

ABDULHADİ BAYKAL

PROFESÖR

| | | |
|----------------|---|---|
| E-Posta Adresi | : | abdulhadibaykal@aydin.edu.tr |
| Telefon (İş) | : | 2124116100- |
| Telefon (Cep) | : | 5353257449 |
| Adres | : | Istanbul Aydin Universitesi Gida Muhendisligi Bol. K.Ckmece-Istanbul E-mail: hadibaykal@aydin.edu.tr |

Öğrenim Bilgisi

| | |
|-------------------------------|--|
| Doktora 1995 Mayıs/1999 | ORTA DOĞU TEKNİK ÜNİVERSİTESİ/FEN-EDEBİYAT FAKÜLTESİ/KİMYA BÖLÜMÜ/KİMYA ANABİLİM DALI/ Tez adı: Synthesis and Characterization of Alkaline Earth and rare Earth Borophosphate Compounds (1999) Tez Danışmanı:(Meral KIZILYALLI) |
| Yüksek Lisans 1991 1994 | ORTA DOĞU TEKNİK ÜNİVERSİTESİ/FEN-EDEBİYAT FAKÜLTESİ/KİMYA BÖLÜMÜ/KİMYA ANABİLİM DALI/ Tez adı: Measurement and Source Determination of Air Pollutants in Uludağ National Park (1993) Tez Danışmanı:(SEMRA TUNCEL) |
| Lisans 1987 1991 | ORTA DOĞU TEKNİK ÜNİVERSİTESİ/EĞİTİM FAKÜLTESİ/MATEMATİK VE FEN BİLİMLERİ EĞİTİMİ BÖLÜMÜ/KİMYA ÖĞRETMENLİĞİ PR. (İNGİLİZCE)/ |

Akademik Görevler

| | |
|-----------------------------------|--|
| PROFESÖR 10.07.2023 | İSTANBUL AYDIN ÜNİVERSİTESİ/MÜHENDİSLİK FAKÜLTESİ/GIDA MÜHENDİSLİĞİ BÖLÜMÜ/GIDA BİLİMLERİ ANABİLİM DALI |
| PROFESÖR 11.04.2017-15.09.2023 | King Fahd University of Petroleum and Minerals/Cancer Research/Nanomedicine |
| PROFESÖR 11.04.2017-09.07.2023 | King Fahd University of Petroleum and Minerals/Institute of Research for Medical Consultation/Nanomedicine |
| PROFESÖR 01.09.2014-15.07.2016 | FATİH ÜNİVERSİTESİ/FEN-EDEBİYAT FAKÜLTESİ/KİMYA BÖLÜMÜ/ANORGANİK KİMYA ANABİLİM DALI |
| DOÇENT 01.09.2009-01.09.2014 | FATİH ÜNİVERSİTESİ/FEN-EDEBİYAT FAKÜLTESİ/KİMYA BÖLÜMÜ/ANORGANİK KİMYA ANABİLİM DALI |
| ARAŞTIRMA GÖREVLİSİ 1991-2009 | ORTA DOĞU TEKNİK ÜNİVERSİTESİ/FEN-EDEBİYAT FAKÜLTESİ/KİMYA BÖLÜMÜ |

Yönetilen Tezler:

Yüksek Lisans

2017

1. YOKUŞ SERHAT, (2017). Sr²⁺ ve Pb²⁺ katkılandırılmış BaFe₁₂O₁₉ hekzaferitlerin manyeto optik özellikleri, İstanbul Üniversitesi->Fen Bilimleri Enstitüsü->Kimya Ana Bilim Dalı (Tamamlandı)

2016

2. AUWAL ISMAIL ALHASSAN, (2016). Synthesis and characterization of Bi³⁺, La³⁺, Y³⁺ and Zn²⁺ substituted M-type hexaferrites, Fatih Üniversitesi->Fen Bilimleri Enstitüsü->Kimya Ana Bilim Dalı (Tamamlandı)

2015

3. MEHMEDI ZULHİCE, (2015). Magnetic and microwave properties of Ba- and Sr- hexaferrites prepared by solid state reaction route with boron addition, Fatih Üniversitesi->Biyonano Teknoloji Enstitüsü->Biyo ve Nano Teknoloji Mühendisliği Ana Bilim Dalı (Tamamlandı)

2014

4. SHAFIU SABIU, (2014). Synthesis and characterization of manganese containing magnetic nanocomposites, Fatih Üniversitesi->Fen Bilimleri Enstitüsü->Kimya Ana Bilim Dalı (Tamamlandı)
5. AHMAD SHAMSU, (2014). Synthesis and characterization of 1-vinyl-1,2,4-triazole functional proton exchange membranes (PEMS) based on interpenetrating polymer networks (IPNS) for use in polymer electrolyte membrane fuel cells (PEMFCs), Fatih Üniversitesi->Fen Bilimleri Enstitüsü->Kimya Ana Bilim Dalı (Tamamlandı)
6. SUMMAK MEHMET METİN, (2014). Manyetik katalizörlerin sentezi ve karakterizasyonu, Fatih Üniversitesi->Fen Bilimleri Enstitüsü->Kimya Ana Bilim Dalı (Tamamlandı)

2013

7. KURTAN ÜMRAN, (2013). Synthesis & characterization of magnetic hydrogels and spinel nanocomposites, Fatih Üniversitesi->Fen Bilimleri Enstitüsü->Kimya Ana Bilim Dalı (Tamamlandı)
8. DEMİRELLİ MUSTAFA, (2013). Synthesis of magnetically recycable catalyst for some organic reactions, Fatih Üniversitesi->Fen Bilimleri Enstitüsü->Kimya Ana Bilim Dalı (Tamamlandı)

2012

9. GÜNAY MERVA, (2012). İyonik sıvı yardımıyla manyetik nanoparçacık sentezi ve karakterizasyonu, Fatih Üniversitesi->Fen Bilimleri Enstitüsü->Anorganik Kimya Ana Bilim Dalı (Tamamlandı)
10. DEMİRCİ ŞULE, (2012). TREG kullanılarak glikotermal yöntemle Mn dop edilmiş CoFe₂O₄ nanokompozitlerin sentez ve karakterizasyonu, Fatih Üniversitesi->Fen Bilimleri Enstitüsü->Kimya Ana Bilim Dalı (Tamamlandı)
11. YENİLMEZ ELİF, (2012). The investigation of reuse of dried activated sludge for adsorption of Cd, Cr and Pb metals, Fatih Üniversitesi->Fen Bilimleri Enstitüsü->Kimya Ana Bilim Dalı (Tamamlandı)
12. KARAOĞLU EBUBEKİR, (2012). Fe₃O₄ nanocomposites, Fatih Üniversitesi->Fen Bilimleri Enstitüsü->Kimya Ana Bilim Dalı (Tamamlandı)

2011

13. TANRIVERDİ ESFET EZGİ, (2011). PAMAM dendrimerle kaplanmış monometalik nanoparçacıklarının sentezi ve karakterizasyonu, Fatih Üniversitesi->Fen Bilimleri Enstitüsü->Kimya Ana Bilim Dalı (Tamamlandı)

2010

14. DEMİR MINE, (2010). Synthesis and characterization of transition metals doped hexaferrites as microwave absorber materials, Fatih Üniversitesi->Fen Bilimleri Enstitüsü->Kimya Ana Bilim Dalı (Tamamlandı)

2009

15. DURMUŞ ZEHRRA, (2009). Synthesis and characterization of coated magnetic spinel nanoparticles, Fatih Üniversitesi->Fen Bilimleri Enstitüsü->Kimya Ana Bilim Dalı (Tamamlandı)

2008

16. SEZGİN ASLIHAN, (2008). Synthesis and characterization of boron-containing polymers and copolymers, Fatih Üniversitesi->Fen Bilimleri Enstitüsü->Kimya Ana Bilim Dalı (Tamamlandı)

17. ÖZKAYA AHMADOV TEVHİDE, (2008). Synthesis and characterization of M₃O₄ (M = Fe, Co, Mn) magnetic nanoparticles, Fatih Üniversitesi->Fen Bilimleri Enstitüsü->Kimya Ana Bilim Dalı (Tamamlandı)

2007

18. KASAPOĞLU NERMİN, (2007). Synthesis, characterization and esr studies of magnetic spinel compounds, Fatih Üniversitesi->Fen Bilimleri Enstitüsü->Kimya Ana Bilim Dalı (Tamamlandı)

19. BİRSÖZ BAHAR, (2007). Synthesis and characterization of metal borophosphate-boroarsenate compounds, Fatih Üniversitesi->Fen Bilimleri Enstitüsü->Kimya Ana Bilim Dalı (Tamamlandı)

2004

20. EVREN AYTEN, (2004). Synthesis and characterization of alkaline earth boroarsenate compounds, Fatih Üniversitesi->Fen Bilimleri Enstitüsü->Kimya Ana Bilim Dalı (Tamamlandı)

Doktora

2015

21. DEMİR KORKMAZ AYŞE, (2015). Functionalized magnetic nanoparticles, Fatih Üniversitesi->Fen Bilimleri Enstitüsü->Kimya Ana Bilim Dalı (Tamamlandı)

22. DEMİR MİNE, (2015). Polyamidoamine (PAMAM) functionalized magnetic nanoparticles for protein separation, Fatih Üniversitesi->Fen Bilimleri Enstitüsü->Kimya Ana Bilim Dalı (Tamamlandı)

2013

23. DURMUŞ ZEHRA, (2013). Synthesis and characterization of hexaferrite nanoparticles and nanocomposites, Fatih Üniversitesi->Fen Bilimleri Enstitüsü->Kimya Ana Bilim Dalı (Tamamlandı)

Projelerde Yaptığı Görevler:

1. Manyetik Kendinden Organize Nanoparçacık Tasarımında Tekil Dağılımlı Manyetik Nanoparçacıkların Üretimi ve Karakterizasyonu, BAP, Yönetici, 2013 (Devam Ediyor) (ULUSAL)
2. Radar soğurucu malzemelerin bor kullanılarak sentezlenmesi ve karakterizasyonu, DİĞER, Araştırmacı, 2013 (Devam Ediyor)
3. Manyetik Kendiliğinden Organize Nano Kon Parçacıklardan İnce Film Üretilmesi, DİĞER, Araştırmacı, 2013 (Devam Ediyor)
4. Nano kompozit Malzemeler ile Elektromanyetik Karanlık Oda Kaplama Tasarımı ve Üretilmesi, DİĞER, Danışman, 2013 (Devam Ediyor)
5. Synthesis and characterization of high catalytic activity magnetic Fe₃O₄ supported Pd nanocatalyst, BAP, Yönetici, 2012-2014 (ULUSAL)
6. Çekirdek kabuk nanoparçacıkların dış yüzeylerinin silanli maddelerle fonksiyonel olarak değiştirilmesi ve biyolojik organizmalarla etkileşimi, BAP, Yönetici, 2011-2013 (ULUSAL)
7. Ağır metal ve organik bileşiklerin adsorpsiyonunda kurutulmuş aktif çamur kil karışımlarının Doğal İnorganik Adsorbantların rolü ve etkilerinin incelenmesi, BAP, Yönetici, 2010-2012 (ULUSAL)
8. Elektron taşıyıcı mediyatör gruplarla zenginleştirilmiş nanoparçacıkların hazırlanması ve amperometrik fenol biyosensörü uygulamalarında kullanımı, BAP, Yönetici, 2011-2012 (ULUSAL)
9. Manyetik İletken Nano Kompozitlerin MİnanoKOMP Üretimi ve Karakterizasyonu, TÜBİTAK PROJESİ, Yönetici, 2010-2011 (ULUSAL)
10. 1B ve 2B Nanoheksaferrit üretimi ve karakterizasyonu, BAP, Yönetici, 2009-2011 (ULUSAL)
11. Lityum İyon Polimer Pillerinde Kullanım Amaçlı Bxx İçerikli Polimer Elektrolitlerin Üretilmesi, TÜBİTAK PROJESİ, Araştırmacı, 2009-2011 (ULUSAL)
12. Fotoporfirin molekülü yüklenmiş Fe₃O₄ mıknatıs magnetit bileşiğinin sentezi ve karakterizasyonu, BAP, Yönetici, 2008-2010 (ULUSAL)
13. Elektro Manyetik Radyasyon Soğurucu Malzeme EMARSOM Geliştirilmesi, DİĞER, Araştırmacı, 2008-2010)
14. BiyoNanoTeknoloji Araştırma Laboratuvarı Altyapı Projesi, DİĞER, Araştırmacı, 2008-2010)
15. Migrodalga Soğurucu ve Kayıt Teknolojisi Uygulamaları için Kullanılan Manyetik Spinel Nano Parçacıkların Sentezi Karakterizasyonu ve Manyetik Özelliklerinin İncelenmesi, BAP, Araştırmacı, 2007-2009 (ULUSAL)
16. Manyetik Spinel Metal Oksitlerin Sentezi Karakterizasyonu ve Manyetik Özelliklerinin İncelenmesi, BAP, Yönetici, 2006-2008 (ULUSAL)
17. Borik Asit Bazlı Proton İletken Polimer Membranların Sentezi ve Karakterizasyonu, TÜBİTAK PROJESİ, Araştırmacı, 2006-2007 (ULUSAL)
18. Aynı yapıda olan M I M II H₂O 2 BAs₂O₈ H₂O M I Na K and NH₄ M II Mn Fe Co Bileşiklerin Sentezi ve Karakterizasyonu, BAP, Yönetici, 2005-2006 (ULUSAL)
19. Ni katılmış CoFe₂O₄ ve Cu katılmış CoFe₂O₄ Bileşiklerinin Sentezi Karakterizasyonu ve Manyetik Çalışması, BAP, Yönetici, 2004-2006 (ULUSAL)
20. Toprak Alkali Boroarsenat Bileşiklerinin Sentezi ve Karakterizasyonu, BAP, Yönetici, 2003-2005 (ULUSAL)
21. Uludağ Milli Parkında Kirletici Gaz Konsantrasyonu Ölçümü ve Kaynaklarının Belirlenmesi, TÜBİTAK PROJESİ, Araştırmacı, 1990-1992 (ULUSAL)

İdari Görevler

| | |
|---|---|
| Bölüm Başkanı 2014 | FATİH ÜNİVERSİTESİ/FEN-EDEBİYAT FAKÜLTESİ/KİMYA BÖLÜMÜ |
| Komasyon Üyeliği 2011 | FATİH ÜNİVERSİTESİ/FEN-EDEBİYAT FAKÜLTESİ |
| Bölüm Başkanı 2011-2014 | FATİH ÜNİVERSİTESİ/FEN-EDEBİYAT FAKÜLTESİ/KİMYA BÖLÜMÜ |
| Enstitü Yönetim Kurulu üyeliği 2010-2014 | FATİH ÜNİVERSİTESİ/FEN BİLİMLERİ ENSTİTÜSÜ |
| Komasyon Üyeliği 2010-2014 | FATİH ÜNİVERSİTESİ/BİYONANOTEKNOLOJİ ENSTİTÜSÜ/BİYO VE NANO TEKNOLOJİSİ MÜHENDİSLİĞİ (YL) |
| Yönetim Kurulu Üyeliği 2008-2014 | FATİH ÜNİVERSİTESİ/BİYONANOTEKNOLOJİ ENSTİTÜSÜ |
| Fakülte Yönetim Kurulu Üyeliği 2009-2013 | FATİH ÜNİVERSİTESİ/EĞİTİM FAKÜLTESİ |
| Yönetim Kurulu Üyeliği 2009-2013 | FATİH ÜNİVERSİTESİ/EĞİTİM FAKÜLTESİ |
| Anabilim Dalı Başkanı 2011-2011 | null/null |

Ödüller

1. Makale Teşvik, FATİH ÜNİVERSİTESİ, 2013
2. Makale Teşvik, FATİH ÜNİVERSİTESİ, 2012
3. Makale Teşvik, FATİH ÜNİVERSİTESİ, 2011
4. Makale Teşvik, FATİH ÜNİVERSİTESİ, 2010
5. Makale Teşvik, FATİH ÜNİVERSİTESİ, 2009
6. Dr.Münir Birsal Doktora Bursu, TÜBİTAK, 1999

Eserler

Uluslararası hakemli dergilerde yayımlanan makaleler:

1. Slimani Yasin, Almessiere M.A., Klygach d.s., BAYKAL ABDULHADİ, Zubar T.I., Trukhanov Sergei V., ÇALIŞKAN SERKAN, Trukhanov Alex V., amir Md (2024). Structural, magnetic, and microwave features of Sc³⁺ ions substituted Sr_{0.5}Ba_{0.5}Fe₁₂O₁₉ nanohexaferrites . Journal of Alloys and Compounds, 976(1), 173138, Doi: 10.1016/j.jallcom.2023.173138 (Yayın No: 8939147)
2. Slimani Yasin, Almessiere M.A., BAYKAL ABDULHADİ, DEMİR KORKMAZ AYŞE, Auwal İ.A. (2024). Impression of partial replacement of Fe³⁺ by Sn⁴⁺ ion on structural and magnetic features of NiCuZn nanospinel ferrites. Applied Nanoscience, 14(1), 241-249., Doi: 10.1007/s13204-023-02974-4 (Yayın No: 8937852)
3. Hannachi Essia, Sayyed Mahnoor Imran, Slimani Yasin, Almessiere M.A., BAYKAL ABDULHADİ, Elsafi Mohamed (2023). Elsafi, Experimental study on the radiation protecting ability of composites containing barium titanate and nanospinel ferrite. Radiation Physics and Chemistry, 212, 111126, Doi: 10.1016/j.radphyschem.2023.111126 (Yayın No: 8489602)
4. amir Md, BAYKAL ABDULHADİ (2023). Development of Highly Active, Chemically Stable and Recyclable Magnetic Nanophotocatalyst Based on Plasmonic Silver Nanoparticles and Photosensitive T3TTIA Molecules. Applied Organometallic Chemistry, 35(6), Doi: 10.1002/aoc.6229 (Yayın No: 8486406)

Uluslararası hakemli dergilerde yayımlanan makaleler:

- amir Md, BAYKAL ABDULHADİ (2023). Development of Highly Active, Chemically Stable and Recyclable Magnetic Nanophotocatalyst Based on Plasmonic Silver Nanoparticles and Photosensitive T3TTIA Molecules. *Applied Organometallic Chemistry*, 35(6), Doi: 10.1002/aoc.6229 (Yayın No: 8486406)
5. Slimani Yasin, meena sher singh, Shirsath S.E., E. Hannachi E. Hannachi, Almessiere M.A., BAYKAL ABDULHADİ, rigakumar rengasamy, Batoo Khalid M., thakur atul, ERCAN İSMAİL, ÖZÇELİK BEKİR (2023). Impact of magnetic spinel ferrite content on the structure, morphology, optical, and magneto-dielectric properties of BaTiO₃ materials. *Zeitschrift für Physikalische Chemie*, 237(11), 1753, Doi: 10.1515/zpch-2023-0215 (Yayın No: 8637415)
 6. rehman suriya, Jermy Rabindran, Retaher Irfan A., Sabir JSM, aljameel s.s., Almessiere M.A., Slimani Yasin, Khan Firdos Alam, BAYKAL ABDULHADİ (2023). Pr³⁺ Ion-Substituted Ni-Co Nano-Spinel Ferrites: Their Synthesis, Characterization, and Biocompatibility for Colorectal Cancer and Candidaemia. *Pharmaceuticals*, 16(1), 1494, Doi: 10.3390/ph16101494 (Yayın No: 8634319)
 7. ÇALIŞKAN SERKAN, Almessiere M.A., BAYKAL ABDULHADİ, GÜNGÜNEŞ HAKAN, Slimani Yasin, Hassan Muhammad, Klygach Denis Sergeevich, Kostishin Vladimir Grigorievich, Trukhanov Sergei V., Trukhanov Alex V., Gondal Mohammed Ashraf (2023). Impact of vanadium substitution on structural, magnetic, microwave absorption features and hyperfine interactions of SrCo hexaferrites. *Journal of Alloys and Compounds*, 960, 170578, Doi: 10.1016/j.jallcom.2023.170578 (Yayın No: 8489594)
 8. E. Hannachi E. Hannachi, M. I. Sayyed M. I. Sayyed, Slimani Yasin, Almessiere M.A., BAYKAL ABDULHADİ, M. Elsaf M. Elsaf (2023). Radiation attenuation attributes of Pb-free titanate-based perovskite modified with M-type hexagonal ferrite addition. *Applied Physics A*, 129(10), 711, Doi: 10.1007/s00339-023-06984-5 (Yayın No: 8483018)
 9. ÇALIŞKAN SERKAN, Almessiere M.A., BAYKAL ABDULHADİ, Slimani Yasin, GÜNGÜNEŞ HAKAN, Korkmaz Ayse Demir, Aul-Hamid A, Auwal İ.A. (2023). Magnetic properties of Sr_{0.5}Ba_{0.5}HoxFe_{12-x}O₁₉ (x ≤ 0.10) nanohexaferrites. *Applied Physics A Materials Science & Processing*, 129(9), 616, Doi: 10.1007/s00339-023-06881-x (Yayın No: 8423994)
 10. BAYKAL ABDULHADİ, Almessiere M.A., Slimani Yasin, Korkmaz Ayse Demir, Auwal İ.A., güngüneş hakan (2023). Structural, magnetic properties, and hyperfine interactions of Ni_{0.8}Cu_{0.1}Zn_{0.1}MoxFe_{2-2x}O₄ (0.0 ≤ x ≤ 0.1) nanospinel ferrites. *APPLIED PHYSICS A-MATERIALS SCIENCE & PROCESSING*, 129, 582, Doi: 10.1007/s00339-023-06867-9 (Yayın No: 8489626)
 11. Slimani Y, Almessiere M.A., BAYKAL ABDULHADİ, Jermy R, Auwal İ.A., Shirsath S.E. (2023). Ce substituted NiCo₂O₄ microspheres and nanoflakes: Comparison on magnetic features. *Nano-structures & Nano-objects*, 35, Doi: 10.1016/j.nanoso.2023.101000 (Yayın No: 8398144)
 12. Slimani Yasin, Almessiere M.A., Shirsath S.E., Hannachi Essia, BAYKAL ABDULHADİ, Alwadai Norah, Alshatwi Manar S., Almutairi Fahad N., Shariq Mohammad, Batoo Khalid Mujasam, Thakur Atul, Thakur Preeti, ERCAN İSMAİL (2023). Impact of CoFe_{1.98}Nb_{0.02}O₄ phase on the structural, morphological, and dielectric properties of barium titanate material. *Inorganic Chemistry Communications*, 153, 110753, Doi: 10.1016/j.inoche.2023.110753 (Yayın No: 8489590)
 13. Alqarni Ameerah N., ÇEVİK EMRE, Almessiere Munirah Abdullah, BAYKAL ABDULHADİ, Gondal Mohammed Ashraf, Hassan Muhammad, BOZKURT AYHAN, Iqbal Arfa, Asiri Sarah, Slimani Yasin (2023). Fabrication of Bismuth-doped Co-Ni spinel ferrite electrodes for enhanced cyclic performance in asymmetric supercapacitors. *JOURNAL OF PHYSICS AND CHEMISTRY OF SOLIDS*, 177, 111288, Doi: 10.1016/j.jpics.2023.111288 (Yayın No: 8489504)
 14. ÜNAL BAYRAM, Almessiere M.A., Slimani Yasin, Jermy Rabindran, BAYKAL ABDULHADİ (2023). The role of Mo⁶⁺ ion substitution on the electrical and dielectric features of SrNi-hexaferrites. *Journal of Materials Science: Materials in Electronics*, 34(17), 1386, Doi: 10.1007/s10854-023-10744-9 (Yayın No: 8489581)
 15. TOMBULOĞLU HÜSEYİN, Alsaeed Moneerah, Slimani Yasin, DEMİR KORKMAZ AYŞE, TOMBULOĞLU GÜZİN, SÖZERİ HÜSEYİN, Almessiere M.A., BAYKAL ABDULHADİ, Kayed Tarek Said, ERCAN İSMAİL (2023). Formulation of Manganese Zinc Spinel Ferrite (Mn_{0.5}Zn_{0.5}Fe₂O₄) Nanoparticles for the Growth Promotion of Plants. *JOURNAL OF SOIL SCIENCE AND PLANT NUTRITION*, 23, 3561, Doi: 10.1007/s42729-023-01271-x (Yayın No: 8489548)
 16. Mohamed Mohamed Jaffer Sadiq, ÇALIŞKAN SERKAN, Gondal Mohammed Ashraf, Almessiere M.A., BAYKAL ABDULHADİ, Slimani Yasin, Kayed Tarek Said, Hassan Muhammad, Auwal İ.A., Khan Abdul Zeeshan, Tahir Asif Ali, Roy Anurag (2023). Se-Doped Magnetic Co-Ni Spinel Ferrite Nanoparticles as Electrochemical Catalysts for Hydrogen Evolution. *ACS Applied Nano Materials*, 6(9), 7330-7341., Doi: 10.1021/acsanm.3c00464 (Yayın No: 8489537)
 17. Slimani Yassine Abdelhamid, Almessiere Munirah Abdullah, Mohamed Mohamed Jaffer Sadiq, E. Hannachi E. Hannachi, ÇALIŞKAN SERKAN, BAYKAL ABDULHADİ, Akhtar Sultan Zafar, Gondal Mohammed Ashraf (2023). Synthesis of Ce and Sm Co-Doped TiO₂ Nanoparticles with Enhanced Photocatalytic Activity for Rhodamine B Dye Degradation. *Catalysts*, 13, 668, Doi: 10.3390/catal13040668 (Yayın No: 8489520)

Uluslararası hakemli dergilerde yayımlanan makaleler:

18. Hannachi Essia, Slimani Yassine Abdelhamid, Almessiere Munirah Abdullah, Alotaibi Salem A., Omelchenko (Bludova) Liudmyla, Petrenko Eugene V., Kurbanov U.T., Ben Azzouz Faten, Solovjov Andrei L., BAYKAL ABDULHADİ (2023). YBCO polycrystal co-added with BaTiO₃ and WO₃ nanoparticles: Fluctuation induced conductivity and pseudogap studies. CURRENT APPLIED PHYSICS, 48, 70-78., Doi: 10.1016/j.cap.2023.01.008 (Yayın No: 8489479)
19. Alsaed Moneerah, Slimani Yassine Abdelhamid, Algarou Norah A., Vakhitov Maksim, DEMİR KORKMAZ AYŞE, BAYKAL ABDULHADİ, Klygach Denis Sergeevich, Tatsiana I Zubar, Aul-Hamid A, Trukhanov Sergei V., Trukhanov Alex V. (2023). Impact of the indium content on structural, magnetic, and electrodynamic properties of nanocomposites based on In-substituted Sr hexaferrite and Ni-Zn spinel ferrite with excellent absorption characteristics. CERAMICS INTERNATIONAL, 49(8), 12885, Doi: 10.1016/j.ceramint.2022.12.160 (Yayın No: 8489393)
20. BAYKAL ABDULHADİ, ÜNAL BAYRAM, Almessiere M.A., Korkmaz Ayse Demir, Slimani Yasin, Aul-Hamid A, Auwal İ.A. (2023). Electrical and dielectric properties of Ni_{0.5}Co_{0.5}GaxFe_{1.8-x}O₄ (x ≤ 1.0) spinel ferrite microspheres. journal of rare earths, 41, 259, Doi: 10.1016/j.jre.2022.01.021 (Yayın No: 8488649)
21. Almessiere Munirah Abdullah, Slimani Yassine Abdelhamid, DEMİR KORKMAZ AYŞE, BAYKAL ABDULHADİ, Vakhitov Maksim, Klygach Denis Sergeevich, Trukhanov Sergei V., Trukhanov Alex V. (2023). Influence of phase ratio on structural, magnetic, and microwave characteristics of hard/soft SrEr_{0.01}Cr_{0.01}Fe_{11.98}O₁₉/NiFe₂O₄ magnetic nanocomposites. APPLIED PHYSICS A-MATERIALS SCIENCE & PROCESSING, 120, 187, Doi: 10.1007/s00339-023-06477-5 (Yayın No: 8489495)
22. ÜNAL BAYRAM, Almessiere Munirah Abdullah, BAYKAL ABDULHADİ, Slimani Yassine Abdelhamid, Sadaqat Ali, Aul-Hamid A (2023). A study on the electrical and dielectric traits of ternary NiCuZn-spinel ferrites co-substituted with Ga³⁺-Gd³⁺ ions. Materials Science and Engineering B-Advanced Functional Solid-State Materials, 289, 116429, Doi: 10.1016/j.mseb.2022.116429 (Yayın No: 8489402)
23. ÇALIŞKAN SERKAN, Almessiere Munirah Abdullah, BAYKAL ABDULHADİ, DEMİR KORKMAZ AYŞE, GÜNGÜNEŞ HAKAN, Alsalem Zainab Hassan, Slimani Yassine Abdelhamid, GÖKÇE POLAT EMİNE (2023). Effects of Pr³⁺ ion doping on magnetic features of Ni-Co nanospinel ferrites synthesized via sonochemical approach. JOURNAL OF MAGNETISM AND MAGNETIC MATERIALS, 570, 170492, Doi: 10.1016/j.jmmm.2023.170492 (Yayın No: 8489489)
24. Mohamed Mohamed Jaffer Sadiq, Slimani Yassine Abdelhamid, Gondal Mohammed Ashraf, Almessiere Munirah Abdullah, BAYKAL ABDULHADİ, Hassan Muhammad, Khan Abdul Zeeshan, Roy Anurag (2023). Role of vanadium ions substitution on spinel MnCo₂O₄ towards enhanced electrocatalytic activity for hydrogen generation. SCIENTIFIC REPORTS, 13(1), 2120, Doi: 10.1038/s41598-023-29081-2 (Yayın No: 8489468)
25. Akhtar Sultan Zafar, Slimani Yassine Abdelhamid, Almessiere M.A., BAYKAL ABDULHADİ, GÖKÇE POLAT EMİNE, ÇALIŞKAN SERKAN (2023). S. Akhtar, Y. Slimani, M.A. Almessiere, A. Baykal, E. Gokce Polat, S. Caliskan, The influence of Tm and Tb cosubstitution on structural and magnetic features of CoFe₂O₄ nanospinel ferrites, 33 (2023) 100944.. Nano-Structures & Nano-Objects, 33, 100944, Doi: 10.1016/j.nanoso.2023.100944 (Yayın No: 8489459)
26. Slimani Yasin, Almessiere M.A., BAYKAL ABDULHADİ, Jermy Rabindran, Auwal İ.A., Shirsath S.E. (2023). Ce substituted NiCo₂O₄ microspheres and nanoflakes: Comparison on magnetic features. Nano-Structures & Nano-Objects, 35, 101000, Doi: 10.1016/j.nanoso.2023.101000 (Yayın No: 8489610)
27. Almessiere M.A., sözeri hüseyin, Slimani Yasin, BAYKAL ABDULHADİ (2023). Tb³⁺ ion substituted Sr-hexaferrites as high quality microwave absorbers. Journal of magnetism and magnetic materials, Doi: 10.1016/j.jmmm.2019.165595 (Yayın No: 8483078)
28. BAYKAL ABDULHADİ, Almessiere M.A., Slimani Yasin (2023). M. Sertkol, Y. Slimani, M.A. Almessiere, A. Baykal, S. Akhtar, E.G. Polat, S. Caliskan, Magnetic and optical characterizations of Dy-Eu co-substituted Mn_{0.5}Zn_{0.5}Fe₂O₄ (x ≤ 0.1) nanospinel ferrites. Journal of Molecular Structure, 1227, 134891, Doi: 10.1016/j.molstruc.2022.134891 (Yayın No: 8489412)
29. Almohazey Dana, Ravinayagam Vijaya, Alamoudi Widyan, Akhtar Sultan Zafar, Mohamed Hatim Dafalla, AlSuwaidan Hind Nasser, Almutairi Shorouq. T., Alghamdi Hajer Saleh, Aldamen Sukaina Ahmed, Almessiere Munirah Abdullah, BAYKAL ABDULHADİ, Maarouf Ahmed A., Jermy Rabindran (2023). Insights of Platinum Drug Interaction with Spinel Magnetic Nanocomposites for Targeted Anti-Cancer Effect. Cancers, 15(3), 695, Doi: 10.3390/cancers15030695 (Yayın No: 8489449)
30. BAYKAL ABDULHADİ, Almessiere M.A., Slimani Yasin, Korkmaz Ayse Demir, güngüneş hakan, Shirsath S.E., Manikandan A (2023). Y. Slimani, M.A. Almessiere, A. Demir Korkmaz, A. Baykal, M.A. Gondal, H. Güngüneş, Sagar E. Shirsath, A. Manikandan, Investigation of the structural, morphological, and magnetic properties of (Ni_{0.5}Co_{0.5})[GaxGdxFe_{2-2x}]O₄ nanoparticles prepared via sonochemical approach, J. Rare Earth, <https://doi.org/10.1016/j.jre.2022.04.028>.. J. Rare Earth,, 41(4), 561, Doi: 10.1016/j.jre.2022.04.028 (Yayın No: 8488802)
31. Ansari Mohammad Azam, Govindasamy Rajakumar, Begum M. Yasmin, Ghazwani Mohammed, Alqahtani Ali, Alomary Mohammad N., Jamous Yahya F., Alyahya Sami A., Asiri Sarah, Khan Firdos

Uluslararası hakemli dergilerde yayımlanan makaleler:

- Alam, Almessiere M.A., BAYKAL ABDULHADİ (2023). Bioinspired ferromagnetic CoFe₂O₄ nanoparticles: Potential pharmaceutical and medical applications. *Nanotechnology Reviews*, 12, 20230575, Doi: 10.1515/ntrev-2023-0575 (Yayın No: 8489742)
32. BAYKAL ABDULHADİ, Almessiere M.A., Slimani Yasin, E. Hannachi E. Hannachi, M. I. Sayyed M. I. Sayyed (2023). Structure and radiation shielding characteristics of BTO/MnZnFeO ceramic composites, . *JOURNAL OF PHYSICS AND CHEMISTRY OF SOLIDS*, 174, 111131, Doi: 10.1016/j.jpccs.2022.111132 (Yayın No: 8489140)
33. BAYKAL ABDULHADİ, Almessiere M.A., Slimani Yasin, E. Hannachi E. Hannachi, nawaz muhammed (2023). Essia Hannachi, Yassine Slimani, Muhammad Nawaz, R. Sivakumar, Zayneb Trabelsi, R. Vignesh, Sultan Akhtar, Munirah A. Almessiere, Abdulhadi Baykal, Ghulam Yasin, Preparation of Ce and Y doped ZnO nanoparticles and tracking their structural, optical, and photocatalytic performances, *J. Rare Earths* DOI: <https://doi.org/10.1016/j.jre.2022.03.020>. *J. Rare Earths*, 41(5), 682, Doi: 10.1016/j.jre.2022.03.020 (Yayın No: 8488767)
34. BAYKAL ABDULHADİ, Almessiere M.A., GÜNER SADIK, Slimani Yasin (2023). N.A. Algarou, Y. Slimani, A. Baykal, S. Guner, A. Manikandan, Enhancement on the exchange coupling behavior of SrCo_{0.02}Zr_{0.02}Fe_{11.96}O₁₉/MFe₂O₄ (M=Co, Ni, Cu, Mn and Zn) as hard/soft magnetic nanocomposites, *J. Magn. Mater.* 499 (2020) 166308. *JMMM*, Doi: 10.1016/j.jmmm.2019.166308 (Yayın No: 8483431)
35. BAYKAL ABDULHADİ, ÜNAL BAYRAM, Almessiere M.A., Slimani Yasin (2023). Electrical and optical properties of Ni_{0.5}Co_{0.5-x}Cd_xNd_{0.02}Fe_{1.78}O₄ (x ≤ 0.25) spinel ferrite nanofibers,. *ceram.int.*, Doi: 10.1016/j.ceramint.2020.06.249 (Yayın No: 8483769)
36. ÜNAL BAYRAM, BAYKAL ABDULHADİ, Almessiere M.A., Slimani Yasin, Auwal İ.A. (2023). The role of Pr³⁺, Pr³⁺-Y³⁺ and Pr³⁺-Y³⁺-Dy³⁺ ions substitutions on the electrical and dielectric properties of NiCo nanospinel ferrites. *Journal of Alloys and Compounds*, 944, 169096, Doi: 10.1016/j.jallcom.2023.169096 (Yayın No: 8489462)
37. ÇALIŞKAN SERKAN, Almessiere M.A., BAYKAL ABDULHADİ, Slimani Yasin (2023). A first principles study on electronic structure, magnetic and optical characteristics of Se doped CoNiFe₂O₄ spinel ferrites. *Computational Materials Science*, 226, 112243 (Yayın No: 8489568)
38. ÇALIŞKAN SERKAN, BAYKAL ABDULHADİ, Slimani Yasin, GÜNGÜNEŞ HAKAN, DEMİR KORKMAZ AYŞE, Ul-Hamid Anwar, Auwal İ.A. (2023). Magnetic Properties of Sr_{0.5}Ba_{0.5}HoxFe_{12-x}O₁₉ (x ≤ 0.10) nanohexaferrites. *APPLIED PHYSICS A-MATERIALS SCIENCE & PROCESSING*, 129, 582, Doi: 10.1007/s00339-023-06881-x (Yayın No: 8489640)
39. BAYKAL ABDULHADİ, Almessiere M.A., Slimani Yasin (2023). M.A. Almessiere, H. Erdemi, A. Sadaqat, Y. Slimani, A. Baykal, M.A. Gondal, Electrical and dielectric properties of hard/soft CoFe₂O₄/Ni_{0.3}CuxZnyFe₂O₄ (x, y ≤ 0.5) spinel ferrite nanofibers, *Journal of Materials Science: Materials in Electronics*, 23.11.2022. *JOURNAL OF MATERIALS SCIENCE-MATERIALS IN ELECTRONICS*, 34, 213, Doi: 10.1007/s10854-022-09589-5 (Yayın No: 8489150)
40. BAYKAL ABDULHADİ, Almessiere M.A., Slimani Yasin (2023). A.V. Trukhanov, M.A. Almessiere, A. Baykal, Y. Slimani, E.I. Trukhanov, A.V. Timofeev, V.G. Kostishin, S.V. Trukhanov, M. Sertkol, Ul-Hamid, Correlation between the composition, structural parameters and magnetic properties of spinel-based functional nanocomposites, *Nano-Structures & Nano-Objects*, 33 (2023) 100941. *Nano-Structures & Nano-Objects*, 33, 100941, Doi: 10.1016/j.nanoso.2023.100941 (Yayın No: 8489421)
41. BAYKAL ABDULHADİ, GÜNER SADIK, Almessiere M.A., Slimani Yasin, Korkmaz Ayse Demir (2023). M.A. Almessiere, S. Güner, Y. Slimani, A. Demir Korkmaz, A. Baykal, Effect of Mo substitution on structure-morphology, and magnetic features of Sr_{0.8}Ni_{0.2}Fe_{12-2x}MoxO₁₉ (x ≤ 0.35) hexaferrites, *Chemical papers* 29.09.2022. *CHEMICAL PAPERS*, 77, 947, Doi: 10.1007/s11696-022-02527-z (Yayın No: 8489116)
42. BAYKAL ABDULHADİ, Almessiere M.A., Slimani Yasin, güngüneş hakan (2023). Impact of Sc³⁺/In³⁺ ions co-substitution on structural, magnetic, and microwave features of SrFe₁₂O₁₉ hexaferrites. *Journal of Alloys and Compounds*, 968(15), 172197, Doi: 10.1016/j.jallcom.2023.172197 (Yayın No: 8488489)
43. Trukhanov Alex V., Almessiere Munirah Abdullah, BAYKAL ABDULHADİ, Slimani Yassine Abdelhamid, Trukhanova Ekaterina L., Tishkevich Daria I. I., Podgornaya Svetlana V. V., Kaniukov Egor, Trukhanov Sergei V. (2022). Microstructure and high frequency electromagnetic parameters of the soft/soft (CoFe₂O₄)_x:Ni_{0.4}Cu_{0.2}Zn_{0.4}Fe₂O₄)_y nanocomposites. *RSC Advances*, 12(52), 34020, Doi: 10.1039/D2RA06711K (Yayın No: 8489384)
44. BAYKAL ABDULHADİ, Almessiere M.A., GÜNER SADIK, Slimani Yasin, Shirsath S.E. (2022). M.A. Almessiere, S. Güner, Y. Slimani, A. Baykal, Sagar E. Shirsath, A. Demir Korkmaz, R. Badar, A. Manikanadan, Investigation on the structural, optical, and magnetic features of Dy³⁺ and Y³⁺ co-doped Mn_{0.5}Zn_{0.5}Fe₂O₄ nanospinel ferrite nanoparticles.. *J. Mol. Struct.*, 1248, 131412, Doi: 10.1016/j.molstruc.2021.131412 (Yayın No: 8486908)

Uluslararası hakemli dergilerde yayımlanan makaleler:

45. BAYKAL ABDULHADİ, Almessiere M.A., Slimani Yasin, Khan Firdos Alam (2022). M.A. Almessiere, Y. Slimani, S. Rehman, Firdos A. Khan, M. Sertkol, A. Baykal, Green synthesis of Nd substituted Co-Ni nanospinel ferrites: structural, magnetic and antibacterial/anticancer investigation, *J. Phys. D: Appl. Phys.* 55 (2022). *J. Phys. D: Appl. Phys.*, 55, 55002, Doi: 10.1088/1361-6463/ac2fd8 (Yayın No: 8487108)
46. BAYKAL ABDULHADİ, Khan Firdos Alam, Auwal İ.A. (2022). Green synthesis, characterization and anti-cancer capability of $\text{Co}_0.5\text{Ni}_0.5\text{Nd}_0.02\text{Fe}_{1.98}\text{O}_4$ nanocomposites. *Arabian J. Chem.*, 15, 103564, Doi: 10.1016/j.arabjc.2021.103564 (Yayın No: 8487135)
47. BAYKAL ABDULHADİ, GÜNER SADIK, Almessiere M.A., Shirsath S.E. (2022). Structural and magnetic properties of hydrothermally synthesized Bi-substituted Ni-Co nanosized spinel ferrites. *Ceram. Int.*, 48, 5450, Doi: 10.1016/j.ceramint.2021.11.089 (Yayın No: 8487125)
48. Almessiere M.A., Slimani Yasin, BAYKAL ABDULHADİ, TOMBULOĞLU HÜSEYİN (2022). Fate and impact of maghemite ($\gamma\text{-Fe}_2\text{O}_3$) and magnetite (Fe_3O_4) nanoparticles in barley (*Hordeum vulgare* L.). *Environmental Science and Pollution Research*, 29, 4710, Doi: 10.1007/s11356-021-15965-1 (Yayın No: 8486831)
49. BAYKAL ABDULHADİ, Almessiere M.A., Slimani Yasin, nawaz muhammed, Shirsath S.E., Khan Firdos Alam (2022). Tahani M. Alfareed, Yassine Slimani, Munirah A. Almessiere, Sagar E. Shirsath, M. Hassan, Muhammad Nawaz, Firdos A. Khan, Ebtessam A.Al-Suhaimi, Abdulhadi Baykal, Structure, magnetoelectric, and anticancer activities of core-shell $\text{Co}_0.8\text{Mn}_0.2\text{R}_0.02\text{Fe}_{1.98}\text{O}_4@ \text{BaTiO}_3$ nanocomposites (R = Ce, Eu, Tb, Tm, or Gd) *Ceramics International*, 31.01.2022. <https://doi.org/10.1016/j.ceramint.2022.01.358> . *ceramics international*, 48(10), 14640, Doi: 10.1016/j.ceramint.2022.01.358 (Yayın No: 8488685)
50. BAYKAL ABDULHADİ, Slimani Yasin, Almessiere M.A. (2022). Impact of In^{3+} cations on structure and electromagnetic state of M-type hexaferrites. *Journal of Energy Chemistry*, 69, 667, Doi: 10.1016/j.jechem.2021.12.027 (Yayın No: 8488624)
51. BAYKAL ABDULHADİ, Almessiere M.A., Slimani Yasin, Shirsath S.E., sözeri hüseyin, Manikandan A (2022). M. Sertkol, Y. Slimani, M.A. Almessiere, H. Sozeri, R. Jermy, A. Manikandan, S.E. Shirsath, A. Ul-Hamid, A. Baykal, Sonochemical synthesis of $\text{Mn}_0.5\text{Zn}_0.5\text{Er}_x\text{Dy}_{2-x}\text{O}_4$ ($x \leq 0.1$) spinel nanoferrites: Magnetic and textural investigation, *J. Mol. Struct.* 1258 (2022) 132680.. *J. Mol. Struct.*, 1258, 132680, Doi: 10.1016/j.molstruc.2022.132680 (Yayın No: 8488724)
52. BAYKAL ABDULHADİ, ÜNAL BAYRAM, Almessiere M.A., Slimani Yasin, Manikandan A (2022). B. Unal, M.A. Almessiere, A.V. Trukhanov, A. Baykal, Y. Slimani, M.V. Silibin, A. Manikandan, A study on the conductivity, dielectric, and microwave properties of $(\text{SrNb}_x\text{Y}_x\text{Fe}_{12-2x}\text{O}_{19})$ ($0.00 \leq x \leq 0.05$) nanohexaferrites, *Journal of Materials Research and Technology* 17 (2022) 2975-2986. *Journal of Materials Research and Technology*, 17, 2975 (Yayın No: 8488706)
53. Almessiere M.A., Slimani Yasin (2022). M.H.A. Mhareb, Essia Hannachi, Yassine Slimani, M.I. Sayyed, Nidal Dwaikat, M. Kh Hamad, Y.S. Alajerami, M.A. Almessiere, A. Baykal, Radiation shielding and structural features for different perovskites doped $\text{YBa}_2\text{Cu}_3\text{O}_y$ composites, <https://doi.org/10.1016/j.ceramint.2022.03.162>.. *ceramics international*, 43(13), 18855, Doi: 10.1016/j.ceramint.2022.03.162 (Yayın No: 8488740)
54. BAYKAL ABDULHADİ, Slimani Yasin, Almessiere M.A., Korkmaz Ayse Demir (2022). Dielectric and textual features of $\text{Co}_0.5\text{Ni}_0.5\text{Pr}_x\text{Fe}_{1.8-x}\text{O}_4$ ($x \leq 0.1$) nanofibers,. *MATERIALS CHEMISTRY AND PHYSICS*, 292, 126810, Doi: 10.1016/j.matchemphys.2022.126810 (Yayın No: 8489109)
55. BAYKAL ABDULHADİ, Slimani Yasin, GÜNER SADIK, Almessiere M.A., Auwal İ.A. (2022). Y. Slimani, M.A Almessiere, S. Guner, A. Baykal, M. Sertkol, F.S. Alahmari, E.M Alsulami, İ.A Auwal, An investigation on structural, optical and magnetic properties of hard-soft $\text{SrFe}_{12}\text{O}_{19}/(\text{CoEu}_0.02\text{Fe}_{1.98}\text{O}_4)_x$ nanofiber composites, *J. Alloys Compd.* 905 (2022) 164240. *J. Alloys Compd.*, 905, 164240, Doi: 10.1016/j.jallcom.2022.164240 (Yayın No: 8488780)
56. BAYKAL ABDULHADİ, Almessiere M.A., Slimani Yasin, Korkmaz Ayse Demir, güngüneş hakan (2022). Y. Slimani, M.A. Almessiere, A. Demir Korkmaz, A. Baykal, H. Gungunes, M.G. Vakhitov, D.S. Klygach, S.V. Trukhanov, A.V. Trukhanov, The impact of Indium ion on structural, magnetic and electrodynamic traits of Co-Ni nanospinel ferrites, *J. Magn. Magn. Mater.* 562 (2022) 169782. *Journal of Magnetism and Magnetic Materials*, 565, 169782, Doi: 10.1016/j.jmmm.2022.169782 (Yayın No: 8489084)
57. BAYKAL ABDULHADİ, Slimani Yasin, Almessiere M.A., Asiri Sarah (2022). T.I. Ajeesha, A. Manikandan, A. Ashwini, S.Jansi, M. Durka, M.A. Almessiere, Y. Slimani, A. Baykal, A.M. Asiri, H.A. Kasmery, A. Khan, A.A.P. Khan, P. Madhu, M. George, Structural investigation of Cu doped calcium ferrite ($\text{Ca}_{1-x}\text{Cu}_x\text{Fe}_2\text{O}_4$; $x = 0, 0.2, 0.4, 0.6, 0.8, 1$) nanomaterials prepared by co-precipitation method, *J. Mater. Res. Technol.* 18 (2022) 705-719. *J. Mater. Res. Technol.*, 18, 705, Doi: 10.1016/j.jmrt.2022.02.081 (Yayın No: 8488713)
58. BAYKAL ABDULHADİ, Almessiere M.A., Slimani Yasin (2022). Ameerah N. Alqarni, E. Cevik, H. Khan, M.A. Gondal, M.A. Almessiere, A. Baykal, H. Gungunes, A. Bozkurt, Y. Slimani, A. Iqbal, Sara M. Asiri, Synthesis and design of vanadium intercalated spinal ferrite ($\text{Co}_0.5\text{Ni}_0.5\text{V}_x\text{Fe}_{1.6-x}\text{O}_4$) electrodes for high current supercapacitor applications, *Journal of Energy Storage* 51 (2022) 104357.. *Journal of Energy Storage*, 51, 104357, Doi: 10.1016/j.est.2022.104357 (Yayın No:

Uluslararası hakemli dergilerde yayımlanan makaleler:

8488734)

59. BAYKAL ABDULHADİ, GÜNER SADIK, Slimani Yasin, Almessiere M.A., Shirsath S.E. (2022). Impact of Sm³⁺ and Er³⁺ Cations on the Structural, Optical, and Magnetic Traits of Spinel Cobalt Ferrite Nanoparticles: Comparison Investigation. *ACS Omega*, 7, 6292, Doi: 10.1021/acsomega.1c06898 (Yayın No: 8488660)
60. BAYKAL ABDULHADİ, GÜNER SADIK, Almessiere M.A. (2022). W. Anukool, R.A. El Nabulsi, S. Dabagh, M. Almessiere, M.G.B. Ashiq, S. Guner, A. Baykal, Effects of aluminum doping on the microstructure and magnetic properties of cobalt ferrites prepared by the co-precipitation precursor, *Applied Physics A* 128 (2022) 713 . *applied physics a*, 128, 713, Doi: 10.1007/s00339-022-05831-3 (Yayın No: 8488903)
61. BAYKAL ABDULHADİ, Slimani Yasin, Almessiere M.A., E. Hannachi E. Hannachi (2022). Y. Slimani, R. Sivakumar, S. S. Meena, R. Vignesh, G. Yasin, E. Hannachi, M.A. Almessiere, Z. Trabelsi, K.M. Batoo, A. Baykal, N. Sfina, S. Brini, S.E. Shirsath, BaTiO₃/(Co_{0.8}Ni_{0.1}Mn_{0.1}Fe_{1.9}Ce_{0.1}O₄)_x composites: Analysis of the effect of Co_{0.8}Ni_{0.1}Mn_{0.1}Fe_{1.9}Ce_{0.1}O₄ doping at different concentrations on the structural, morphological, optical, magnetic, and magnetoelectric coupling properties of BaTiO₃, <https://doi.org/10.1016/j.ceramint.2022.06.330>. *Ceramics International*, 48(20), 30499, Doi: 10.1016/j.ceramint.2022.06.330 (Yayın No: 8488908)
62. BAYKAL ABDULHADİ, Slimani Yasin, Almessiere M.A., Korkmaz Ayse Demir, Aul-Hamid A (2022). H. Erdemi, Munirah Almessiere, Y. Slimani, A. Demir Korkmaz, A. Baykal, A. Ul-Hamid, Effect of Er³⁺ and Y³⁺ ions co-substitution on conductivity and dielectric features of Mn-Zn nanosized spinel ferrites, *J.Mat.Sci. in Electron.* 33 (2022) 12513-12524.. *J.Mat.Sci. in Electron.*, 33, 12513, Doi: 10.1007/s10854-022-08208-7 (Yayın No: 8488791)
63. BAYKAL ABDULHADİ, Almessiere M.A., Slimani Yasin, Korkmaz Ayse Demir, güngüneş hakan (2022). Y. Slimani, M. A. Almessiere, A. Demir Korkmaz, A. Baykal, A. Manikandan, H. Gungunes, M.S. Toprak Ultrasound synthesis and magnetic investigations of Ni_{0.4}Cu_{0.4}Zn_{0.2}GaxGdxFe_{2-2x}O₄ (x ≤ 0.04) nanospinel ferrites, *Applied Physics A*, 128 (2022) 593 . *Applied Physics A*, 128, 593, Doi: 10.1007/s00339-022-05727-2 (Yayın No: 8488898)
64. BAYKAL ABDULHADİ, TOMBULOĞLU HÜSEYİN, Almessiere M.A., Slimani Yasin, sözeri hüseyin (2022). The size of iron oxide nanoparticles determines their translocation and effects on iron and mineral nutrition of pumpkin (*Cucurbita maxima* L.),. *JOURNAL OF MAGNETISM AND MAGNETIC MATERIALS*, 564, 170058, Doi: 10.1016/j.jmmm.2022.170058 (Yayın No: 8489130)
65. BAYKAL ABDULHADİ, Almessiere M.A., Slimani Yasin (2022). Impact of sonication time on the structural and magnetic features of CoFe₂O₄/Ni_{0.8}Cu_{0.1}Zn_{0.1}Fe₂O₄ hard-soft nanocomposites. *J. Alloys Compd.*, 293, 166347, Doi: 10.1016/j.jallcom.2022.16634 (Yayın No: 8489064)
66. BAYKAL ABDULHADİ, Almessiere M.A., Slimani Yasin (2022). Influence of Ce³⁺ on the Structural, Morphological, Magnetic, Photocatalytic and Antibacterial Properties of Spinel MnFe₂O₄ Nanocrystallites Prepared by the Combustion Route. *Crystal*, 12(2), 269, Doi: 10.3390/cryst12020268 (Yayın No: 8488672)
67. BAYKAL ABDULHADİ, Almessiere M.A., Slimani Yasin, güngüneş hakan, Shirsath S.E. (2022). M.A. Almessiere, Y. Slimani, H. Gungunes, M.A. Gondal, M. Hassan, S.E. Shirsath, A. Baykal, Bi³⁺ and V³⁺ co-substituted Ni-Co spinel ferrites: Synthesis, optical, magnetic characterization and hyperfine interaction, *Materials Science & Engineering B* 284 (2022) 115905. . *Materials Science and Engineering: B*, 284, 115905, Doi: 10.1016/j.mseb.2022.115905 (Yayın No: 8489078)
68. BAYKAL ABDULHADİ, Slimani Yasin, E. Hannachi E. Hannachi, Almessiere M.A., M. I. Sayyed M. I. Sayyed (2022). Essia Hannachi, Yassine Slimani, Mohammad Hasan Abu Mhareb, M.I. Sayyed, Morad Kh. Hamad, Yasser Alajerami, Nidal Dwaikat, Munirah A. Almessiere, Abdulhadi Baykal, YBa₂Cu₃O_y superconducting ceramics incorporated with different types of oxide materials as promising radiation shielding materials: Investigation of the structure, morphology, and ionizing radiations shielding performances, *Nanomaterials* 12 (2022) 3490. . *Nanomaterials*, 12, 3490, Doi: 10.3390/nano12193490 (Yayın No: 8489126)
69. BAYKAL ABDULHADİ, Almessiere M.A., Slimani Yasin, Auwal İ.A. (2022). M. A. Almessiere, Y. Slimani, N.A. Algarou, M.G. Vakhitov, D.S. Klygach, A. Baykal, T.I. Zubar, S.V. Trukhanov, A.V. Trukhanov, H. Attia, M. Sertkol, I. A. Auwal, The tuning the structure, magnetic and high frequency properties of Sc-doped Sr_{0.5}Ba_{0.5}Sc_xFe_{12-x}O₁₀/NiFe₂O₄ hard/soft nanocomposites, *Adv. Electron. Mater.* 8 (2022) . . *Adv. Electron. Mater.*, 8, 2101124, Doi: 10.1002/aelm.20210112 (Yayın No: 8487151)
70. BAYKAL ABDULHADİ, TOMBULOĞLU HÜSEYİN (2022). E.A. Al-Suhaimi, M.A. Aljafary, T.M. Alfareed, H.A. Alshuyeh, G.M. Alhamid, B. Sonbol, A. Almofleh, F.M. Alkulaifi, R.K. Altwayan, J.N. Alharbi, N.M. Binmahfooz, E.S. Alhasani, H. Tombuloglu, A.S. Rasdan, A.A. Lardhi, A. Baykal, A.M. Homeida, Nanogenerator-based sensors for energy harvesting from cardiac contraction, *Frontiers in Energy*

Uluslararası hakemli dergilerde yayımlanan makaleler:

- Research, section Electrochemical Energy Conversion and Storage, Accept 14.04.2022. *Front. Energy Res.*, 10, 900535, Doi: 10.3389/fenrg.2022.900534 (Yayın No: 8488826)
71. Mhareb Mohammad Hasan Abu, Almessiere Munirah Abdullah, Sayyed Mahnoor Imran, Dwaikat Nidal Khaled, Alajerami Yasser Saleh Mustafa, Al-Hamarneh Ibrahim F., Slimani Yassine Abdelhamid, BAYKAL ABDULHADİ (2022). Gamma-ray and charged particles shielding potency of hard/soft spinel ferrite composites. *JOURNAL OF MATERIALS SCIENCE-MATERIALS IN ELECTRONICS*, 33, 24606-24618., Doi: 10.1007/s10854-022-09171-z (Yayın No: 8489104)
 72. BAYKAL ABDULHADİ, ÜNAL BAYRAM, Almessiere M.A., Slimani Yasin (2022). M.A. Almessiere, B. Ünal, S. Ali, A. Baykal, Y. Slimani, A.V. Trukhanov, One-pot synthesis of hard/soft SrFe₁₀O₁₉/x(Ni_{0.8}Zn_{0.2}Fe_{1.8}Cr_{0.2}O₄) nanocomposites: electrical features and reflection losses *Ceram. Int.* <https://doi.org/10.1016/j.ceramint.2022.05.214>. *Ceram. Int.*, 48(17), 25390, Doi: 10.1016/j.ceramint.2022.05.214. (Yayın No: 8488883)
 73. BAYKAL ABDULHADİ, Slimani Yasin, Almessiere M.A., E. Hannachi E. Hannachi, nawaz muhammed (2022). Essia Hannachi, Yassine Slimani, Muhammad Nawaz, Zayneb Trabelsi, Ghulam Yasin, Muhammad Bilal, Munirah A. Almessiere, Abdulhadi Baykal, Atul Thakur, Preeti Thakur, Synthesis, characterization, and evaluation of the photocatalytic properties of zinc oxide co-doped with lanthanides elements, *Journal of Physics and Chemistry of Solids* 110 (2022) 110910. *Journal of Physics and Chemistry of Solids*, 110, 110910, Doi: 10.1016/j.jpccs.2022.110910 (Yayın No: 8489069)
 74. BAYKAL ABDULHADİ, Almessiere M.A., Slimani Yasin, Khan Firdos Alam, nawaz muhammed (2022). Biocompatibility and colorectal anti-cancer activity study of nanosized BaTiO₃ coated spinel ferrites. *Scientific Report*, 12, 1412709, Doi: 10.1038/s41598-022-18306-5 (Yayın No: 8489089)
 75. BAYKAL ABDULHADİ, Slimani Yasin, Almessiere M.A., güngüneş hakan, Shirsath S.E., Manikandan A (2022). M. Sertkol, S. Güner, M.A. Almessiere, Y. Slimani, A. Baykal, H. Gungunes, F. Alahmari, S.E. Shirsath, A. Manikandan, Effect of Bi³⁺ ions substitution on the structure, morphology, and magnetic properties of Co-Ni spinel ferrite nanofibers, *Mat. Chem. Phys.* 284 (2022) 126071.. *Mat. Chem. Phys.*, 284, 126071, Doi: 10.1016/j.matchemphys.2022.126071 (Yayın No: 8488751)
 76. BAYKAL ABDULHADİ, Almessiere M.A., Slimani Yasin, Manikandan A (2022). A. Dinesh, K. Kanmani Raja, A. Manikandan, M.A. Almessiere, Y. Slimani, A. Baykal, Hajer Saeed Alorfi, Mehmoud Ali Hussein, Anish Khan, Sol-gel combustion synthesis and photocatalytic dye degradation studies of rare earth element Ce substituted MnZn ferrite nanoparticles, *J. Mater. Res. Technol.* 18 (2022) 5280-5289. *J. Mater. Res. Technol.*, 18, 5280, Doi: 10.1016/j.jmrt.2022.04.121 (Yayın No: 8488865)
 77. BAYKAL ABDULHADİ, Almessiere M.A., Slimani Yasin, E. Hannachi E. Hannachi (2022). E. Hannachi, M.I. Sayyed, Y. Slimani, M.A. Almessiere, A. Baykal, M. Elsafi, Synthesis, characterization, and performance assessment of new composite ceramics towards radiation shielding applications, 899 (2022) 163173. *J. Alloys Compd.*, 899, 163173, Doi: 10.1016/j.jallcom.2021.163173 (Yayın No: 8487171)
 78. Almessiere Munirah Abdullah, Slimani Yassine Abdelhamid, Sadaqat Ali, BAYKAL ABDULHADİ, Jermy Rabindran, GÜNER SADIK, Trukhanov Alex V., Trukhanov Sergei V., Manikandan A (2022). Impact of Ga³⁺ ion on structure, magnetic and optical features of Co/Ni nanostructured spinel microspheres. *Nanomaterials*, 12, 2872, Doi: 10.3390/nano12162872 (Yayın No: 8489095)
 79. BAYKAL ABDULHADİ, GÜNER SADIK, Slimani Yasin, Almessiere M.A. (2022). M. Hassan, S. Güner, M. Almessiere, M.J.S. Mohamed, Y. Slimani, A.M.I. Surrati, M.A. Gondal, A. Baykal, S. Trukhanov, A. Trukhanov, Structural parameters, energy states and magnetic properties of the novr; Se doped NiFe₂O₄ as highly efficient electrocatalyst for HER, *Cer. Int.* <https://doi.org/10.1016/j.ceramint.2022.05.140>.. *ceramics international*, 48(17), 24866, Doi: 10.1016/j.ceramint.2022.05.140. (Yayın No: 8488877)
 80. BAYKAL ABDULHADİ, Almessiere M.A., Slimani Yasin, Manikandan A (2022). M.A. Almessiere, N.A. Algarou, Y. Slimani, A. Sadaqat, A. Baykal, A. Manikandan, S.V. Trukhanov, A.V. Trukhanov, Investigation of exchange coupling and microwave properties of hard/soft (SrNi_{0.02}Zr_{0.01}Fe_{11.96}O₁₉)/(CoFe₂O₄)_x nanocomposites, *Materials Today Nano* 18 (2022) 100186. *Materials Today Nano*, 18, 100186, Doi: 10.1016/j.mtnano.2022.100186 (Yayın No: 8489104)
 81. BAYKAL ABDULHADİ, Almessiere M.A., Slimani Yasin, Korkmaz Ayse Demir (2021). AC susceptibility and FC-ZFC magnetic properties of SrTbxFe₁₂xO₁₉ and SrTmxFe₁₂xO₁₉ hexaferrites: a comparative study. *Journal of Rare Earths*, 39(8), 1003, Doi: 10.1016/j.jre.2020.07.026 (Yayın No: 8483782)
 82. BAYKAL ABDULHADİ, Almessiere M.A., Slimani Yasin, Slimani Yasin, Almessiere M.A., Khan Firdos Alam (2021). F. Alahmari, S. Rehman, M. Almessiere, F.A. Khan, Y. Slimani, A. Baykal, Synthesis of Ni_{0.5}Co_{0.5}-xCdxFe_{1.78}Nd_{0.02}O₄ (x ≤ 0.25) nanofibers by using electrospinning technique induce anti-cancer and anti-bacterial activities, *J. Biomolecular Struct. and Dynamics* 39(9) (2021) 3186-3193. *J. Biomolecular Struct. and Dynamics*, 39(9), Doi: 10.1080/07391102.2020.1761880 (Yayın No: 8483684)

Uluslararası hakemli dergilerde yayımlanan makaleler:

83. BAYKAL ABDULHADİ, Manikandan A (2021). Impact of nickel substitution on structure, magneto-optical, electrical and acoustical properties of cobalt ferrite nanoparticles, *J. Alloys and Compd.*, 857, 157517, Doi: 10.1016/j.jallcom.2020.157517 (Yayın No: 8483970)
84. BAYKAL ABDULHADİ, nawaz muhammed, Khan Firdos Alam (2021). E.A. Al-Suhaimi, M.Nawaz, F.A. Khan, M.A. Aljafary, A. Baykal, A.M. Homeida, Emerging trends in the delivery of nanoformulated oxytocin across Blood Brain Barrier, *Int. J. Pharmaceutics* 609 (2021) 121141.. *Int. J. Pharmaceutics*, 609, 121141, Doi: 10.1016/j.ijpharm.2021.121141 (Yayın No: 8487097)
85. BAYKAL ABDULHADİ, Almessiere M.A., Slimani Yasin (2021). V.E. Zhivulin, E.A. Trofimov, S.A. Gudkova, I. Yu. Pashkeev, A. Yu. Punda, M. Gavriyak, O.V. Zaitseva, S. Taskaev, F.V. Podgornov, M.A. Darwish, M.A. Almessiere, Y. Slimani, A. Baykal, S.V. Trukhanov, A.V. Trukhanov, D.A. Vinnik. Polysubstituted high-entropy [LaNd](Cr_{0.2}Mn_{0.2}Fe_{0.2}Co_{0.2}Ni_{0.2})O₃ perovskites: correlation of the electrical and magnetic properties, *NANOMATERIALS*, 11(4), 1014, Doi: 10.3390/nano11041014 (Yayın No: 8486458)
86. BAYKAL ABDULHADİ, Almessiere M.A., Slimani Yasin, Korkmaz Ayse Demir, güngüneş hakan (2021). Impact of Gd substitution on the structure, hyperfine interactions, and magnetic properties of Sr hexaferrites. *ceram. Int.*, 47, 33853, Doi: 10.1016/j.ceramint.2021.08.297 (Yayın No: 8486885)
87. BAYKAL ABDULHADİ, Almessiere M.A., Slimani Yasin, Korkmaz Ayse Demir (2021). Review on functional bi-component nanocomposites based on hard/soft ferrites: structural, magnetic, electrical and microwave absorption properties., *Nano-Structures & Nano-Objects*, 26(1), 100728, Doi: 10.1016/j.nanoso.2021.100728 (Yayın No: 8486436)
88. BAYKAL ABDULHADİ, Almessiere M.A., Slimani Yasin, E. Hannachi E. Hannachi (2021). Y. Slimani, Sagar E. Shirsath, E. Hannachi, M.A. Almessiere, Moustafa M. Aouna, Nouf E. Aldossary, Ghulam Yasin, A. Baykal, B. Özçelik, I. Ercan, (BaTiO₃)_{1-x}+(Co_{0.5}Ni_{0.5}Nb_{0.06}Fe_{1.94}O₄)_x nanocomposites: Structure, morphology, magnetic and dielectric properties. *J. Am. Ceram. Soc.*, 104, 5648, Doi: 10.1111/jace.17931 (Yayın No: 8486570)
89. BAYKAL ABDULHADİ, ÜNAL BAYRAM, Almessiere M.A., Slimani Yasin, Korkmaz Ayse Demir (2021). Electrical and dielectric property of rare earth substituted hard-soft ferrite (Co_{0.5}Ni_{0.5}Ga_{0.01}Gd_{0.01}Fe_{1.98}O₄)_x/(ZnFe₂O₄)_y nanocomposites. *J. Mater. Res. Technol.*, 15, 969, Doi: 10.1016/j.jmrt.2021.08.049 (Yayın No: 8486843)
90. BAYKAL ABDULHADİ, Almessiere M.A., Slimani Yasin (2021). Influence of Ni substitution on opto-magnetic and electrochemical properties of CTAB-capped mesoporous SnO₂ nanoparticles. *J Mater Sci: Mater Electron*, 32, 7630, Doi: 10.1007/s10854-021-05479-4 (Yayın No: 8486387)
91. BAYKAL ABDULHADİ, Almessiere M.A., Slimani Yasin, Manikandan A (2021). Review on recent advances of synthesis, magnetic properties and water treatment applications of cobalt ferrite nanoparticles and nanocomposites. *Journal of Superconductivity and Novel Magnetism*, 34, 995, Doi: 10.1007/s10948-021-05854-6 (Yayın No: 8486418)
92. BAYKAL ABDULHADİ, Almessiere M.A., Khan Firdos Alam (2021). Sol-Gel Synthesis of Dy-Substituted Ni_{0.4}Cu_{0.2}Zn_{0.4}(Fe_{2-x}Dy_x)O₄ Nano Spinel Ferrites and Evaluation of Their Antibacterial, Antifungal, Antibiofilm and Anticancer Potentialities for Biomedical Application., *International Journal of Nanomedicine*, 16, 5633, Doi: 10.2147/IJN.S316471 (Yayın No: 8486861)
93. BAYKAL ABDULHADİ, Slimani Yasin, Almessiere M.A. (2021). Investigation of Hard/Soft Nanocomposite for Energy Storage Applications.. *International J. Energy Res.*, 45(11), 16691, Doi: 10.1002/er.6916 (Yayın No: 8486581)
94. BAYKAL ABDULHADİ, Almessiere M.A., Slimani Yasin (2021). M.A. Almessiere, Y. Slimani, H. Attia, S.I.M. Sheikh, Ali Sadaqat, M.G. Vakhitov, D.S. Klygach, M. Sertkol, A. Baykal, A.V. Trukhanov, Alterations in magnetic and electrodynamic properties of hard-soft Sr_{0.5}Ba_{0.5}Eu_{0.01}Fe₁₂O₁₉/Ni_xCu_yZn_wFe₂O₄ nanocomposites., *J. Mat. Res. Technol.*, 15, 1416, Doi: 10.1016/j.jmrt.2021.08.137 (Yayın No: 8486896)
95. BAYKAL ABDULHADİ, Slimani Yasin, Almessiere M.A. (2021). Anisotropy of the electrical properties of a single crystal of BaFe_{11.25}Ti_{0.75}O₁₉ M-type barium hexaferrite, *J. Solid-State Chem.*, 298, 122104, Doi: 10.1016/j.jssc.2021.122104 (Yayın No: 8486409)
96. BAYKAL ABDULHADİ, Almessiere M.A., Slimani Yasin, güngüneş hakan, Manikandan A, ÜNAL BAYRAM (2021). M.A. Almessiere, B. Unal, Y. Slimani, H. Gungunes, M.S. Toprak, N. Tashkand, A. Baykal, M. Sertkol, A.V. Trukhanov, A. Yıldız, A. Manikandan, Effects of Ce-Dy rare earths co-doping on various features of Ni-Co spinel ferrite microspheres prepared via hydrothermal approach. *J. Mater. Res. Technol.*, 14, 2534, Doi: 10.1016/j.jmrt.2021.07.142 (Yayın No: 8486791)
97. BAYKAL ABDULHADİ, GÜNER SADIK, Slimani Yasin, Almessiere M.A., güngüneş hakan (2021). M.A. Almessiere, S. Güner, H. Gungunes, M. Sertkol, Y. Slimani, R. Badar, S. Akhtar, S.E. Shirsath, A. Baykal, Structural, magnetic, and Mossbauer parameters evaluation of sonochemically synthesized rare earth Er³⁺ and Y³⁺-substituted manganese-zinc nanospinel ferrites. *ACS Omega*, 6(34), 22429, Doi: 10.1021/acsomega.1c03416 (Yayın No: 8486803)
98. BAYKAL ABDULHADİ, Almessiere M.A., Slimani Yasin (2021). Features of structure, magnetic state and electrodynamic performance of -SrFe_{12-x}ln_xO₁₉. *Scientific Reports*, 11, 18342, Doi: 10.1038/s41598-021-97684-8 (Yayın No: 8487065)

Uluslararası hakemli dergilerde yayımlanan makaleler:

- BAYKAL ABDULHADİ, Almessiere M.A., Slimani Yasin (2021). Features of structure, magnetic state and electrodynamic performance of $\text{-SrFe}_{12}\text{-xInxO}_{19}$. *Scientific Reports*, 11, 18342, Doi: 10.1038/s41598-021-97684-8 (Yayın No: 8487065)
99. BAYKAL ABDULHADİ, Almessiere M.A., Slimani Yasin, GÜNER SADIK, Auwal İ.A. (2021). Y. Slimani, N.A. Algarou, M.A. Almessiere, A. Sadaqat, M.G. Vakhitov, D.S. Klygach, D.I. Tishkevich, A.V. Trukhanov, S. Güner, A.S. Hakeem, I.A. Auwal, A. Baykal, A. Manikandan, Fabrication of exchanged coupled hard/soft magnetic nanocomposites: Correlation between composition, magnetic, optical and microwave properties, *Arabian Journal of Chemistry*. *Arabian Journal of Chemistry*, 14, 102992, Doi: 10.1016/j.arabjc.2021.102992 (Yayın No: 8484065)
100. BAYKAL ABDULHADİ, Almessiere M.A., Slimani Yasin, Manikandan A (2021). Abdulhadi Baykal, Anti-microbial and anti-cancer activities of $\text{MnZnDyxFe}_{2-x}\text{O}_4$ ($x \leq 0.1$) nanoparticles,. *Artificial Cells, Nanomedicine and Biotechnology*, 49, 493, Doi: 10.1080/21691401.2021.1938592 (Yayın No: 8486612)
101. BAYKAL ABDULHADİ, Almessiere M.A., Slimani Yasin, Manikandan A (2021). Electrospinning synthesis of Cd substituted Ni-Co spinel ferrite nanofibers: An investigation on their structural and magnetic features. *Appl. Phys. A*, 127, 785, Doi: 10.1007/s00339-021-04936-5 (Yayın No: 8486980)
102. BAYKAL ABDULHADİ, Slimani Yasin, Almessiere M.A., Korkmaz Ayse Demir, Manikandan A, güngüneş hakan (2021). Influence of Dy^{3+} ions on microstructure, magnetic, electrical and microwave properties of $[\text{Ni}_{0.4}\text{Cu}_{0.2}\text{Zn}_{0.4}](\text{Fe}_{2-x}\text{Dyx})\text{O}_4$. *ACS Omega*, 6(15), 10266, Doi: 10.1021/acsomega.1c00611 (Yayın No: 8486447)
103. BAYKAL ABDULHADİ, Slimani Yasin, Almessiere M.A., Auwal İ.A. (2021). Impact of calcination temperature on electrical and dielectric properties of $\text{SrGa}_{0.02}\text{Fe}_{11.98}\text{O}_{19}\text{-Zn}_{0.5}\text{Ni}_{0.5}\text{Fe}_2\text{O}_4$ hard/soft nanocomposites. *Journal of Materials Science: Materials in Electronics*, 32, 16589, Doi: 10.1007/s10854-021-06214-9 (Yayın No: 8486563)
104. BAYKAL ABDULHADİ, Slimani Yasin, Almessiere M.A., Manikandan A, Auwal İ.A. (2021). Electronic, magnetic and microwave properties of hard/soft nanocomposites based on hexaferrite $\text{SrNi}_{0.02}\text{Zr}_{0.02}\text{Fe}_{11.96}\text{O}_{19}$ with variable spinel phase MFe_2O_4 (M=Mn, Co, Cu and Zn). *ceramics international*, 47, 35209, Doi: 10.1016/j.ceramint.2021.09.064 (Yayın No: 8486958)
105. BAYKAL ABDULHADİ, Almessiere M.A., Slimani Yasin, Korkmaz Ayse Demir (2021). Correlation between chemical composition, electrical, magnetic and microwave properties in Dy-substituted Ni-Cu-Zn ferrites. *MATERIALS SCIENCE AND ENGINEERING: B*, 270, 115202, Doi: 10.1016/j.mseb.2021.115202 (Yayın No: 8486467)
106. BAYKAL ABDULHADİ, ÜNAL BAYRAM, Almessiere M.A., Slimani Yasin, Korkmaz Ayse Demir (2021). A Study on the electrical and dielectric properties of $\text{SrGdxFe}_{12-x}\text{O}_{19}$ ($x=0.00\text{-}0.05$) nanosized M-type hexagonal ferrites,. *Journal of Materials Science: Materials in Electronics*, 32, 18317, Doi: 10.1007/s10854-021-06373-9 (Yayın No: 8486625)
107. BAYKAL ABDULHADİ, Almessiere M.A., Slimani Yasin, Auwal İ.A., Manikandan A (2021). Morphological, Structural, and Magnetic Characterizations of Hard-Soft Ferrite nanocomposites Synthesized Via Pulsed Laser Ablation in Liquid. *Materials Science & Engineering B*, 273, 115446, Doi: 10.1016/j.mseb.2021.115446 (Yayın No: 8486941)
108. BAYKAL ABDULHADİ, Almessiere M.A., Slimani Yasin (2021). Ultrasonic synthesis, and Biomedical application of $\text{Mn}_{0.5}\text{Zn}_{0.5}\text{Er}_x\text{Y}_x\text{Fe}_{1.5-2x}\text{O}_4$ nanoparticles . *BIOMOLECULES*, 12, 703, Doi: 10.3390/biom11050703 (Yayın No: 8486481)
109. BAYKAL ABDULHADİ, Almessiere M.A., Slimani Yasin, GÜNER SADIK (2021). A. Manikandan, S. Anand, M.M.L. Sonia, V. Maria Vinosel, P. Paulraj, Y. Slimani, M.A. Almessiere, M. Iqbal, S. Guner, A. Baykal, Effect of zinc substitution on the physical and electrochemical properties of mesoporous SnO_2 nanoparticles,. 273 (2021) 125122.. *Mat.Chem. Phys*, 273, 125122, Doi: 10.1016/j.matchemphys.2021.125122 (Yayın No: 8486810)
110. BAYKAL ABDULHADİ, Almessiere M.A., Slimani Yasin, Auwal İ.A., GÜNER SADIK (2021). M.A. Almessiere, S. Güner, M. Sertkol, A. Demir Korkmaz, A. Baykal, I.A. Auwal, S.E. Shirsath, Y. Slimani, M. Hassan, Comparative study of sonochemically and hydrothermally synthesized $\text{Mn}_{0.5}\text{Zn}_{0.5}\text{Sm}_x\text{EuxFe}_{2-2x}\text{O}_4$ nanoparticles: Structural, optical, and magnetic properties,. *Nanostructures and Nanoobjects*, 28, 100792, Doi: 10.1016/j.nanoso.2021.100792 (Yayın No: 8486810)
111. BAYKAL ABDULHADİ, Almessiere M.A., Slimani Yasin, Manikandan A (2021). Kinetic modeling for photo-assisted Penicillin G degradation under visible light on to $\text{Mn}_{0.5}\text{Zn}_{0.5}\text{Cd}_{1.5}\text{Fe}_2\text{-xO}_4$ nanoparticles . *NANOMATERIALS*, 11(4), 970, Doi: 10.3390/nano11040970 (Yayın No: 8486453)
112. BAYKAL ABDULHADİ, TOMBULOĞLU HÜSEYİN, Almessiere M.A., Slimani Yasin, sözeri hüseyin (2021). Delivery, fate, and physiological effect of engineered cobalt ferrite nanoparticles in barley (*Hordeum vulgare* L.). *Chemosphere*, 265, 129138, Doi: 10.1016/j.chemosphere.2020.129138 (Yayın No: 8484022)
113. BAYKAL ABDULHADİ, Slimani Yasin, Almessiere M.A., Shirsath S.E., Auwal İ.A. (2021). . Y. Slimani, M.A. Almessiere, I.A. Auwal, S.E. Shirsath, M.A. Gondal, M. Sertkol, A. Baykal, Biosynthesis effect of

Uluslararası hakemli dergilerde yayımlanan makaleler:

- Moringa oleifera leaf extract on structural and magnetic properties of Zn doped Ca-Mg nano-spinel ferrites, 14 (2021) 103261.. Arabian Journal of Chemistry, 14, 103261, Doi: 10.1016/j.arabjc.2021.103261 (Yayın No: 8486638)
114. BAYKAL ABDULHADİ, Slimani Yasin, Almessiere M.A. (2021). Impact of the exfoliated graphite on magnetic and microwave properties of the hexaferrite-based composites. Journal of Alloys and Compounds, 878, 160397, Doi: 10.1016/j.jallcom.2021.160397 (Yayın No: 8486487)
115. BAYKAL ABDULHADİ, Almessiere M.A., Slimani Yasin, Khan Firdos Alam (2021). Synthesis, characterization, anti-cancer analysis of Sr_{0.5}Ba_{0.5}DyxSmxFe_{8-2x}O₁₉ (0.00 ≤ x ≤ 1.0) microsphere nanoparticles . Nanomaterials, 11(3), 700, Doi: 10.3390/nano11030700 (Yayın No: 8486431)
116. BAYKAL ABDULHADİ, Almessiere M.A., Slimani Yasin, Manikandan A (2021). M. Vanitha, G. Ramachandran, A. Manikandan, Y. Slimani, M.A. Almessiere, A. Baykal, C.S. Dash, Effect of Sr²⁺ Ion-Substituted Nickel Ferrite Nanoparticles Prepared by a Simple Microwave Combustion Method, Journal of Superconductivity and Novel Magnetism. Journal of Superconductivity and Novel Magnetism, 34, 971, Doi: 10.1007/s10948-020-05777-8 (Yayın No: 8484077)
117. BAYKAL ABDULHADİ, Almessiere M.A., Slimani Yasin, Manikandan A (2021). Exploring the influence of varying pH on structural, electro-optical, magnetic and photo-Fenton properties of mesoporous ZnFe₂O₄ nanocrystals,. Environmental Pollution, 272, 115983, Doi: 10.1016/j.envpol.2020.115983 (Yayın No: 8483996)
118. BAYKAL ABDULHADİ, Almessiere M.A., Slimani Yasin (2021). R.J. Mathiarasu, A. Manikandan, J.N. Baby, K. Panneerselvam, R. Subashchandrabose, M. Goerge, Y. Slimani, M.A. Almessiere, A. Baykal, Hexagonal basalt-like ceramics LaxMg_{1-x}TiO₃ (x=0 and 0.5) contrived via deep eutectic solvent for selective electrochemical detection of dopamine, Physics 615 (2021) 413068. PHYSICA B-CONDENSED MATTER, 615, 413068, Doi: 10.1016/j.physb.2021.413068 (Yayın No: 8486460)
119. BAYKAL ABDULHADİ, GÜNER SADIK, Slimani Yasin, Almessiere M.A. (2021). Structural and magnetic properties of Co_{0.5}Ni_{0.5}Ga_{0.01}Gd_{0.01}Fe_{1.98}O₄/ZnFe₂O₄ spinel ferrite nanocomposites: Comparative study between sol-gel and Pulsed Laser Ablation in Liquid approaches. Nanomaterials, 11, 2461, Doi: 10.3390/nano11092461 (Yayın No: 8487077)
120. BAYKAL ABDULHADİ, Almessiere M.A. (2021). M.A. Ansari, S. Akhtar, M.A. Rauf, M.N. Alomary, S. AlYahya, S. Alghamdi, M.A. Almessiere, A. Baykal, F. Khan, S.F. Adil, M. Khan, M.R. Hatshan, Sol-gel synthesis of Dy-substituted Ni_{0.4}Cu_{0.2}Zn_{0.4}(Fe_{2-x}Dyx)O₄ nano spinel ferrites and evaluation of their antibacterial, antifungal, antibiofilm and anticancer potentialities for biomedical application, International Journal of Nanomedicine 16 (2021) 5633-5650. International Journal of Nanomedicine, 16, 5633, Doi: 10.2147/IJN.S316471 (Yayın No: 8486659)
121. BAYKAL ABDULHADİ, Slimani Yasin, Almessiere M.A., Korkmaz Ayse Demir, GÜNER SADIK (2021). M.A. Almessiere, S. Güner, Y. Slimani, B. Rabindran Jermy, M. Sertkol, N. Taskhandi, A. Demir Korkmaz, A. Baykal, Sm-Dy co-substituted Sr hexaferrite microspheres: An investigation on their structural, magnetic, optical, and porosity characteristics,. Cer. Int., 47(17), 25131, Doi: 10.1016/j.ceramint.2021.05.243 (Yayın No: 8486591)
122. BAYKAL ABDULHADİ, Slimani Yasin, Almessiere M.A., Manikandan A (2021). Synthesis optical and electrochemical investigations of Sb substituted mesoporous SnO₂ nanoparticles,. Journal of Materials Science: Materials in Electronics, 32, 4132, Doi: 10.1007/s10854-020-05155-z (Yayın No: 8484036)
123. BAYKAL ABDULHADİ, Almessiere M.A., Slimani Yasin, Manikandan A (2021). S. Rehman, M.A. Almessiere, S.S. Al- Jameel, U. Ali, Y. Slimani, N. Taskhandi, N.S. Al-Saleh, A. Manikandan A. Manikandan, F.A. Khan, E.A. Al-Suhaimi, A. Baykal, Designing of Co_{0.5}Ni_{0.5}GaxFe_{2-x}O₄ (0.0≤x≤1.0) microspheres via hydrothermal approach and their selective inhibition on the growth of cancerous and fungal cells, Pharmaceutics 13 (2021) 962 . Pharmaceutics, 13, 962, Doi: 10.3390/pharmaceutics13070962 (Yayın No: 8486649)
124. BAYKAL ABDULHADİ, Slimani Yasin, Almessiere M.A., Manikandan A (2021). R.R. Mathiarasu, A. Manikandan, K. Panneerselvam, M. George, K.M. Raja, M.A. Almessiere, Y. Slimani, A. Baykal, A.M. Asiri, T. Kamal, A. Khan, Photocatalytic degradation of reactive anionic dyes RB5, RR198, and RY145 via rare earth element (REE) Lanthanum substituted CaTiO₃ perovskite catalyst, 15 (2021) 5936-5947.. J. Mat. Res. Technol., 15, 5936, Doi: 10.1016/j.jmrt.2021.11.047 (Yayın No: 8487144)
125. BAYKAL ABDULHADİ, ÜNAL BAYRAM, Almessiere M.A., Slimani Yasin, Auwal İ.A., Manikandan A (2021). Investigation on electrical and dielectric properties of hard/soft spinel ferrite nanocomposites of CoFe₂O₄/(NiSc_{0.03}Fe_{1.97}O₄)_x. Vacuum, 194, 110628, Doi: 10.1016/j.vacuum.2021.110628 (Yayın No: 8487088)
126. BAYKAL ABDULHADİ, Slimani Yasin, Almessiere M.A., Manikandan A (2021). P.A. Vinosha, A. Manikandan, A.S.J. Ceicilia, A. Dinesh, G.F. Nirmala, A.C. Preetha, Y. Slimani, M.A. Almessiere, A. Baykal, B. Xavier, Review on recent advances of zinc substituted cobalt ferrite nanoparticles: Synthesis characterization and diverse applications,. Ceram. Int., 47, 10512, Doi: 10.1016/j.ceramint.2020.12.289 (Yayın No: 8484053)

Uluslararası hakemli dergilerde yayımlanan makaleler:

127. BAYKAL ABDULHADİ, Almessiere M.A., Slimani Yasin, Manikandan A (2021). T.L. Ajeesha, A. Ashwini, M. George, A. Manikandan, J. Arul Maryc, Y. Slimani, M.A. Almessiere, A. Baykal, Nickel substituted $MgFe_2O_4$ nanoparticles via co-precipitation method for 2 photocatalytic applications, *Physica B* 606 (2021) 412660. *Physica B*, 606, 412660, Doi: 10.1016/j.physb.2020.412660 (Yayın No: 8483987)
128. BAYKAL ABDULHADİ, Slimani Yasin, Almessiere M.A. (2021). M. George, T.L. Ajeesha, A. Manikandan, A. Anantharaman, R.S. Jansi, E.R. Kumar, Y. Slimani, M.A. Almessiere, A. Baykal, Evaluation of $Cu-MgFe_2O_4$ spinel nanoparticles for photocatalytic and antimicrobial activities, *Journal of Physics and Chemistry of Solids* 153 (2021) 110010. *Journal of Physics and Chemistry of Solids*, 153, 110010, Doi: 10.1016/j.jpccs.2021.110010 (Yayın No: 8486395)
129. BAYKAL ABDULHADİ, Almessiere M.A., Slimani Yasin, TOMBULOĞLU HÜSEYİN (2021). Synthesis of niobium substituted cobalt-nickel nano-ferrite ($Co_{0.5}Ni_{0.5}NbxFe_{2-x}O_4$ ($x \leq 0.1$)) by hydrothermal approach show strong anti-colon cancer activities. *Journal of Biomolecular Structure and Dynamics*, 39(6), 2257, Doi: 10.1080/07391102.2020.1748719 (Yayın No: 8483537)
130. BAYKAL ABDULHADİ, Slimani Yasin, Almessiere M.A., Korkmaz Ayse Demir (2021). Y. Slimani, B. Unal, M.A. Almessiere, A. Demir Korkmaz, A. Baykal, Investigation of AC susceptibility, dielectric and electrical properties of Tb-Tm co-substituted M-type Sr hexaferrites, *Mat. Chem. Physics* 260 (2021) 124162. *Mat. Chem. Physics*, 260, 124162, Doi: 10.1016/j.matchemphys.2020.124162 (Yayın No: 8484029)
131. BAYKAL ABDULHADİ, Almessiere M.A., Slimani Yasin, Manikandan A (2021). Structural, Fabrication and enhanced electromagnatic wave absorption properties of reduced graphene oxide (rGO)/zirconium substituted cobalt ferrite ($Co_{0.5}Zr_{0.5}Fe_2O_4$) nanocomposites,. *Physica B*, 605, 412784, Doi: 10.1016/j.physb.2020.412784 (Yayın No: 8484044)
132. BAYKAL ABDULHADİ (2020). Tuning pH sensitive chitosan and cisplatin over spinel ferrite/silica nanocomposite for anticancer activity in MCF-7 cell line. *Journal of Drug Delivery Science and Technology*, 57, 101711, Doi: 10.1016/j.jddst.2020.101711 (Yayın No: 8483545)
133. BAYKAL ABDULHADİ, Almessiere M.A., Slimani Yasin (2020). N. Alamri, Y. Slimani, S. Akhtar, M. Barghouthi, M.A. Almessiere, T. Alshammari, A. Baykal, H. Sabit, S. Ozcelik, Size effect of iron (III) oxide nanomaterials on the growth, and their uptake and translocation in common wheat (*Triticum aestivum* L.), *Ecotoxicology and Environmental Safety*, *Ecotoxicology and Environmental Safety* 194 (2020) 110377. *Ecotoxicology and Environmental Safety*, 194, 110377, Doi: 10.1016/j.ecoenv.2020.110377 (Yayın No: 8483495)
134. BAYKAL ABDULHADİ, Almessiere M.A., Almessiere M.A., GÜNER SADIK (2020). Exchange-coupling effect in hard/soft $SrTb_{0.01}Tm_{0.01}Fe_{11.98}O_{19}/AFe_2O_4$ (where $A=Co, Ni, Zn, Cu$ and Mn) composites, *Ceram. Int.* 46 (2020) 7089–7098. *ceramic international*, 46, 7089 (Yayın No: 8483335)
135. BAYKAL ABDULHADİ, Almessiere M.A., Slimani Yasin, TOMBULOĞLU HÜSEYİN (2020). Incorporation of Micro-nutrients (Nickel, Copper, Zinc, and Iron) into Plant Body Through Nanoparticles. *Journal of Soil Science and Plant Nutrition*, 20, 1872, Doi: 10.1007/s42729-020-00258-2 (Yayın No: 8483693)
136. BAYKAL ABDULHADİ, Almessiere M.A., Slimani Yasin, Korkmaz Ayse Demir (2020). A study on the spectral, microstructural, and magnetic properties of Eu-Nd double-substituted $Ba_{0.5}Sr_{0.5}Fe_{12}O_{19}$ hexaferrites synthesized by an ultrasonic-assisted approach. *Ultrasonics - Sonochemistry*, 61, 104847, Doi: 10.1016/j.ultsonch.2019.104847 (Yayın No: 8483287)
137. BAYKAL ABDULHADİ, Almessiere M.A., Slimani Yasin (2020). Correlation between microstructure parameters and anti-cancer activity of the $[Mn_{0.5}Zn_{0.5}](Eu_xNd_xFe_{2-2x})O_4$ nanoferrites produced by modified sol-gel and ultrasonic methods, *Ceram. Int.* 46 (2020) 7346–7354. *Ceram. Int.*, 46, 746, Doi: 10.1016/j.ceramint.2019.11.230 (Yayın No: 8483406)
138. BAYKAL ABDULHADİ, Slimani Yasin, Almessiere M.A. (2020). M.A. Almessiere, Y. Slimani, B. Unal, T.I. Zubar, A. Sadaqat, A.V. Trukhanov, A. Baykal, Microstructure, dielectric and microwave features of $[Ni_{0.4}Cu_{0.2}Zn_{0.4}](Fe_{2-x}Tb_x)O_4$ ($0.0 \leq x \leq 0.1$) nanoparticles, 9(5) (2020) 10608-10623. *Journal of Materials Research and Technology*, 9, 10608, Doi: 10.1016/j.jmrt.2020.07.094 (Yayın No: 8483822)
139. BAYKAL ABDULHADİ, Almessiere M.A., Slimani Yasin, Korkmaz Ayse Demir, güngüneş hakan (2020). $SrCo_xZr_xFe_{12-2x}O_{19}$ and $SrNi_xZr_xFe_{12-2x}O_{19}$ hexaferrites: A Comparison Study of AC Susceptibility, FC-ZFC and hyperfine interactions,. *Chinese Journal of Physics*, 66, 596, Doi: 10.1016/j.cjph.2020.05.012 (Yayın No: 8483703)
140. BAYKAL ABDULHADİ, Almessiere M.A. (2020). Magnetic and Microwave properties of $SrFe_{12}O_{19}/MCo_{0.04}Fe_{1.96}O_4$ ($M = Cu, Ni, Mn, Co$ and Zn) hard/soft nanocomposites,. *Journal of Materials Research and Technology*, 9(3), 5858 (Yayın No: 8483572)
141. BAYKAL ABDULHADİ, Almessiere M.A., Slimani Yasin, Korkmaz Ayse Demir (2020). Ultrasonic synthesis, magnetic and optical characterization of Tm_{3p} and Tb_{3p} ions co-doped barium nanohexaferrites. *journal of solid state chemistry*, 286, 121310, Doi: 10.1016/j.jssc.2020.121310 (Yayın No: 8483502)

Uluslararası hakemli dergilerde yayımlanan makaleler:

142. BAYKAL ABDULHADİ, TOMBULOĞLU HÜSEYİN, Almessiere M.A., GÜNER SADIK (2020). H.Tombuloglu, Y. Slimani, T. M. AlShammari, M. Bargouti, M. Ozdemir, G. Tombuloglu, S. Akhtar, H. Sabit, K.R. Hakeem, M.A.Almessiere, I Ercan, A. Baykal, Uptake, translocation, and physiological effects of hematite (α -Fe₂O₃) nanoparticles in barley (*Hordeum vulgare* L.) Environmental Pollution 266(1) (2020) 115391. Environmental Pollution, 266, 115391, Doi: 10.1016/j.envpol.2020.115391 (Yayın No: 8483869)
143. BAYKAL ABDULHADİ, Almessiere M.A., Slimani Yasin, E. Hannachi E. Hannachi (2020). Investigation of structural and physical properties of Eu³⁺ ions substituted Ni_{0.4}Cu_{0.2}Zn_{0.4}Fe₂O₄ spinel ferrite nanoparticles prepared via sonochemical approach. Journal of Materials Science: Materials in Electronics, 31, 7736, Doi: 10.1007/s10854-020-03317-7 (Yayın No: 8483529)
144. BAYKAL ABDULHADİ, Almessiere M.A., Slimani Yasin, GÜNER SADIK (2020). Impacts of Sol-Gel Auto-Combustion and Ultrasonication Approaches on Structural, Magnetic, and Optical Properties of Sm-Tm Co-Substituted Sr_{0.5}Ba_{0.5}Fe₁₂O₁₉ Nanohexaferrites: Comparative Study. Nanomaterials, 10, 272, Doi: 10.3390/nano10020272 (Yayın No: 8483485)
145. BAYKAL ABDULHADİ, Almessiere M.A. (2020). Reem A Dakheel, Suriya Rehman, Munerah A. Almessiere, Firdos A. Khan, Mohammed A. Gondal, A. Mostafa, A. Baykal, Bactericidal and In vitro Cytotoxicity of Moringa oleifera Seeds and its elemental Analysis using Laser-Induced Breakdown Spectroscopy, Pharmaceuticals 13(8) (2020) 193 . Pharmaceuticals, 13(8), 193, Doi: 10.3390/ph13080193 (Yayın No: 8483881)
146. Almessiere M.A., Slimani Yasin, Korkmaz Ayse Demir, BAYKAL ABDULHADİ (2020). Synthesis and biological characterization of Mn_{0.5}Zn_{0.5}Eu_xDy_xFe_{1.8-2x}O₄ nanoparticles by sonochemical approach. Materials Science & Engineering, 109, 110534, Doi: 10.1016/j.msec.2019.110534 (Yayın No: 8483420)
147. BAYKAL ABDULHADİ, Slimani Yasin, Manikandan A (2020). Structural, morphological and optical properties of multifunctional magnetic-luminescent ZnO@Fe₃O₄ nanocomposite. Physica E: Low-dimensional Systems and Nanostructures, 124, 114291, Doi: 10.1016/j.physe.2020.114291 (Yayın No: 8483738)
148. BAYKAL ABDULHADİ, TOMBULOĞLU HÜSEYİN, Almessiere M.A., Slimani Yasin (2020). Iron oxide nanoparticles translocate in pumpkin and alter the phloem sap metabolites related to oil metabolism . Scientia Horticulturae, 262, 109, Doi: 10.1016/j.scienta.2020.109223 (Yayın No: 8483463)
149. BAYKAL ABDULHADİ, GÜNER SADIK, Slimani Yasin, Almessiere M.A. (2020). S. Güner, M.A. Almessiere, Y. Slimani, A. Baykal, I. Ercan, Microstructure, magnetic and optical properties of Nb³⁺ and Y³⁺ ions co-substituted Sr hexaferrites, Cer. Int. 46(4) (2020) 4610-4618. ceramics international, 46, 4610, Doi: 10.1016/j.ceramint.2019.10.191 (Yayın No: 8483263)
150. BAYKAL ABDULHADİ, Almessiere M.A., Slimani Yasin, Manikandan A (2020). Investigation of the crystal/magnetic structure, magnetic and optical properties of Sr_yNb_xFe_{12-2x}O₁₉ (x ≤ 0.05) hexaferrites. Physica Scripta, 95(5), 55802, Doi: 10.1088/1402-4896/ab7143 (Yayın No: 8483471)
151. BAYKAL ABDULHADİ, Almessiere M.A., Slimani Yasin, güngüneş hakan (2020). Impact of Eu³⁺ ion substitution on structural, magnetic and microwave traits of Ni-Cu-Zn spinel ferrites. ceramics international, 46, 11144, Doi: 10.1016/j.ceramint.2020.01.132 (Yayın No: 8483450)
152. BAYKAL ABDULHADİ, Almessiere M.A., Slimani Yasin (2020). Influence of the dysprosium ions on structure, magnetic characteristics and origin of the reflection losses in the Ni-Co spinels,. J. Alloys Compd., 841, 155667, Doi: 10.1016/j.jallcom.2020.155667 (Yayın No: 8483717)
153. BAYKAL ABDULHADİ, Slimani Yasin, Almessiere M.A., Shirsath S.E. (2020). Synthesis, characterization and magnetic investigation of Er-substituted electrospun NiFe₂O₄ nanofibers. Physica scripta, 95, 75801, Doi: 10.1088/1402-4896/ab8b7d (Yayın No: 8483584)
154. BAYKAL ABDULHADİ, ÜNAL BAYRAM, Almessiere M.A., Slimani Yasin, Korkmaz Ayse Demir (2020). Effect of thulium substitution on conductivity and dielectric belongings of nanospinel cobalt ferrite. Journal of rare earths, 38, 1103, Doi: 10.1016/j.jre.2019.09.011 (Yayın No: 8483122)
155. BAYKAL ABDULHADİ, Almessiere M.A., Slimani Yasin, E. Hannachi E. Hannachi (2020). AC susceptibility investigation of YBCO superconductor added by carbon nanotubes. Journal of alloys and compounds, 812, 152150, Doi: 10.1016/j.jallcom.2019.152150 (Yayın No: 8483168)
156. BAYKAL ABDULHADİ, Almessiere M.A., Slimani Yasin, güngüneş hakan, nawaz muhammed (2020). Tb³⁺ substituted strontium hexaferrites: Structural, magnetic and optical investigation and cation distribution. Elsevier BV, 38, Doi: 10.1016/j.jre.2019.06.007 (Yayın No: 8457645)
157. BAYKAL ABDULHADİ, Almessiere M.A., güngüneş hakan, Slimani Yasin (2020). Co-substitution of zirconium and neodymium on hyperfine interactions and AC susceptibility of SrFe₁₂O₁₉ nanohexaferrites. Elsevier BV, 38, Doi: 10.1016/j.jre.2019.04.018 (Yayın No: 8457294)

Uluslararası hakemli dergilerde yayımlanan makaleler:

158. BAYKAL ABDULHADİ, Almessiere M.A., Slimani Yasin (2020). Y.Slimani, M.A. Almessiere, Sagar E. Shirsath, E. Hannachi, G. Yasin, A. Baykal, B. Ozçelik, I. Ercan, Investigation of structural, morphological, optical, magnetic and dielectric properties of $(1-x)\text{BaTiO}_3/x\text{Sr}_0.92\text{Ca}_0.04\text{Mg}_0.04\text{Fe}_2\text{O}_4$ composites. *J. Magn. Magn. Mater.*.
. *J. Magn. Magn. Mater.*, 510, 166933, Doi: 10.1016/j.jeurceramsoc.2020.04.036 (Yayın No: 8483604)
159. BAYKAL ABDULHADİ, Almessiere M.A., Slimani Yasin, Korkmaz Ayse Demir, Shirsath S.E. (2020). Investigation of structural and physical properties of Eu^{3+} ions substituted $\text{Ni}_0.4\text{Cu}_0.2\text{Zn}_0.4\text{Fe}_2\text{O}_4$ spinel ferrite nanoparticles prepared via sonochemical approach. *Results in Physics*, 17, 103061, Doi: 10.1016/j.rinp.2020.103061 (Yayın No: 8483521)
160. BAYKAL ABDULHADİ, Almessiere M.A., Slimani Yasin, Korkmaz Ayse Demir, GÜNER SADIK (2020). Comparative study of sonochemically synthesized Co-Zr and Ni-Zr substituted Sr-hexaferrites: Magnetic and structural investigations. *J. Magn. Magn. Mater.*, 497, 165996, Doi: 10.1016/j.jmmm.2019.165996 (Yayın No: 8483253)
161. BAYKAL ABDULHADİ, Slimani Yasin, Almessiere M.A. (2020). M. Azam Ansari, H. Albetran, M. Alheshibri, A. Timoumi, N. Algarou, S. Akhtar, Y. Slimani, M. A. Almessiere, F. Al-Ahmari, A. Baykal, I. Low, Synthesis of electrospun TiO_2 nanofibers and characterization of their antibacterial and antibiofilm potential against drug resistant Gram-positive and Gram-negative Bacteria, *. Antibiotics*, 9, 572, Doi: 10.3390/antibiotics9090572 (Yayın No: 8483953)
162. BAYKAL ABDULHADİ, Almessiere M.A., Slimani Yasin, Shirsath S.E., güngüneş hakan (2020). Magnetic properties, anticancer and antibacterial effectiveness of sonochemically produced $\text{Ce}^{3+}/\text{Dy}^{3+}$ co-activated Mn-Zn nanospinel ferrites. *Arabian Journal of Chemistry*, 30, 7403, Doi: 10.1016/j.arabj.2020.08.017 (Yayın No: 8483924)
163. BAYKAL ABDULHADİ, Almessiere M.A. (2020). Freestanding electrospun carbon nanofibers uniformly decorated with bimetallic alloy nanoparticles as super capacitor electrode, *Journal of Energy Storage*. *Journal of Energy Storage*, 32, 101671, Doi: 10.1016/j.est.2020.101671 (Yayın No: 8483801)
164. BAYKAL ABDULHADİ, Almessiere M.A., güngüneş hakan (2020). M.A. Almessiere, Y. Slimani, A.V. Trukhanov, A. Baykal, H. Gungunes, E.L. Trukhanova, S.V. Trukhanov, V.G. Kostishin, Strong correlation between Dy^{3+} concentration, structure, magnetic and microwave properties of the $[\text{Ni}_0.5\text{Co}_0.5](\text{Dy}_x\text{Fe}_{2-x})\text{O}_4$ nanosized ferrites,. *Journal of Industrial and Engineering Chemistry*, 90, 251, Doi: 10.1016/j.jiec.2020.07.020 (Yayın No: 8483814)
165. BAYKAL ABDULHADİ, Almessiere M.A., Slimani Yasin, E. Hannachi E. Hannachi, Manikandan A (2020). M.A. Almessiere, E. Hannachi, Y. Slimani, G. Yassin, M. Mumtaz, M.R. Koblischka, A. Koblischka-Veneva, A. Manikandan, A. Baykal, Dimensionality and superconducting parameters of $\text{YBa}_2\text{Cu}_3\text{O}_{7-d}/(\text{WO}_3 \text{ NPs})_x$ composites deduced from excess conductivity analysis, *Mat. Chem. Phys.* 243 (2020) 122665. *Materials Chemistry and Physics*, 243, 122665, Doi: 10.1016/j.jmmm.2019.166308 (Yayın No: 8483440)
166. BAYKAL ABDULHADİ, Almessiere M.A., Slimani Yasin, Shirsath S.E. (2020). M.A. Almessiere, Y. Slimani, Sagar E. Shirsath, Y.S. Wudil, A. Baykal, I. Ercan, Customized magnetic properties of $(\text{Mn}_0.5\text{Zn}_0.5)[\text{Eu}_x\text{Nd}_x\text{Fe}_{2-2x}]\text{O}_4$ nanospinel ferrites synthesized via ultrasonic irradiation approach, *Results in Physics*. *Results in Physics*, 19, 103350, Doi: 10.1016/j.rinp.2020.103350 (Yayın No: 8483941)
167. BAYKAL ABDULHADİ (2020). CoFe Nanoparticles in Carbon Nanofibers as an Electrode for Ultra-Stable Supercapacitor. *Journal of Inorganic and Organometallic Polymers and Materials*, 30, 3068, Doi: 10.1007/s10904-020-01524-7 (Yayın No: 8483553)
168. BAYKAL ABDULHADİ, Almessiere M.A., Slimani Yasin (2020). Peculiarities of the microwave properties of hard-soft functional composites $\text{SrTb}_0.01\text{Tm}_0.01\text{Fe}_{1.98}\text{O}_{19}\text{-AFe}_2\text{O}_4$ (A = Co, Ni, Zn, Cu, or Mn). *RSC Adv.*, 10, 32638, Doi: 10.1039/D0RA05087C (Yayın No: 8483893)
169. BAYKAL ABDULHADİ, ÜNAL BAYRAM, Almessiere M.A., Slimani Yasin, Korkmaz Ayse Demir (2020). N.A. Algarou, Y Slimani, M.A. Almessiere, S. Rehman, M. Younas, B. Ünal, A. Demir Korkmaz, M.A. Gundal, A.V. Trukhanov, A. Baykal, I. Nahvi, Developing the magnetic, dielectric and anticandidal characteristics of $\text{SrFe}_2\text{O}_4/(\text{Mg}_0.5\text{Cd}_0.5\text{Dy}_0.03\text{Fe}_{1.97}\text{O}_4)_x$ hard/soft ferrite nanocomposites,. *Journal of the Taiwan Institute of Chemical Engineers*, 113, 344, Doi: 10.1016/j.jtice.2020.07.022 (Yayın No: 8483842)
170. TOMBULOĞLU HÜSEYİN, Almessiere M.A., Slimani Yasin, BAYKAL ABDULHADİ (2020). Magnetic Behavior and Nutrient Content Analyses of Barley (*Hordeum vulgare* L.) Tissues upon $\text{CoNd}_0.2\text{Fe}_{1.8}\text{O}_4$ Magnetic Nanoparticle Treatment. *Journal of Soil Science and Plant Nutrition*, 20, 357, Doi: 10.1007/s42729-019-00115-x (Yayın No: 8483191)

Uluslararası hakemli dergilerde yayımlanan makaleler:

171. BAYKAL ABDULHADİ, Almessiere M.A., Slimani Yasin, GÜNER SADIK, Shirsath S.E. (2020). Magnetic and microstructural features of Dy³⁺ substituted NiFe₂O₄ nanoparticles derived by sol-gel approach . Journal of Sol-Gel Science and Technology, 95, 202, Doi: 10.1007/s10971-020-05292-1 (Yayın No: 8483560)
172. BAYKAL ABDULHADİ, Slimani Yasin, Almessiere M.A. (2020). Exchange-coupling behavior in SrTb_{0.01}Tm_{0.01}Fe_{11.98}O₁₉(CoFe₂O₄)_x hard/soft nanocomposites. New J. Chem., 2020,44, 5800-5808, 44, 5800, Doi: 10.1039/d0nj00109k (Yayın No: 8483512)
173. BAYKAL ABDULHADİ, Slimani Yasin, Almessiere M.A., TOMBULOĞLU HÜSEYİN, Korkmaz Ayse Demir (2020). Engineered magnetic nanoparticles enhance chlorophyll content and growth of barley through the induction of photosystem genes. Environmental Science and Pollution Research, 27, 34311, Doi: 10.1007/s11356-020-09693-1 (Yayın No: 8483746)
174. BAYKAL ABDULHADİ, Almessiere M.A., Slimani Yasin, Korkmaz Ayse Demir, Shirsath S.E. (2020). M.A. Almessiere, Y. Slimani, A.V. Trukhanov, A. Demir Korkmaz, S. Guner, S. Akhtar, Sagar E. Shirsath, A. Baykal, I. Ercan, Effect of Nd-Y co-substitution on structural,magnetic, optical and microwave properties of NiCuZn nanospinel ferrites, J. Mater. Res. Technol.. J. Mater. Res. Technol., 9, 11278, Doi: 10.1016/j.jmrt.2020.08.027 (Yayın No: 8483935)
175. BAYKAL ABDULHADİ, Almessiere M.A., Slimani Yasin, Auwal İ.A. (2020). Munirah A. Almessiere, Yassine Slimani, İsmail A. Auwal, Sagar E. Shirsath, Ayyar Manikandan, Abdulhadi Baykal, Bekir Özçelik, İsmail Ercan, Sergei V. Trukhanov, Denis A. Vinnik, Alex V. Trukhanov, Impact of Tm³⁺ and Tb³⁺ rare earth cations on the structure and magnetic parameters of Co-Ni nanospinel ferrite, Nanomaterials. Nanomaterials, 10, 2384, Doi: 10.3390/nano10122384 (Yayın No: 8484004)
176. BAYKAL ABDULHADİ, Almessiere M.A., Slimani Yasin (2020). Correlation between entropy state, crystal structure, magnetic and electrical properties in M-type Ba-hexaferrites. Journal of the European Ceramic Society, 40, 4022, Doi: 10.1016/j.jeurceramsoc.2020.04.036 (Yayın No: 8483595)
177. BAYKAL ABDULHADİ, GÜNER SADIK, Slimani Yasin, Almessiere M.A. (2020). Influence of Tm-Tb substitution on magnetic and optical properties of Ba-Sr hexaferrites prepared by ultrasonic assisted citrate sol-gel approach. Materials chemistry and physics, 253, 123324, Doi: 10.1016/j.matchemphys.2020.123324 (Yayın No: 8483724)
178. BAYKAL ABDULHADİ, Almessiere M.A., Manikandan A (2020). Functional Sr_{0.5}Ba_{0.5}Sm_{0.02}Fe_{11.98}O₄/x(Ni_{0.8}Zn_{0.2}Fe₂O₄) hard-soft ferrite nanocomposites: structure, magnetic and microwave properties, Nanomaterials . Nanomaterials, 10, 2134, Doi: 10.3390/nano10112134 (Yayın No: 8483977)
179. BAYKAL ABDULHADİ, Almessiere M.A., Slimani Yasin, Shirsath S.E. (2020). Synthesis of Dy-Y co-substituted manganese-zinc spinel nanoferrites induced anti-bacterial and anti-cancer activities: Comparison between sonochemical and sol-gel auto-combustion methods . Materials Science & Engineering C, 116, 111186, Doi: 10.1016/j.msec.2020.111186 (Yayın No: 8483757)
180. BAYKAL ABDULHADİ, Slimani Yasin, Slimani Yasin, güngüneş hakan, Shirsath S.E. (2020). F. Alahmari, M.A. Almessiere, Y. Slimani, H. Güngüneş, Sagar E. Shirsath, S. Akhtar, M. Jaremko, A. Baykal, Synthesis and characterization of electrospun Ni_{0.5}Co_{0.5}-xCdxNd_{0.02}Fe_{1.78}O₄ nanofibers, Nano-Structures & Nano-Objects 24 (2020) 100542. Nano-Structures & Nano-Objects, 24, 100542, Doi: 10.1016/j.nanoso.2020.100542 (Yayın No: 8483908)
181. BAYKAL ABDULHADİ, nawaz muhammed, Slimani Yasin (2019). Tailored microstructures, optical and magnetic qualities of strontium hexaferrites: Consequence of Tm³⁺ and Tb³⁺ ions Co-substitution. Elsevier BV, 45, Doi: 10.1016/j.ceramint.2019.07.126 (Yayın No: 8457658)
182. BAYKAL ABDULHADİ, Almessiere M.A., GÜNER SADIK, nawaz muhammed, Slimani Yasin (2019). Effect of Nb substitution on magneto-optical properties of Co_{0.5}Mn_{0.5}Fe₂O₄ nanoparticles. Elsevier BV, 1195, Doi: 10.1016/j.molstruc.2019.05.075 (Yayın No: 8457331)
183. BAYKAL ABDULHADİ, Almessiere M.A., Slimani Yasin, GÜNER SADIK, Korkmaz Ayse Demir, Shirsath S.E. (2019). Sonochemical synthesis and physical properties of Co_{0.3}Ni_{0.5}Mn_{0.2}EuxFe_{2-x}O₄ nano-spinel ferrites. Elsevier BV, 58, Doi: 10.1016/j.ultsonch.2019.104654 (Yayın No: 8457654)
184. BAYKAL ABDULHADİ, Almessiere M.A., Korkmaz Ayse Demir, Slimani Yasin, Shirsath S.E. (2019). Sonochemical synthesis of Eu³⁺ substituted CoFe₂O₄ nanoparticles and their structural, optical and magnetic properties. ULTRASONICS SONOCHEMISTRY, 58, Doi: 10.1016/j.ultsonch.2019.104621 (Yayın No: 8457638)
185. BAYKAL ABDULHADİ, Almessiere M.A., Slimani Yasin, Shirsath S.E., GÜNER SADIK (2019). Structural, magnetic, optical properties and cation distribution of nanosized Co_{0.7}Zn_{0.3}TmxFe_{2-x}O₄ (0.0 ≤ x ≤ 0.04) spinel ferrites synthesized by ultrasonic irradiation. Elsevier BV, 58, Doi: 10.1016/j.ultsonch.2019.104638 (Yayın No: 8457649)
186. BAYKAL ABDULHADİ, TOMBULOĞLU HÜSEYİN, Almessiere M.A., Slimani Yasin, Korkmaz Ayse Demir, sözeri hüseyin (2019). Impact of calcium and magnesium substituted strontium nano-hexaferrite on mineral uptake, magnetic character, and physiology of barley (Hordeum

Uluslararası hakemli dergilerde yayımlanan makaleler:

- vulgare L.). *Ecotoxicology and Environmental Safety*, 186, 109751, Doi: 10.1016/j.ecoenv.2019.109751 (Yayın No: 8483203)
187. BAYKAL ABDULHADİ, Almessiere M.A., Slimani Yasin, ÜNAL BAYRAM (2019). The Conductivity and Dielectric Properties of Neobium Substituted Sr-Hexaferrites. *Nanomaterials*, 9, 1168, Doi: 10.3390/nano9081168 (Yayın No: 8483109)
188. BAYKAL ABDULHADİ, Almessiere M.A., Slimani Yasin, GÜNER SADIK, Korkmaz Ayse Demir, Shirsath S.E. (2019). Sonochemical synthesis of Dy³⁺ substituted Mn_{0.5}Zn_{0.5}Fe_{2-x}O₄ nanoparticles: Structural, magnetic and optical characterizations. *Ultrasonic Sonochemistry*, 61, 104836, Doi: 10.1016/j.ultsonch.2019.104836 (Yayın No: 8483276)
189. BAYKAL ABDULHADİ, Slimani Yasin, Almessiere M.A. (2019). Fabrication of Spinel Cobalt Ferrite (CoFe₂O₄) Nanoparticles with Unique Earth Element Cerium and Neodymium for Anticandidal Activities. *chemistry select*, 4, 14329, Doi: 10.1002/slct.201901811 (Yayın No: 8483325)
190. BAYKAL ABDULHADİ, Almessiere M.A., nawaz muhammed, Slimani Yasin (2019). Structural, magnetic, optical properties and cation distribution of nanosized Ni_{0.3}Cu_{0.3}Zn_{0.4}Tm_xFe_{2-x}O₄ (0.0 ≤ x ≤ 0.10) spinel ferrites synthesized by ultrasound irradiation. *Elsevier BV*, 57, Doi: 10.1016/j.ultsonch.2019.05.001 (Yayın No: 8457305)
191. BAYKAL ABDULHADİ, ÜNAL BAYRAM, Almessiere M.A., Slimani Yasin (2019). Electrical properties of La³⁺ and Y³⁺ ions substituted Ni_{0.3}Cu_{0.3}Zn_{0.4}Fe₂O₄ nanospinel ferrites. *Results in Physics*, 15, 102755, Doi: 10.1016/j.rinp.2019.102755 (Yayın No: 8483215)
192. BAYKAL ABDULHADİ, TOMBULOĞLU HÜSEYİN, Almessiere M.A., Slimani Yasin (2019). Ce-Nd Co-substituted nanospinel cobalt ferrites: An investigation of their structural, magnetic, optical, and apoptotic properties. *Elsevier BV*, 45, Doi: 10.1016/j.ceramint.2019.05.133 (Yayın No: 8457320)
193. BAYKAL ABDULHADİ, Almessiere M.A., Slimani Yasin, Korkmaz Ayse Demir, güngüneş hakan, Shirsath S.E., sözeri hüseyin, Manikandan A (2019). Impact of La³⁺ and Y³⁺ ion substitutions on structural, magnetic and microwave properties of Ni_{0.3}Cu_{0.3}Zn_{0.4}Fe₂O₄ nanospinel ferrites synthesized via sonochemical route. *RSC Adv.*, 9, 30671, Doi: 10.1039/C9RA06353F (Yayın No: 8483183)
194. BAYKAL ABDULHADİ, Almessiere M.A., ÜNAL BAYRAM, Korkmaz Ayse Demir (2019). Electrical and dielectric properties of Nb³⁺ ions substituted Ba-hexaferrites. *Elsevier BV*, 14, Doi: 10.1016/j.rinp.2019.102468 (Yayın No: 8457657)
195. BAYKAL ABDULHADİ, Almessiere M.A., Slimani Yasin (2019). Synthesis of Mn_{0.5}Zn_{0.5}S_mxEu_xFe_{1.8-2x}O₄ Nanoparticles via the Hydrothermal Approach Induced Anti-Cancer and Anti-Bacterial Activities. *nanomaterials*, 9, 1638, Doi: 10.3390/nano9111635 (Yayın No: 8457300)
196. BAYKAL ABDULHADİ, Almessiere M.A., Manikandan A, Slimani Yasin (2019). Structural, magnetic and electrochemical characterizations of Bi₂Mo₂O₉ nanoparticle for supercapacitor application. *Elsevier BV*, 486, Doi: 10.1016/j.jmmm.2019.165254 (Yayın No: 8457300)
197. BAYKAL ABDULHADİ, Almessiere M.A., Slimani Yasin, E. Hannachi E. Hannachi, Manikandan A (2019). Flux pinning properties of YBCO added by WO₃ nanoparticles. *Journal of alloys and compounds*, 810, 151884, Doi: 10.1016/j.jallcom.2019.151884 (Yayın No: 8483115)
198. BAYKAL ABDULHADİ, Almessiere M.A., Slimani Yasin, Manikandan A, GÜNER SADIK, Korkmaz Ayse Demir, Shirsath S.E., güngüneş hakan (2019). Ni_{0.4}Cu_{0.2}Zn_{0.4}Tb_xFe_{2-x}O₄ nanospinel ferrites: Ultrasonic synthesis and physical properties. *Ultrasonic Sonochemistry*, 59, 104757, Doi: 10.1016/j.ultsonch.2019.104757 (Yayın No: 8483160)
199. BAYKAL ABDULHADİ, GÜNER SADIK, Almessiere M.A., Slimani Yasin (2019). Effect of dysprosium substitution on magnetic and structural properties of NiFe₂O₄ nanoparticles. *Elsevier BV*, 37, Doi: 10.1016/j.jre.2018.10.009 (Yayın No: 8454393)
200. BAYKAL ABDULHADİ, ÜNAL BAYRAM, Almessiere M.A., Slimani Yasin (2019). The Conductivity and Dielectric Properties of Neobium Substituted Sr-Hexaferrites. *MDPI AG*, 9, Doi: 10.3390/nano9081168 (Yayın No: 8454397)
201. BAYKAL ABDULHADİ, Almessiere M.A. (2019). Viewing the Emphasis on State-of-the-Art Magnetic Nanoparticles: Synthesis, Physical Properties, and Applications in Cancer Theranostics. *Bentham Science Publishers Ltd.*, 25, Doi: 10.2174/1381612825666190523105004 (Yayın No: 8457634)
202. BAYKAL ABDULHADİ, Almessiere M.A., Slimani Yasin (2019). Morphology and magnetic traits of strontium nanohexaferrites: Effects of manganese/yttrium co-substitution. *Elsevier BV*, 37, Doi: 10.1016/j.jre.2018.09.014 (Yayın No: 8454382)
203. BAYKAL ABDULHADİ, Almessiere M.A., nawaz muhammed, Slimani Yasin (2019). Exploration of catalytic and cytotoxicity activities of Ca_xMg_xNi_{1-2x}Fe₂O₄ nanoparticles. *Elsevier BV*, 196, Doi: 10.1016/j.jphotobiol.2019.05.003 (Yayın No: 8457316)
204. BAYKAL ABDULHADİ, Almessiere M.A., Slimani Yasin, Korkmaz Ayse Demir, nawaz muhammed, Shirsath S.E., güngüneş hakan (2019). Ca²⁺/Mg²⁺ co-substituted strontium nanohexaferrites: magnetic

Uluslararası hakemli dergilerde yayımlanan makaleler:

- investigation and Mossbauer analysis
. Journal of Sol-Gel Science and Technology, 92, 239, Doi: 10.1007/s10971-019-05091-3 (Yayın No: 8483091)
205. BAYKAL ABDULHADİ, TOMBULOĞLU HÜSEYİN, Slimani Yasin, Almessiere M.A. (2019). Uptake and translocation of magnetite (Fe₃O₄) nanoparticles and its impact on photosynthetic genes in barley (*Hordeum vulgare* L.). Elsevier BV, 226, Doi: 10.1016/j.chemosphere.2019.03.075 (Yayın No: 8457255)
 206. Almessiere M.A., BAYKAL ABDULHADİ, Slimani Yasin, güngüneş hakan, nawaz muhammed (2019). Tailored microstructures, optical and magnetic qualities of strontium hexaferrites: Consequence of Tm³⁺ and Tb³⁺ ions Co-substitution. ceramic international, 45(10), 21385-21394., Doi: 10.1016/j.ceramint.2019.07.126 (Yayın No: 8483062)
 207. BAYKAL ABDULHADİ, Almessiere M.A., Slimani Yasin, GÜNER SADIK, Shirsath S.E., Slimani Yasin (2019). Structural, optical and magnetic properties of Tb³⁺ substituted Co nanoferrites prepared via sonochemical approach. ceramics International, 45, 22538, Doi: 10.1016/j.ceramint.2019.07.280 (Yayın No: 8483101)
 208. BAYKAL ABDULHADİ, Almessiere M.A., Slimani Yasin, E. Hannachi E. Hannachi, Manikandan A (2019). AC susceptibility, DC magnetization and superconducting properties of tungsten oxide nanowires added YBa₂Cu₃O_y. ceramics international, 45(10), 21864 (Yayın No: 8483070)
 209. Almessiere M.A., Slimani Yasin, güngüneş hakan, Manikandan A, BAYKAL ABDULHADİ (2019). Investigation of the effects of Tm³⁺ on the structural, microstructural, optical, and magnetic properties of Sr hexaferrites. Elsevier BV, 13, Doi: 10.1016/j.rinp.2019.102166 (Yayın No: 8457216)
 210. BAYKAL ABDULHADİ, Almessiere M.A., Slimani Yasin (2019). Study of tungsten oxide effect on the performance of BaTiO₃ ceramics. Springer Science and Business Media LLC, 30, Doi: 10.1007/s10854-019-01718-x (Yayın No: 8457651)
 211. BAYKAL ABDULHADİ, Almessiere M.A., Slimani Yasin, TOMBULOĞLU HÜSEYİN, Korkmaz Ayse Demir (2019). Impact of superparamagnetic iron oxide nanoparticles (SPIONs) and ionic iron on physiology of summer squash (*Cucurbita pepo*): A comparative study. Elsevier BV, 139, Doi: 10.1016/j.plaphy.2019.03.011 (Yayın No: 8457243)
 212. BAYKAL ABDULHADİ, ÜNAL BAYRAM, Slimani Yasin, nawaz muhammed (2019). Frequency and dc bias voltage dependent dielectric properties and electrical conductivity of BaTiO₃SrTiO₃(SiO₂)_x nanocomposites. Elsevier BV, 45, Doi: 10.1016/j.ceramint.2019.03.092 (Yayın No: 8457260)
 213. BAYKAL ABDULHADİ, Almessiere M.A., güngüneş hakan, Slimani Yasin (2019). AC susceptibility and hyperfine interactions of Mg-Ca ions co-substituted BaFe₁₂O₁₉ nano-hexaferrites. Elsevier BV, 45, Doi: 10.1016/j.ceramint.2019.02.050 (Yayın No: 8457176)
 214. BAYKAL ABDULHADİ, Almessiere M.A., nawaz muhammed, Slimani Yasin (2019). The impact of Zr substituted Sr hexaferrite: Investigation on structure, optic and magnetic properties. Elsevier BV, 13, Doi: 10.1016/j.rinp.2019.102244 (Yayın No: 8457272)
 215. BAYKAL ABDULHADİ, Almessiere M.A. (2019). Influence of the charge ordering and quantum effects in heterovalent substituted hexaferrites on their microwave characteristics. Elsevier BV, 788, Doi: 10.1016/j.jallcom.2019.02.303 (Yayın No: 8457205)
 216. BAYKAL ABDULHADİ, Almessiere M.A., Slimani Yasin, GÜNER SADIK, Slimani Yasin (2019). Structural, optical and magnetic properties of Tm³⁺ substituted cobalt spinel ferrites synthesized via sonochemical approach. Elsevier BV, 54, Doi: 10.1016/j.ultsonch.2019.02.022 (Yayın No: 8457200)
 217. BAYKAL ABDULHADİ, Almessiere M.A., Slimani Yasin, güngüneş hakan (2019). Structure, Mössbauer and AC susceptibility of strontium nano-hexaferrites: Effect of vanadium ions doping. Elsevier BV, 45, Doi: 10.1016/j.ceramint.2019.03.033 (Yayın No: 8457236)
 218. BAYKAL ABDULHADİ, Almessiere M.A., Slimani Yasin, Korkmaz Ayse Demir (2019). Sonochemical Synthesis of CoFe₂-xNd_xO₄ Nanoparticles: Structural, Optical, and Magnetic Investigation. elsevier, 32, Doi: 10.1007/s10948-019-05147-z (Yayın No: 8457327)
 219. BAYKAL ABDULHADİ, güngüneş hakan, Slimani Yasin, Almessiere M.A. (2019). Magnetic Attributes of NiFe₂O₄ Nanoparticles: Influence of Dysprosium Ions (Dy³⁺) Substitution. MDPI AG, 9, Doi: 10.3390/nano9060820 (Yayın No: 8457640)
 220. BAYKAL ABDULHADİ, TOMBULOĞLU HÜSEYİN, Almessiere M.A., sözeri hüseyin (2019). Tracking of NiFe₂O₄ nanoparticles in barley (*Hordeum vulgare* L.) and their impact on plant growth, biomass, pigmentation, catalase activity, and mineral uptake. Elsevier BV, 11, Doi: 10.1016/j.enmm.2019.100223 (Yayın No: 8457264)
 221. BAYKAL ABDULHADİ, Almessiere M.A., GÜNER SADIK, Slimani Yasin (2019). Effect of Nb³⁺ ion substitution on the magnetic properties of SrFe₁₂O₁₉ hexaferrites. Springer Science and Business Media LLC, 30, Doi: 10.1007/s10854-019-01464-0 (Yayın No: 8457310)
 222. BAYKAL ABDULHADİ, Almessiere M.A., Manikandan A, Slimani Yasin (2019). Enhanced magnetic property and antibacterial biomedical activity of Ce³⁺ doped CuFe₂O₄ spinel nanoparticles

Uluslararası hakemli dergilerde yayımlanan makaleler:

- synthesized by sol-gel method. Elsevier BV, 478, Doi: 10.1016/j.jmmm.2019.01.108 (Yayın No: 8457166)
223. BAYKAL ABDULHADİ, GÜNER SADIK, Almessiere M.A., nawaz muhammed, Slimani Yasin (2019). Magnetic and structural characterization of Nb³⁺-substituted CoFe₂O₄ nanoparticles. Elsevier BV, 45, Doi: 10.1016/j.ceramint.2019.01.125 (Yayın No: 8457158)
224. BAYKAL ABDULHADİ, Almessiere M.A., nawaz muhammed, Slimani Yasin (2019). Effect of bimetallic (Ca, Mg) substitution on magneto-optical properties of NiFe₂O₄ nanoparticles. Elsevier BV, 45, Doi: 10.1016/j.ceramint.2018.12.072 (Yayın No: 8454412)
225. BAYKAL ABDULHADİ, Almessiere M.A., Slimani Yasin (2019). Impact of ZnO addition on structural, morphological, optical, dielectric and electrical performances of BaTiO₃ ceramics. Springer Science and Business Media LLC, 30, Doi: 10.1007/s10854-019-01284-2 (Yayın No: 8457289)
226. BAYKAL ABDULHADİ, Manikandan A (2019). Structural, morphological, enhanced magnetic properties and antibacterial bio-medical activity of rare earth element (REE) cerium (Ce³⁺) doped CoFe₂O₄ nanoparticles. Elsevier BV, 476, Doi: 10.1016/j.jmmm.2018.09.089 (Yayın No: 8454376)
227. BAYKAL ABDULHADİ, Almessiere M.A., Slimani Yasin (2019). Improvement of flux pinning ability by tungsten oxide nanoparticles added in YBa₂Cu₃O_y superconductor. Elsevier BV, 45, Doi: 10.1016/j.ceramint.2018.12.176 (Yayın No: 8457151)
228. BAYKAL ABDULHADİ, Almessiere M.A., Slimani Yasin, TOMBULOĞLU HÜSEYİN, güngüneş hakan (2019). Tracking of SPIONs in Barley (*Hordeum vulgare* L.) Plant Organs During its Growth. Springer Science and Business Media LLC, 32, Doi: 10.1007/s10948-019-5059-7 (Yayın No: 8457185)
229. BAYKAL ABDULHADİ, Almessiere M.A., Korkmaz Ayse Demir, sözeri hüseyin (2019). Cr³⁺-substituted Ba nanohexaferrites as high-quality microwave absorber in X band. Elsevier BV, 779, Doi: 10.1016/j.jallcom.2018.11.309 (Yayın No: 8454404)
230. BAYKAL ABDULHADİ, Almessiere M.A., GÜNER SADIK (2019). Calcination effect on the magneto-optical properties of vanadium substituted NiFe₂O₄ nanoferrites. Springer Science and Business Media LLC, 30, Doi: 10.1007/s10854-019-01243-x (Yayın No: 8457280)
231. BAYKAL ABDULHADİ, Almessiere M.A., nawaz muhammed, Slimani Yasin (2019). Effect of Nb³⁺ Substitution on the Structural, Magnetic, and Optical Properties of Co_{0.5}Ni_{0.5}Fe₂O₄ Nanoparticles. MDPI AG, 9, Doi: 10.3390/nano9030430 (Yayın No: 8457249)
232. BAYKAL ABDULHADİ, Almessiere M.A. (2019). The effect of Nb substitution on magnetic properties of BaFe₁₂O₁₉ nanohexaferrites. Elsevier BV, 45, Doi: 10.1016/j.ceramint.2018.10.048 (Yayın No: 8454386)
233. BAYKAL ABDULHADİ, Almessiere M.A., Slimani Yasin, Manikandan A (2019). Influence of WO₃ nanowires on structural, morphological and flux pinning ability of YBa₂Cu₃O_y superconductor. Elsevier BV, 45, Doi: 10.1016/j.ceramint.2018.10.201 (Yayın No: 8454399)
234. BAYKAL ABDULHADİ, Almessiere M.A., Slimani Yasin (2019). Correlation Between Composition and Electrodynamics Properties in Nanocomposites Based on Hard/Soft Ferrimagnetics with Strong Exchange Coupling. MDPI AG, 9, Doi: 10.3390/nano9020202 (Yayın No: 8457170)
235. BAYKAL ABDULHADİ, Almessiere M.A., Slimani Yasin, Korkmaz Ayse Demir, nawaz muhammed (2019). Magneto-optical properties of rare earth metals substituted Co-Zn spinel nanoferrites. Elsevier BV, 45, Doi: 10.1016/j.ceramint.2018.10.260 (Yayın No: 8454403)
236. BAYKAL ABDULHADİ, Almessiere M.A., Slimani Yasin (2019). Microstructural and magnetic investigation of vanadium-substituted Sr-nanohexaferrite. Elsevier BV, 471, Doi: 10.1016/j.jmmm.2018.09.054 (Yayın No: 8454375)
237. Almessiere M.A., sözeri hüseyin, BAYKAL ABDULHADİ (2019). Influence of charge disproportionation on microwave characteristics of Zn-Nd substituted Sr-hexaferrites. Springer Science and Business Media LLC, 30, Doi: 10.1007/s10854-019-00989-8 (Yayın No: 8457188)
238. BAYKAL ABDULHADİ, Almessiere M.A., Slimani Yasin (2019). Impact of Nd-Zn co-substitution on microstructure and magnetic properties of SrFe₁₂O₁₉ nanohexaferrite. Elsevier BV, 45, Doi: 10.1016/j.ceramint.2018.09.272 (Yayın No: 8454378)
239. BAYKAL ABDULHADİ, Almessiere M.A., güngüneş hakan, Slimani Yasin (2018). Manganese/Yttrium Codoped Strontium Nanohexaferrites: Evaluation of Magnetic Susceptibility and Mossbauer Spectra. MDPI AG, 9, Doi: 10.3390/nano9010024 (Yayın No: 8457145)
240. BAYKAL ABDULHADİ, Almessiere M.A., sözeri hüseyin, Slimani Yasin (2018). Nd³⁺ Ion-Substituted Co_{1-2x}Ni_xMn_xFe_{2-y}Nd_yO₄ Nanoparticles: Structural, Morphological, and Magnetic Investigations. Springer Science and Business Media LLC, 29, Doi: 10.1007/s10904-018-1052-z (Yayın No: 8454415)
241. BAYKAL ABDULHADİ, TOMBULOĞLU HÜSEYİN, sözeri hüseyin, Slimani Yasin (2018). Impact of manganese ferrite (MnFe₂O₄) nanoparticles on growth and magnetic character of barley (*Hordeum vulgare* L.). Elsevier BV, 243, Doi: 10.1016/j.envpol.2018.08.096 (Yayın No: 8454372)

Uluslararası hakemli dergilerde yayımlanan makaleler:

242. BAYKAL ABDULHADİ, Almessiere M.A., ÜNAL BAYRAM (2018). Dielectric and microstructural properties of YAG:Dy³⁺ ceramics. Elsevier BV, 36, Doi: 10.1016/j.jre.2018.04.011 (Yayın No: 8454324)
243. BAYKAL ABDULHADİ, ÜNAL BAYRAM, Almessiere M.A. (2018). The impact of Eu³⁺ ion substitution on dielectric properties of Y_{3-x}Eu_xAl₅O₁₂ (0.00 ≤ x ≤ 0.10) ceramics. Springer Science and Business Media LLC, 30, Doi: 10.1007/s10854-018-0523-x (Yayın No: 8454407)
244. Manikandan A, BAYKAL ABDULHADİ (2018). Structural, morphological and magneto-optical properties of CuMoO₄ electrochemical nanocatalyst as supercapacitor electrode. Elsevier BV, 44, Doi: 10.1016/j.ceramint.2018.07.282 (Yayın No: 8454367)
245. BAYKAL ABDULHADİ, ÜNAL BAYRAM, Almessiere M.A. (2018). The effect of Yb³⁺ ion substitution on dielectric and microstructural properties of Y₃Al₅O₁₂ ceramics. Springer Science and Business Media LLC, 30, Doi: 10.1007/s10854-018-0327-z (Yayın No: 8454400)
246. BAYKAL ABDULHADİ, Almessiere M.A., Slimani Yasin (2018). Ca²⁺ and Mg²⁺ incorporated barium hexaferrites: structural and magnetic properties. Springer Science and Business Media LLC, 88, Doi: 10.1007/s10971-018-4853-1 (Yayın No: 8454390)
247. BAYKAL ABDULHADİ (2018). Magnetic Mesocellular Foam Functionalized by Curcumin for Potential Multifunctional Therapeutics. Springer Science and Business Media LLC, 32, Doi: 10.1007/s10948-018-4921-3 (Yayın No: 8454395)
248. BAYKAL ABDULHADİ, Almessiere M.A., Korkmaz Ayse Demir (2018). Development of Novel Nano-ZnO Enhanced Polymeric Membranes for Water Purification. Springer Science and Business Media LLC, 29, Doi: 10.1007/s10904-018-0988-3 (Yayın No: 8454380)
249. BAYKAL ABDULHADİ, Almessiere M.A., Slimani Yasin, güngüneş hakan (2018). AC susceptibility and hyperfine interactions of vanadium substituted barium nanohexaferrites. Elsevier BV, 44, Doi: 10.1016/j.ceramint.2018.06.242 (Yayın No: 8454351)
250. BAYKAL ABDULHADİ, Manikandan A (2018). Electrochemical and magneto-optical properties of cobalt molybdate nano-catalyst as high-performance supercapacitor. Elsevier BV, 44, Doi: 10.1016/j.ceramint.2018.06.240 (Yayın No: 8454349)
251. BAYKAL ABDULHADİ, Almessiere M.A., Slimani Yasin (2018). Structural, morphological and magnetic properties of hard/soft SrFe_{12-x}V_xO₁₉/(Ni_{0.5}Mn_{0.5}Fe₂O₄)_y nanocomposites: Effect of vanadium substitution. Elsevier BV, 767, Doi: 10.1016/j.jallcom.2018.07.212 (Yayın No: 8454360)
252. BAYKAL ABDULHADİ, Almessiere M.A., Slimani Yasin (2018). Exchange spring magnetic behavior of Sr_{0.3}Ba_{0.4}Pb_{0.3}Fe₁₂O₁₉/(CuFe₂O₄)_x nanocomposites fabricated by a one-pot citrate sol-gel combustion method. Elsevier BV, 762, Doi: 10.1016/j.jallcom.2018.05.232 (Yayın No: 8454339)
253. BAYKAL ABDULHADİ, Manikandan A (2018). Enhanced Magneto-optical and Antibacterial Studies of Bi_{1-x}Mg_xFeO₃ (0.0 ≤ x ≤ 0.15) Nanoparticles. Springer Science and Business Media LLC, 32, Doi: 10.1007/s10948-018-4842-1 (Yayın No: 8454365)
254. BAYKAL ABDULHADİ, Almessiere M.A., Slimani Yasin (2018). Structural and magnetic properties of Ce-Y substituted strontium nanohexaferrites. Elsevier BV, 44, Doi: 10.1016/j.ceramint.2018.04.045 (Yayın No: 8454314)
255. BAYKAL ABDULHADİ, nawaz muhammed, güngüneş hakan, Almessiere M.A., sözeri hüseyin, Shirsath S.E. (2018). Magneto-optical and microstructural properties of spinel cubic copper ferrites with Li-Al co-substitution. Elsevier BV, 44, Doi: 10.1016/j.ceramint.2018.05.028 (Yayın No: 8454333)
256. BAYKAL ABDULHADİ, Almessiere M.A., Slimani Yasin (2018). Investigation of Microstructural and Magnetic Properties of BaV_xFe_{12-x}O₁₉ Nanohexaferrites. Springer Science and Business Media LLC, 32, Doi: 10.1007/s10948-018-4856-8 (Yayın No: 8454370)
257. BAYKAL ABDULHADİ, Almessiere M.A., Slimani Yasin (2018). Ce-Y co-substituted strontium nanohexaferrites: AC susceptibility and Mossbauer studies. Elsevier BV, 44, Doi: 10.1016/j.ceramint.2018.04.046 (Yayın No: 8454316)
258. BAYKAL ABDULHADİ, Manikandan A (2018). Facile combustion synthesis, structural, morphological, optical and antibacterial studies of Bi_{1-x}Al_xFeO₃ (0.0 ≤ x ≤ 0.15) nanoparticles. Elsevier BV, 44, Doi: 10.1016/j.ceramint.2018.04.153 (Yayın No: 8454319)
259. BAYKAL ABDULHADİ, Korkmaz Ayse Demir, GÜNER SADIK, Slimani Yasin, güngüneş hakan, Manikandan A (2018). Microstructural, Optical, and Magnetic Properties of Vanadium-Substituted Nickel Spinel Nanoferrites. Springer Science and Business Media LLC, 32, Doi: 10.1007/s10948-018-4793-6 (Yayın No: 8454356)
260. BAYKAL ABDULHADİ, Slimani Yasin, Manikandan A (2018). Effect of Cr³⁺ substitution on AC susceptibility of Ba hexaferrite nanoparticles. Elsevier BV, 458, Doi: 10.1016/j.jmmm.2018.03.025 (Yayın No: 8454312)
261. BAYKAL ABDULHADİ, güngüneş hakan, GÜNER SADIK, amir Md, Manikandan A (2018). Magneto Optical Properties and Hyperfine Interactions of Cr³⁺ Ion Substituted Copper Ferrite Nanoparticles. Springer Science and Business Media LLC, 28, Doi: 10.1007/s10904-018-0903-y (Yayın No: 8454348)

Uluslararası hakemli dergilerde yayımlanan makaleler:

- BAYKAL ABDULHADİ, güngüneş hakan, GÜNER SADIK, amir Md, Manikandan A (2018). Magneto Optical Properties and Hyperfine Interactions of Cr³⁺ Ion Substituted Copper Ferrite Nanoparticles. Springer Science and Business Media LLC, 28, Doi: 10.1007/s10904-018-0903-y (Yayın No: 8454348)
262. BAYKAL ABDULHADİ, Slimani Y, Almessiere M.A. (2018). Structural and magnetic properties of Ce-doped strontium hexaferrite. Elsevier BV, 44, Doi: 10.1016/j.ceramint.2018.02.101 (Yayın No: 8454298)
263. BAYKAL ABDULHADİ, Asiri Sarah (2018). Synthesis and Characterization of Antibacterial Activity of Spinel Chromium-Substituted Copper Ferrite Nanoparticles for Biomedical Application. Springer Science and Business Media LLC, 28, Doi: 10.1007/s10904-018-0889-5 (Yayın No: 8454343)
264. BAYKAL ABDULHADİ, Manikandan A (2018). Biogenic synthesis, characterization of gold and silver nanoparticles from *Coleus forskohlii* and their clinical importance. Elsevier BV, 183, Doi: 10.1016/j.jphotobiol.2018.04.042 (Yayın No: 8454327)
265. BAYKAL ABDULHADİ, Almessiere M.A., güngüneş hakan, Slimani Yasin (2018). AC susceptibility and Mossbauer study of Ce³⁺ ion substituted SrFe₁₂O₁₉ nano-hexaferrites. Elsevier BV, 44, Doi: 10.1016/j.ceramint.2018.03.064 (Yayın No: 8454311)
266. BAYKAL ABDULHADİ, Slimani Yasin, güngüneş hakan, sözeri hüseyin, Manikandan A (2018). Mössbauer Studies and Magnetic Properties of Cubic CuFe₂O₄ Nanoparticles. Springer Science and Business Media LLC, 32, Doi: 10.1007/s10948-018-4733-5 (Yayın No: 8454337)
267. BAYKAL ABDULHADİ (2018). Enhanced magneto-optical and photo-catalytic properties of transition metal cobalt (Co²⁺ ions) doped spinel MgFe₂O₄ ferrite nanocomposites. Elsevier BV, 452, Doi: 10.1016/j.jmmm.2018.01.001 (Yayın No: 8454274)
268. BAYKAL ABDULHADİ, GÜNER SADIK, Asiri Sarah, Korkmaz Ayse Demir, Almessiere M.A., güngüneş hakan, sözeri hüseyin (2018). Magneto-optical properties of Ba_{1-x}Cu_xFe₁₂O₁₉ (0.0 ≤ x ≤ 1.0) hexaferrites. Elsevier BV, 451, Doi: 10.1016/j.jmmm.2017.11.100 (Yayın No: 8454264)
269. BAYKAL ABDULHADİ, Asiri Sarah, GÜNER SADIK, güngüneş hakan, sözeri hüseyin, Almessiere M.A. (2018). Hydrothermal synthesis of Co_{0.2}Zn_{0.8}Mn_{1-2y}Fe₂O₄ nanoferrites: Magneto-optical investigation. Elsevier BV, 44, Doi: 10.1016/j.ceramint.2017.12.233 (Yayın No: 8454273)
270. BAYKAL ABDULHADİ, Manikandan A (2018). Enhanced Magneto-optical and Photocatalytic Properties of Ferromagnetic Mg_{1-y}Ni_yFe₂O₄ (0.0 ≤ y ≤ 1.0) Spinel Nano-ferrites. Springer Science and Business Media LLC, 31, Doi: 10.1007/s10948-018-4623-x (Yayın No: 8454308)
271. BAYKAL ABDULHADİ, nawaz muhammed (2018). The Effect of Folic Acid- and Caffeic Acid-Functionalized SPION on Different Cancer Cell Lines. Springer Science and Business Media LLC, 31, Doi: 10.1007/s10948-018-4618-7 (Yayın No: 8454306)
272. BAYKAL ABDULHADİ, GÜNER SADIK, Asiri Sarah, güngüneş hakan (2018). Structural, Optical and Mössbauer Study of Ba_{1-x}Cu_xFe₁₂O₁₉ (0.5 ≤ x) Nano Hexaferrites. Springer Science and Business Media LLC, 28, Doi: 10.1007/s10904-018-0794-y (Yayın No: 8454286)
273. BAYKAL ABDULHADİ, Almessiere M.A., güngüneş hakan, Asiri Sarah, sözeri hüseyin, Manikandan A (2018). Effect of Annealing Temperature on Magnetic and Mössbauer Properties of ZnFe₂O₄ Nanoparticles by Sol-gel Approach. Springer Science and Business Media LLC, 31, Doi: 10.1007/s10948-018-4610-2 (Yayın No: 8454301)
274. BAYKAL ABDULHADİ, Asiri Sarah, güngüneş hakan (2018). The Temperature Effect on Magnetic Properties of NiFe₂O₄ Nanoparticles. Springer Science and Business Media LLC, 28, Doi: 10.1007/s10904-018-0813-z (Yayın No: 8454293)
275. BAYKAL ABDULHADİ, Asiri Sarah, Korkmaz Ayse Demir (2018). Photocatalytic Degradation of Azo Dyes and Organic Contaminants in Wastewater Using Magnetically Recyclable Fe₃O₄@UA-Cu Nano-catalyst. Springer Science and Business Media LLC, 148, Doi: 10.1007/s10562-018-2322-7 (Yayın No: 8454288)
276. amir Md, BAYKAL ABDULHADİ (2018). Sensitive Determination of 6-Thioguanine Using Caffeic Acid-functionalized Fe₃O₄ Nanoparticles as an Electrochemical Sensor. Springer Science and Business Media LLC, 47, Doi: 10.1007/s11664-018-6076-1 (Yayın No: 8454279)
277. BAYKAL ABDULHADİ, Almessiere M.A., Slimani Y (2017). Investigation of Structural and Magnetic Properties on Mg_{1-x}Zn_xFe_{2-x}Al_xO₄ (0.0 ≤ x ≤ 0.8) Nanoparticles. Springer Science and Business Media LLC, 28, Doi: 10.1007/s10904-017-0764-9 (Yayın No: 8454268)
278. BAYKAL ABDULHADİ, Manikandan A (2017). Enhanced Opto-Magneto Properties of Ni_xMg_{1-x}Fe₂O₄ (0.0 ≤ x ≤ 1.0) Ferrites Nano-Catalysts. American Scientific Publishers, 12, Doi: 10.1166/jno.2017.2299 (Yayın No: 8454282)
279. BAYKAL ABDULHADİ, Asiri Sarah, GÜNER SADIK, amir Md (2017). Synthesis and Magnetic Characterization of Cu Substituted Barium Hexaferrites. Springer Science and Business Media LLC, 28, Doi: 10.1007/s10904-017-0735-1 (Yayın No: 8454260)
280. Y. Junejo, Sirajuddin, A. Baykal, M. Safdar (2014). A novel green synthesis and characterization of Ag NPs with its ultra rapid catalytic reduction of methyl green dye. APPLIED SURFACE SCIENCE, 290, 499-503. (Yayın No: 705282)

Uluslararası hakemli dergilerde yayımlanan makaleler:

- Y. Junejo, Sirajuddin, A. Baykal, M. Safdar (2014). A novel green synthesis and characterization of Ag NPs with its ultra rapid catalytic reduction of methyl green dye. *APPLIED SURFACE SCIENCE*, 290, 499-503. (Yayın No: 705282)
281. B. Ünal, A. Baykal (2014). Effect of Zn Substitution on Electrical Properties of Nanocrystalline Cobalt Ferrite. *Journal of Superconductivity and Novel Magnetism*, 27(2), 469-479. (Yayın No: 705191)
282. M. Demirelli, E. Karaoglu, A. Baykal, H. Sozeri (2014). M hexaferrite APTES Pd 0 Magnetically Recyclable Nano Catalysts MRCs. *Journal of Inorganic and Organometallic Polymers and Materials*, 23, 1274-1281. (Yayın No: 742485)
283. S. Shafiu, B. Ünal, A. Baykal (2014). The Ionic Liquid Based Synthesis of Polyaniline MnFe₂O₄ CTAB Nanocomposite Electrical Properties. *Journal of Inorganic and Organometallic Polymers and Materials*, 23, 1335-1340. (Yayın No: 742568)
284. S. Esir, R. Topkaya, A. Baykal, Ö. Akman, M. S. Toprak (2014). Magnetic Properties of Annealed CoFe₂O₄ Nanoparticles Synthesized by the PEG Assisted Route. *Journal of Inorganic and Organometallic polymers and materials*, 24, 424-430. (Yayın No: 704828)
285. A. Demir, A. Baykal, H. Sözeri, R. Topkaya (2014). Low temperature magnetic investigation of Fe₃O₄ nanoparticles lled into multiwalled carbon nanotubes. *Synthetic Metals*, 187, 75-80. (Yayın No: 705239)
286. M. Demirelli, E. Karaoğlu, A. Baykal, H. Sözeri, E. Uysal (2014). Synthesis characterization and catalytic activity of CoFe₂O₄ APTES Pd magnetic recyclable catalyst. *Journal of Alloys and Compounds*, 582, 201-207. (Yayın No: 742744)
287. Y. Junejo, A. Baykal, Sirajuddin (2014). Green Chemical Synthesis of Silver Nanoparticles and its Catalytic Activity. *Journal of Inorganic and Organometallic Polymers and Materials*, 24, 401-406. (Yayın No: 704906)
288. BAYKAL ABDULHADİ (2014). Solvothermal Synthesis of Pure SrFe₁₂O₁₉ Hexaferrite Nanoplatelets. *Journal of Superconductivity and Novel Magnetism*, 27(3), 877-880. (Yayın No: 705144)
289. S. Esir, S. Shafiu, R. Topkaya, A. Baykal (2013). Synthesis of Polyaniline MnFe₂O₄ CTAB Nanocomposite in Ionic Liquid Its Magnetic Properties. *Journal of Inorganic and Organometallic Polymers and Materials*, 23, 1368-1374. (Yayın No: 742427)
290. H. Kavas, M. Günay, A. Baykal, M. S. Toprak, H. Sozeri, B. Aktaş (2013). Negative Permittivity of Polyaniline Fe₃O₄ Nanocomposite. *Journal of Inorganic and Organometallic Polymers and Materials*, 23, 306-314. (Yayın No: 750561)
291. E. Karaoglu, M. M. Summak, A. Baykal, H. Sözeri, M.S. Toprak (2013). Synthesis and Characterization of Catalytically Activity Fe₃O₄ 3 Aminopropyl triethoxysilane Pd Nanocomposite. *Journal of Inorganic and Organometallic Polymers and Materials*, 23, 409-417. (Yayın No: 745863)
292. H. Sözeri, U. Kurtan, R. Topkaya, A. Baykal, M.S. Toprak (2013). Polyaniline PANI Co₀ 5Mn₀ 5Fe₂O₄ nanocomposite Synthesis characterization and magnetic properties evaluation. *Ceramics International*, 39, 5137-5143. (Yayın No: 745692)
293. R. Topkaya, A. Baykal, A. Demir (2013). Yafet Kittel type magnetic order in Zn substituted cobalt ferrite nanoparticles with uniaxial anisotropy. *JOURNAL OF NANOPARTICLE RESEARCH*, 15, 1359-1377. (Yayın No: 751402)
294. H. Deligöz, A. Baykal, M.S. Toprak, E.E. Tanrıverdi, Z. Durmus, H. Sözeri (2013). Synthesis structural magnetic and electrical properties of Co_{1-x}Zn_xFe₂O₄ x = 0 0 0 2 nanoparticles. *Materials Research Bulletin*, 48, 646-654. (Yayın No: 751340)
295. E. Çevik, M. Şenel, A. Baykal, M.F. Abasıyanık (2013). Poly glycidylmethacrylate co vinyl ferrocene grafted iron oxide nanoparticles as an electron transfer mediator for amperometric phenol detection. *Current Applied Physics*, 13, 1611-1619. (Yayın No: 743964)
296. R. Topkaya, U. Kurtan, Y. Junejo, A. Baykal (2013). Sol gel auto combustion synthesis of CoFe₂O₄ 1 methyl 2 pyrrolidone nanocomposite with ethylene glycol Its magnetic characterization. *Materials Research Bulletin*, 48, 3247-3253. (Yayın No: 744212)
297. R. Topkaya, U.Kurtan, A.Baykal, M.S.Toprak (2013). Polyvinylpyrrolidone PVP MnFe₂O₄ nanocomposite Sol Gel autocombustion synthesis and its magnetic characterization. *Ceramics International*, 39, 5651-5658. (Yayın No: 745638)
298. B. Unal, A. Baykal, M. Senel, H. Sözeri (2013). Synthesis and Characterization of Multiwall Carbon Nanotubes Decorated with Nickel Ferrite Hybrid. *Journal of Inorganic and Organometallic Polymers and Materials*, 23, 489-498. (Yayın No: 745487)
299. Hamit Erdemi, Ayşe Demir, A. Baykal (2013). Electrical Properties of Triethylene Glycol Stabilized Mn_xCo_{1-x}Fe₂O₄ Nanoparticles. *Journal of Inorganic and Organometallic Polymers and Materials*, 23, 690-702. (Yayın No: 745417)
300. R. Topkaya, U. Kurtan, A. Baykal, H. Sözeri, M. S. Toprak (2013). Polymer Assisted Co precipitation Synthesis and Characterization of Polyethylene Glycol PEG CoFe₂O₄ Nanocomposite. *Journal of Inorganic and Organometallic Polymers and Materials*, 23, 592-598. (Yayın No: 745380)

Uluslararası hakemli dergilerde yayımlanan makaleler:

301. M. Demirelli, E. Karaoğlu, A. Baykal, H. Sözeri, E. Uysal, O. Duygulu (2013). Recyclable NiFe₂O₄ APTES Pd Magnetic Nanocatalyst. *Journal of Inorganic and Organometallic Polymers and Materials*, 23, 937-943. (Yayın No: 745193)
302. A. Baykal, E. Karaoglu, H. Sözeri, E. Uysal, M.S. Toprak (2013). Synthesis and Characterization of High Catalytic Activity Magnetic Fe₃O₄ Supported Pd Nanocatalyst. *Journal of Superconductivity and Novel Magnetism*, 26, 165-171. (Yayın No: 751187)
303. A. Baykal, E. Karaoglu, H. Sözeri, E. Uysal, M. S. Toprak (2013). Synthesis and Characterization of High Catalytic Activity Magnetic Fe₃O₄ Supported Pd Nanocatalyst. *Journal of Superconductivity and Novel Magnetism*, 26, 165-171. (Yayın No: 750616)
304. O. Akman, H. Kavas, A. Baykal, M.S. Toprak, Ali Çoruh, B. Aktas (2013). Magnetic metal nanoparticles coated polyacrylonitrile textiles as microwave absorber. *Journal of Magnetism and Magnetic Materials*, 327, 151-158. (Yayın No: 751549)
305. M. Gunay, H. Kavas, A. Baykal (2013). Simple polyol route to synthesize heptanoic acid coated magnetite Fe₃O₄ Nanoparticles. *Materials Research Bulletin*, 48, 1296-1303. (Yayın No: 751074)
306. U. Kurtan, Y. Junejo, B. Ünal, A. Baykal (2013). The Electrical Properties of Polyaniline PANI Co₀ 5Mn₀ 5Fe₂O₄ Nanocomposite. *Journal of Inorganic and Organometallic Polymers and Materials*, 23, 1089-1096. (Yayın No: 742991)
307. A. Baykal, M. Günay, M.S. Toprak, H. Sozeri (2013). Effect of ionic liquids on the electrical and magnetic performance of polyaniline nickel ferrite nanocomposite. *Materials Research Bulletin*, 48, 378-382. (Yayın No: 751276)
308. E. Çevik, M. Senel, A. Baykal (2013). Potentiometric urea biosensor based on poly glycidylmethacrylate grafted iron oxide nanoparticles. *Current Applied Physics*, 13, 280-286. (Yayın No: 751934)
309. Y. Junejo, E. Karaoğlu, A. Baykal, Sirajuddin (2013). Cefditorene Mediated Synthesis of Silver Nanoparticles and Its Catalytic Activity. *Journal of Inorganic and Organometallic Polymers and Materials*, 23, 970-975. (Yayın No: 745130)
310. Y. Junejo, A. Baykal, H. Sözeri (2013). Simple hydrothermal synthesis of Fe₃O₄ PEG nanocomposite. *CENTRAL EUROPEAN JOURNAL OF CHEMISTRY*, 11(9), 1527-1532. (Yayın No: 745068)
311. M. Günay, H. Erdemi, A. Baykal, H. Sözeri, M.S. Toprak (2013). Triethylene glycol stabilized MnFe₂O₄ nanoparticle Synthesis magnetic and electrical characterization. *Materials Research Bulletin*, 48, 1057-1064. (Yayın No: 750792)
312. A. Baykal, M. Senel, B. Unal, E. Karaoglu, H. Sözeri, M. S. Toprak (2013). Acid Functionalized Multiwall Carbon Nanotube Magnetite MWCNT COOH Fe₃O₄ Hybrid Synthesis Characterization and Conductivity Evaluation. *Journal of Inorganic and Organometallic Polymers and Materials*, 23, 726-735. (Yayın No: 745526)
313. Sozeri H, Alveroglu E, Kurtan U, Senel M, Baykal A (2013). Magnetic hydrogel with high coercivity. *MATERIALS RESEARCH BULLETIN*, 48(8), 2751-2757., Doi: 10.1016/j.materresbull.2013.03.041 (Yayın No: 704372)
314. Alveroglu E, Sozeri H, Baykal A, Kurtan U, Senel M (2013). Fluorescence and magnetic properties of hydrogels containing Fe₃O₄ nanoparticles. *JOURNAL OF MOLECULAR STRUCTURE*, 1037(1), 361-366., Doi: 10.1016/j.molstruc.2013.01.017 (Yayın No: 704373)
315. Alveroglu E, Sozeri H, Kurtan U, Senel M, Baykal A (2013). Magnetic and spectroscopic properties of Polyacrylamide CoFe₂O₄ magnetic hydrogel. *JOURNAL OF MOLECULAR STRUCTURE*, 1036(1), 386-391., Doi: 10.1016/j.molstruc.2012.12.009 (Yayın No: 704431)
316. S. Shafiu, R. Topkaya, A. Baykal, M.S. Toprak (2013). Facile synthesis of PVA MnFe₂O₄ nanocomposite Its magnetic investigation. *Materials Research Bulletin*, 48, 4066-4071. (Yayın No: 742869)
317. U. Kurtan, R. Topkaya, S. Esir, A. Baykal (2013). Sol gel auto combustion synthesis of CoFe₂O₄ 1 methyl 2 pyrrolidone nanocomposite Its magnetic characterization. *Ceramics International*, 39, 6407-6413. (Yayın No: 745262)
318. O. Akman, Z. Durmus, H. Kavas, B. Aktas, U. Kurtan, A. Baykal, H. Sözeri (2013). Effect of conducting polymer layer on microwave absorption properties of BaFe₁₂O₁₉ TiO₂ composite. *Physica Status Solidi A*, 2, 395-402. (Yayın No: 704349)
319. H. Kavas, A. Baykal, M. Senel, M. Kaynak (2013). Grafted ungrafted iron oxide and alginate acid polyvinylimidazole nanocomposites Synthesis and electrical properties. *Materials Research Bulletin*, 48, 3973-3980. (Yayın No: 742927)
320. U. Kurtan, R. Topkaya, A. Baykal, M.S. Toprak (2013). Temperature dependent magnetic properties of CoFe₂O₄ CTAB nanocomposite synthesized by sol gel auto combustion technique. *Ceramics International*, 39, 6551-6558. (Yayın No: 745338)
321. M. Senel, H. Kavas, M. Tutgun, A. Baykal (2013). Preparation and conductivities of polyacrylic Acid polyvinylimidazole grafted and ungrafted iron oxide nanocomposite polymer electrolytes. *Central*

Uluslararası hakemli dergilerde yayımlanan makaleler:

European Journal of Chemistry, 11, 1768-1779. (Yayın No: 742825)

322. K. Uzun, E. Çevik, M. Şenel, A. Baykal (2013). Reversible immobilization of invertase on Cu chelated polyvinylimidazole grafted iron oxide nanoparticles. *Bioprocess and Biosystems Engineering*, 36, 1807-1816. (Yayın No: 742214)
323. B. Unal, M. Senel, A. Baykal, H. Sözeri (2013). Multiwall carbon nanotube cobalt ferrite hybrid Synthesis magnetic and conductivity characterization. *Current Applied Physics*, 12, 1404-1412. (Yayın No: 743026)
324. A. Demir, R. Topkaya, A. Baykal (2013). Green synthesis of superparamagnetic Fe₃O₄ nanoparticles with maltose Its magnetic investigation. *Polyhedron*, 65, 282-287. (Yayın No: 742700)
325. Sozeri H, Alveroglu E, Kurtan U, Senel M, Baykal A (2013). Synthesis Electrical and Magnetic Characterization of Polyacrylamide Hydrogels Including NiFe₂O₄ Nanoparticles. *JOURNAL OF SUPERCONDUCTIVITY AND NOVEL MAGNETISM*, 26(1), 213-218., Doi: 10.1007/s10948-012-1714-y (Yayın No: 704375)
326. O. Akman, Z. Durmus, H. Kavas, B. Aktas, U. Kurtan, A. Baykal, H. Sözeri (2013). Microwave absorption properties of BaFe₁₂O₁₉ TiO₂ composite coated with conducting polymer. *Journal of Superconductivity and Novel Magnetism*, 26, 1369-1373. (Yayın No: 704348)
327. U. Kurtan, R. Topkaya, A. Baykal (2013). Sol gel auto combustion synthesis of PVP CoFe₂O₄ nanocomposite and its magnetic characterization. *Materials Research Bulletin*, 48, 4889-4895. (Yayın No: 742656)
328. E. Karaoğlu, U. Özel, C. Caner, A. Baykal, M.M. Summak, H. Sözeri (2012). Synthesis and characterization of NiFe₂O₄ Pd magnetically recyclable catalyst for hydrogenation reaction. *Materials Research Bulletin*, 47, 4316-4321. (Yayın No: 744032)
329. H. Sözeri, Z. Durmus, A. Baykal, E. Uysal (2012). Preparation of high quality single domain BaFe₁₂O₁₉ particles by the citrate sol gel combustion route with an initial Fe Ba molar ratio of 4. *Materials Science and Engineering B*, 177, 949-955. (Yayın No: 751470)
330. H. Sözeri, A. Baykal, B. Ünal (2012). Low temperature synthesis of single domain Sr hexaferrite particles by solid state reaction route. *PHYSICA STATUS SOLIDI A-APPLICATIONS AND MATERIALS SCIENCE*, 209, 2002-2013. (Yayın No: 751604)
331. R. Topkaya, U. Kurtan, Y. Junejo, A. Baykal (2012). Sol gel auto combustion synthesis of CoFe₂O₄ 1 methyl 2 pyrrolidone nanocomposite with ethylene glycol Its magnetic characterization. *Materials Research Bulletin*, 48, 3247-3253. (Yayın No: 744106)
332. BAYKAL ABDULHADİ (2012). Preparation of PVP Polyvinyl Pyrrolidone Ba Sr Hexaferrites via Gel to Crystalline Method. *Synthesis and Reactivity in Inorganic, Metal-Organic, and Nano-Metal Chemistry*, 42, 1390-1397. (Yayın No: 751818)
333. Karaoğlu E., Özel U., Caner C., Baykal A., Summak M.M., Sözeri H. (2012). Synthesis and characterization of NiFe₂O₄ Pd magnetically recyclable catalyst for hydrogenation reaction. *Materials Research Bulletin*, 47(12), 4316-4321., Doi: 10.1016/j.materresbull.2012.09.011 (Yayın No: 703278)
334. Topkaya R., Akman Ö., Kazan S., Aktaş B., Durmus Z., Baykal A. (2012). Surface spin disorder and spin glass like behaviour in manganese substituted cobalt ferrite nanoparticles. *Journal of Nanoparticle Research*, 14(10), 11-56., Doi: 10.1007/s11051-012-1156-2 (Yayın No: 703400)
335. Çevik Emre, Şenel Mehmet, Baykal Abdulhadi, Abasıyanık M. Fatih (2012). A novel amperometric phenol biosensor based on immobilized HRP on poly glycidylmethacrylate grafted iron oxide nanoparticles for the determination of phenol derivatives. *Sensors and Actuators B: Chemical*, 173, 396-405., Doi: 10.1016/j.snb.2012.07.026 (Yayın No: 703052)
336. Günay Merva, Baykal Abdülhadi, Sözeri Hüseyin (2012). Structural and Magnetic Properties of Triethylene Glycol Stabilized Monodisperse Fe₃O₄ Nanoparticles. *Journal of Superconductivity and Novel Magnetism*, 25(7), 2415-2420., Doi: 10.1007/s10948-012-1627-9 (Yayın No: 703422)
337. Karaoğlu E., Ozkaya T., Baykal A. (2012). Hydrothermal Synthesis and Characterization of PEG Stabilized Co₃O₄ nanoparticles. *Journal of Superconductivity and Novel Magnetism*, 25(7), 2403-2406., Doi: 10.1007/s10948-012-1618-x (Yayın No: 703403)
338. Erdemi H., Baykal A., Karaoğlu E., Toprak M.S. (2012). Synthesis and conductivity studies of piperidine 4 carboxylic acid functionalized Fe₃O₄ nanoparticles. *Materials Research Bulletin*, 47(9), 2193-2199., Doi: 10.1016/j.materresbull.2012.06.006 (Yayın No: 702438)
339. Karaoğlu E., Baykal A., Şenel M., Sözeri H., Toprak M.S. (2012). Synthesis and characterization of Piperidine 4 carboxylic acid functionalized Fe₃O₄ nanoparticles as a magnetic catalyst for Knoevenagel reaction. *Materials Research Bulletin*, 47(9), 2480-2486., Doi: 10.1016/j.materresbull.2012.05.015 (Yayın No: 702517)
340. Sozeri H., Durmus Z., Baykal A. (2012). Structural and magnetic properties of triethylene glycol stabilized ZnxCo_{1-x}Fe₂O₄ nanoparticles. *Materials Research Bulletin*, 47(9), 2442-2448., Doi: 10.1016/j.materresbull.2012.05.036 (Yayın No: 702475)

Uluslararası hakemli dergilerde yayımlanan makaleler:

- Sozeri H., Durmus Z., Baykal A. (2012). Structural and magnetic properties of triethylene glycol stabilized $Zn_xCo_{1-x}Fe_2O_4$ nanoparticles. *Materials Research Bulletin*, 47(9), 2442-2448., Doi: 10.1016/j.materresbull.2012.05.036 (Yayın No: 702475)
341. Durmus Z., Sozeri H., Toprak M. S., Baykal A. (2012). Effect of Fuel on the Synthesis and Properties of Poly methyl methacrylate Modified $SrFe_{12}O_{19}$ Nanoparticles. *Journal of Superconductivity and Novel Magnetism*, 25(6), 1957-1963., Doi: 10.1007/s10948-012-1538-9 (Yayın No: 702867)
342. Baykal A., Toprak M. S., Durmus Z., Sozeri H. (2012). Hydrothermal Synthesis of $SrFe_{12}O_{19}$ and Its Characterization. *Journal of Superconductivity and Novel Magnetism*, 25(6), 2081-2085., Doi: 10.1007/s10948-012-1587-0 (Yayın No: 702873)
343. Gunay M., Sozeri H., Baykal A. (2012). Polyol Approach for the Synthesis of Water Soluble Mn_3O_4 Nanoparticles Using PEG. *Journal of Superconductivity and Novel Magnetism*, 25(6), 1929-1935., Doi: 10.1007/s10948-012-1514-4 (Yayın No: 702829)
344. Baykal A., Durmus Z., Toprak M. S., Sozeri H. (2012). Synthesis and Characterization of PEG Sr Hexaferrite by Sol Gel Conversion. *Journal of Superconductivity and Novel Magnetism*, 25(6), 2003-2008., Doi: 10.1007/s10948-012-1548-7 (Yayın No: 702869)
345. Erdemi H., Sözeri H., Şenel M., Baykal A. (2012). Synthesis and characterization of polyvinylimidazole grafted superparamagnetic iron oxide nanoparticles Si PVIm grafted SPION. *Journal of Nanoparticle Research*, 14(8), Doi: 10.1007/s11051-012-0988-0 (Yayın No: 703283)
346. Baykal Abdulhadi, Deligöz Hüseyin, Sozeri Hüseyin, Durmus Zehra, Toprak Muhammet S. (2012). Triethylene Glycol Stabilized $CoFe_2O_4$ Nanoparticles. *Journal of Superconductivity and Novel Magnetism*, 25(6), 1879-1892., Doi: 10.1007/s10948-012-1500-x (Yayın No: 702821)
347. Baykal A., Toprak M. S., Durmus Z., Senel M., Sozeri H., Demir A. (2012). Synthesis and Characterization of Dendrimer Encapsulated Iron and Iron Oxide Nanoparticles. *Journal of Superconductivity and Novel Magnetism*, 25(5), 1541-1549., Doi: 10.1007/s10948-012-1454-z (Yayın No: 703333)
348. Sözeri H., Durmuş Z., Baykal A., Uysal E. (2012). Preparation of high quality single domain $BaFe_{12}O_{19}$ particles by the citrate sol gel combustion route with an initial Fe Ba molar ratio of 4. *Materials Science and Engineering: B*, 177(12), 949-955., Doi: 10.1016/j.mseb.2012.04.023 (Yayın No: 702414)
349. Günay Merva, Baykal Abdülhadi, Toprak Muhammet S., Sözeri Hüseyin (2012). A Green Chemical Synthesis and Characterization of Mn_3O_4 nanoparticles. *Journal of Superconductivity and Novel Magnetism*, 25(5), 1535-1539., Doi: 10.1007/s10948-012-1451-2 (Yayın No: 703324)
350. SÖZERİ HÜSEYİN, BAYKAL ABDULHADİ, ÜNAL BAYRAM (2012). Low-temperature synthesis of single-domain Sr -hexaferrite particles by solid-state reaction route. *physica status solidi (a) - applications and materials science*, 209(10), 2002-2013., Doi: 10.1002/pssa.201228023 (Yayın No: 8623752)
351. Deligöz H., Baykal A., Şenel M., Sözeri H., Karaoğlu E., Toprak M.S. (2012). Synthesis and characterization of poly 1 vinyltriazole grafted superparamagnetic iron oxide nanoparticles. *Synthetic Metals*, 162(7-8), 590-597., Doi: 10.1016/j.synthmet.2012.02.005 (Yayın No: 702640)
352. Durmus Z., Kavas H., Sozeri H., Toprak M. S., Aslan A., Baykal A. (2012). Poly vinyl phosphonic acid PVPA $BaFe_{12}O_{19}$ Nanocomposite. *Journal of Superconductivity and Novel Magnetism*, 25(4), 1185-1193., Doi: 10.1007/s10948-011-1396-x (Yayın No: 703432)
353. Yardımcı Feyza S., Şenel Mehmet, Baykal Abdülhadi (2012). Amperometric hydrogen peroxide biosensor based on cobalt ferrite chitosan nanocomposite. *Materials Science and Engineering: C*, 32(2), 269-275., Doi: 10.1016/j.msec.2011.10.028 (Yayın No: 702427)
354. Deligöz H., Baykal A., Tanrıverdi E.E., Durmus Z., Toprak M.S. (2012). Synthesis structural and electrical properties of triethylene glycol TREG stabilized $Mn_0.2Co_0.8Fe_2O_4$ NPs. *Materials Research Bulletin*, 47(3), 537-543., Doi: 10.1016/j.materresbull.2011.12.050 (Yayın No: 702908)
355. Aydın M., Ünal B., Esat B., Baykal A., Karaoğlu E., Toprak M.S., Sözeri H. (2012). Synthesis magnetic and electrical characteristics of poly 2 thiophen 3 yl malonic acid Fe_3O_4 nanocomposite. *Journal of Alloys and Compounds*, 514, 45-53., Doi: 10.1016/j.jallcom.2011.10.063 (Yayın No: 703708)
356. Temizel Emine, Ayan Esra, Şenel Mehmet, Erdemi Hamit, Yavuz Mustafa S., Kavas Hüseyin, Baykal Abdulhadi, Öztürk Ramazan (2011). Synthesis conductivity and magnetic properties of poly N pyrrole phosphonic acid Fe_3O_4 nanocomposite. *Materials Chemistry and Physics*, 131(1-2), 284-291., Doi: 10.1016/j.matchemphys.2011.09.043 (Yayın No: 703794)
357. Garlyyev Batyr, Durmus Zehra, Kemikli Nurufe, Sozeri Huseyin, Baykal Abdulhadi, Ozturk Ramazan (2011). Synthesis and magnetic properties of a porphine based photosynthesizer with magnetic nano carriers. *Polyhedron*, 30(17), 2843-2848., Doi: 10.1016/j.poly.2011.08.029 (Yayın No: 703702)
358. Çevik Emre, Şenel Mehmet, Baykal Abdülhadi, Abasiyanik Mustafa Fatih (2011). An amperometric biosensor based on modified nanoparticles with an electron transfer mediator for the

Uluslararası hakemli dergilerde yayımlanan makaleler:

- determination of phenol derivatives. *Current Opinion in Biotechnology*, 22, 64, Doi: 10.1016/j.copbio.2011.05.181 (Yayın No: 702575)
359. Karaoğlu E., Baykal A., Erdemi H., Alpsoy L., Sozeri H. (2011). Synthesis and characterization of dl thioctic acid DLTA Fe₃O₄ nanocomposite. *Journal of Alloys and Compounds*, 509(37), 9218-9225., Doi: 10.1016/j.jallcom.2011.06.118 (Yayın No: 702945)
360. Bahçeci S., Unal B., Baykal A., Sözeri H., Karaoglu E., Esat B. (2011). Synthesis and characterization of polypropiolate sodium PPNa Fe₃O₄ nanocomposite. *Journal of Alloys and Compounds*, 509(35), 8825-8831., Doi: 10.1016/j.jallcom.2011.06.087 (Yayın No: 703456)
361. Karaoğlu E., Baykal A., Deligöz H., Şenel M., Sözeri H., Toprak M.S. (2011). Synthesis and characteristics of poly 3 pyrrol 1 ylpropanoic acid PPyAA Fe₃O₄ nanocomposite. *Journal of Alloys and Compounds*, 509(33), 8460-8468., Doi: 10.1016/j.jallcom.2011.06.002 (Yayın No: 703914)
362. Durmus Zehra, Tomaş Merve, Baykal Abdülhadi, Kavas Hüseyin, Toprak Muhammed S. (2011). title PEG Assisted Synthesis of Mn sub 3 sub O sub 4 sub Nanoparticles A Structural and Magnetic Study title. *Synthesis and Reactivity in Inorganic, Metal-Organic, and Nano-Metal Chemistry*, 41(7), 768-773., Doi: 10.1080/15533174.2011.591302 (Yayın No: 702816)
363. Unal B., Durmus Z., Baykal A., Toprak M.S., Sozeri H., Bozkurt A. (2011). Synthesis dielectric and magnetic characteristics of poly 1 vinyl 1 2 4 triazole PVTri barium hexaferrite composite. *Journal of Alloys and Compounds*, 509(32), 8199-8206., Doi: 10.1016/j.jallcom.2011.05.001 (Yayın No: 703917)
364. Durmus Z., Unal B., Toprak M.S., Aslan A., Baykal A. (2011). Synthesis and characterization of poly 1 vinyl 1 2 4 triazole PVTri barium hexaferrite nanocomposite. *Physica B: Condensed Matter*, 406(11), 2298-2302., Doi: 10.1016/j.physb.2011.03.063 (Yayın No: 703827)
365. Köseoğlu Y., Bay M., Tan M., Baykal A., Sözeri H., Topkaya R., Akdoğan N. (2011). Magnetic and dielectric properties of MnO 2NiO 8Fe₂O₄ nanoparticles synthesized by PEG assisted hydrothermal method. *Journal of Nanoparticle Research*, 13(5), 2235-2244., Doi: 10.1007/s11051-010-9982-6 (Yayın No: 702993)
366. Aydın M., Durmus Z., Kavas H., Esat B., Sözeri H., Baykal A., Yılmaz F., Toprak M.S. (2011). Synthesis and characterization of poly 3 thiophene acetic acid Fe₃O₄ nanocomposite. *Polyhedron*, 30(6), 1120-1126., Doi: 10.1016/j.poly.2011.01.009 (Yayın No: 703346)
367. Kavas H., Durmus Z., Tanrıverdi E., Şenel M., Sozeri H., Baykal A. (2011). Fabrication and characterization of dendrimer encapsulated monometallic Co nanoparticles. *Journal of Alloys and Compounds*, 509(17), 5341-5348., Doi: 10.1016/j.jallcom.2011.02.038 (Yayın No: 702953)
368. Durmus Z., Unal B., Toprak M.S., Sozeri H., Baykal A. (2011). Synthesis and characterization of poly 3 thiophenyl acetic acid P3TAA BaFe₁₂O₁₉ nanocomposite. *Polyhedron*, 30(7), 1349-1359., Doi: 10.1016/j.poly.2011.02.044 (Yayın No: 703341)
369. Ahmadov T. O., Durmus Z., Baykal A., Kavas H. (2011). A simple approach for the synthesis of Co₃O₄ nanocrystals. *Inorganic Materials*, 47(4), 426-430., Doi: 10.1134/S0020168511040017 (Yayın No: 703660)
370. Durmus Z., Baykal A., Kavas H., Sözeri H. (2011). Preparation and characterization of polyaniline PANI Mn₃O₄ nanocomposite. *Physica B: Condensed Matter*, 406(5), 1114-1120., Doi: 10.1016/j.physb.2010.12.059 (Yayın No: 703521)
371. Aydın Hamide, Şenel Mehmet, Erdemi Hamit, Baykal Abdülhadi, Tülü Metin, Ata Ali, Bozkurt Ayhan (2011). Inorganic organic polymer electrolytes based on poly vinyl alcohol and borane poly ethylene glycol monomethyl ether for Li ion batteries. *Journal of Power Sources*, 196(3), 1425-1432., Doi: 10.1016/j.jpowsour.2010.08.020 (Yayın No: 703680)
372. Durmus Z., Kavas H., Baykal A., Sozeri H., Alpsoy L., Çelik S.Ü., Toprak M.S. (2011). Synthesis and characterization of l carnosine coated iron oxide nanoparticles. *Journal of Alloys and Compounds*, 509(5), 2555-2561., Doi: 10.1016/j.jallcom.2010.11.088 (Yayın No: 702808)
373. Durmus Z., Erdemi H., Aslan A., Toprak M.S., Sozeri H., Baykal A. (2011). Synthesis and characterization of poly vinyl phosphonic acid PVPA Fe₃O₄ nanocomposite. *Polyhedron*, 30(2), 419-426., Doi: 10.1016/j.poly.2010.11.011 (Yayın No: 703694)
374. Durmus Z., Sözeri H., Unal B., Baykal A., Topkaya R., Kazan S., Toprak M.S. (2011). Magnetic and dielectric characterization of alginic acid Fe₃O₄ nanocomposite. *Polyhedron*, 30(2), 322-328., Doi: 10.1016/j.poly.2010.10.028 (Yayın No: 703687)
375. Karaoglu E. , Kavas H. , Baykal A. , Toprak M. S. , Sozeri H. (2011). Effect of Hydrolyzing Agents on the Properties of Poly EthyleneGlycol Fe₃O₄ Nanocomposie. *NANO-MICRO LETTERS*, 3(2), 79-85. (Yayın No: 703132)
376. Durmus Z. , Sozeri H. , Toprak M. S. , Baykal A. (2011). The Effect of Condensation on the Morphology and Magnetic Properties ofModified Barium Hexaferrite BaFe₁₂O₁₉. *NANO-MICRO LETTERS*, 3(2), 108-114. (Yayın No: 703205)
377. Yalciner Furkan , Cevik Emre , Senel Mehmet , Baykal Abdulhadi (2011). Development of an Amperometric Hydrogen Peroxide Biosensor based on theImmobilization of Horseradish Peroxidase onto Nickel FerriteNanoparticle Chitosan Composite. *NANO-MICRO LETTERS*, 3(2), 91-98. (Yayın

Uluslararası hakemli dergilerde yayımlanan makaleler:

No: 703170)

378. Tanriverdi E. E. , Uzumcu A. T. , Kavas H. , Demir A. , Baykal A. (2011). Conductivity Study of Polyaniline Cobalt Ferrite PANI CoFe₂O₄ Nanocomposite. NANO-MICRO LETTERS, 3(2), 99-107. (Yayın No: 703185)
379. Karaoglu E. , Deligoz H. , Sozeri H. , Baykal A. , Toprak M. S. (2011). Hydrothermal Synthesis and Characterization of PEG Mn₃O₄ Nanocomposite. NANO-MICRO LETTERS, 3(1), 25-33., Doi: 10.3786/nml.v3i1.p25-33 (Yayın No: 703111)
380. Durmus Z., Tomas M., Baykal A., Kavas H., Gürkaynak Altınçekiç T., Toprak M. S. (2010). The effect of neutralizing agent on the synthesis and characterization of Mn₃O₄ nanoparticles. Russian Journal of Inorganic Chemistry, 55(12), 1947-1952., Doi: 10.1134/S0036023610120211 (Yayın No: 703267)
381. Unal B., Toprak M. S., Durmus Z., Sözeri H., Baykal A. (2010). Synthesis structural and conductivity characterization of alginic acid Fe₃O₄ nanocomposite. Journal of Nanoparticle Research, 12(8), 3039-3048., Doi: 10.1007/s11051-010-9898-1 (Yayın No: 703225)
382. Uzun K., Çevik E., Şenel M., Sözeri H., Baykal A., Abasıyanık M. F., Toprak M. S. (2010). Covalent immobilization of invertase on PAMAM dendrimer modified superparamagnetic iron oxide nanoparticles. Journal of Nanoparticle Research, 12(8), 3057-3067., Doi: 10.1007/s11051-010-9902-9 (Yayın No: 703233)
383. Unal B., Durmus Z., Kavas H., Baykal A., Toprak M.S. (2010). Synthesis conductivity and dielectric characterization of salicylic acid Fe₃O₄ nanocomposite. Materials Chemistry and Physics, 123(1), 184-190., Doi: 10.1016/j.matchemphys.2010.03.080 (Yayın No: 702535)
384. Ünal B., Durmus Z., Baykal A., Sözeri H., Toprak M.S., Alpsoy L. (2010). I Histidine coated iron oxide nanoparticles Synthesis structural and conductivity characterization. Journal of Alloys and Compounds, 505(1), 172-178., Doi: 10.1016/j.jallcom.2010.06.022 (Yayın No: 703628)
385. Kemikli Nurufe, Kavas Hüseyin, Kazan Sinan, Baykal Abdulhadi, Ozturk Ramazan (2010). Synthesis of protoporphyrin coated superparamagnetic iron oxide nanoparticles via dopamine anchor. Journal of Alloys and Compounds, 502(2), 439-444., Doi: 10.1016/j.jallcom.2010.04.192 (Yayın No: 703510)
386. Baykal A., Bitrak N., Ünal B., Kavas H., Durmus Z., Özden Ş., Toprak M.S. (2010). Polyol synthesis of polyvinylpyrrolidone PVP Mn₃O₄ nanocomposite. Journal of Alloys and Compounds, 502(1), 199-205., Doi: 10.1016/j.jallcom.2010.04.143 (Yayın No: 703514)
387. Baykal Abdulhadi, Kavas Hüseyin, Durmuş Zehra, Demir Mine, Kazan Sinan, Topkaya Ramazan, Toprak Muhammet S. (2010). Sonochemical synthesis and chracterization of Mn₃O₄ nanoparticles. Central European Journal of Chemistry, 8(3), 633-638., Doi: 10.2478/s11532-010-0037-8 (Yayın No: 702408)
388. Sertkol M., Köseoğlu Y., Baykal A., Kavas H., Toprak M.S. (2010). Synthesis and magnetic characterization of Zn₀ 7Ni₀ 3Fe₂O₄ nanoparticles via microwave assisted combustion route. Journal of Magnetism and Magnetic Materials, 322(7), 866-871., Doi: 10.1016/j.jmmm.2009.11.018 (Yayın No: 703338)
389. Altincekic T.G., Boz İ., Baykal A., Kazan S., Topkaya R., Toprak M.S. (2010). Synthesis and characterization of CuFe₂O₄ nanorods synthesized by polyol route. Journal of Alloys and Compounds, 493(1-2), 493-498., Doi: 10.1016/j.jallcom.2009.12.140 (Yayın No: 703649)
390. Birsöz B., Baykal A., Sözeri H., Toprak M.S. (2010). Synthesis and characterization of polypyrrole BaFe₁₂O₁₉ nanocomposite. Journal of Alloys and Compounds, 493(1-2), 481-485., Doi: 10.1016/j.jallcom.2009.12.135 (Yayın No: 703640)
391. Kavas H., Durmus Z., Şenel M., Kazan S., Baykal A., Toprak M.S. (2010). CTAB Mn₃O₄ nanocomposites Synthesis NMR and low temperature EPR studies. Polyhedron, 29(5), 1375-1380., Doi: 10.1016/j.poly.2009.12.034 (Yayın No: 703635)
392. Kavas H., Durmus Z., Baykal A., Aslan A., Bozkurt A., Toprak M.S. (2010). Synthesis and conductivity evaluation of PVTri Fe₃O₄ nanocomposite. Journal of Non-Crystalline Solids, 356(9-10), 484-489., Doi: 10.1016/j.jnoncrysol.2009.12.022 (Yayın No: 703655)
393. Coşgun Sedat, Çelik Sevim Ünügür, Baykal Abdulhadi, Bozkurt Ayhan (2010). Dielectric and proton conductivity studies in organic electrolytes based on 2 perfluoroalkyl ethyl azides. Current Applied Physics, 10(1), 133-137., Doi: 10.1016/j.cap.2009.05.009 (Yayın No: 703092)
394. Sertkol M., Köseoğlu Y., Baykal A., Kavas H., Bozkurt A., Toprak M.S. (2009). Microwave synthesis and characterization of Zn doped nickel ferrite nanoparticles. Journal of Alloys and Compounds, 486(1-2), 325-329., Doi: 10.1016/j.jallcom.2009.06.128 (Yayın No: 701893)
395. Durmus Zehra, Kavas Hüseyin, Toprak Muhammet Sadaka, Baykal Abdülhadi, Altınçekiç Tuba Gürkaynak, Aslan Ayşe, Bozkurt Ayhan, Coşgun Sedat (2009). I lysine coated iron oxide nanoparticles Synthesis structural and conductivity characterization. Journal of Alloys and Compounds, 484(1-2), 371-376., Doi: 10.1016/j.jallcom.2009.04.103 (Yayın No: 703823)

Uluslararası hakemli dergilerde yayımlanan makaleler:

396. Köseoğlu Y., Baykal A., Gözüak F., Kavas H. (2009). Structural and magnetic properties of $\text{Co}_x\text{Zn}_{1-x}\text{Fe}_2\text{O}_4$ nanocrystals synthesized by microwave method. *Polyhedron*, 28(14), 2887-2892., Doi: 10.1016/j.poly.2009.06.061 (Yayın No: 703816)
397. Durmus Zehra, Kavas Hüseyin, Baykal Abdulhadi, Toprak Muhammet S. (2009). A green chemical route for the synthesis of Mn_3O_4 nanoparticles. *Central European Journal of Chemistry*, 7(3), 555-559., Doi: 10.2478/s11532-009-0049-4 (Yayın No: 702988)
398. Ozkaya T., Baykal A., Koseoğlu Y., Kavas H. (2009). Synthesis of Co_3O_4 nanoparticles by oxidation reduction method and its magnetic characterization. *Central European Journal of Chemistry*, 7(3), 410-414., Doi: 10.2478/s11532-009-0012-4 (Yayın No: 702960)
399. Kavas Hüseyin, Kasapoğlu Nermin, Baykal Abdülhadi, Köseoğlu Yüksel (2009). Characterization of NiFe_2O_4 nanoparticles synthesized by various methods. *Chemical Papers*, 63(4), 450-455., Doi: 10.2478/s11696-009-0034-6 (Yayın No: 703616)
400. Gözüak F., Köseoğlu Y., Baykal A., Kavas H. (2009). Synthesis and characterization of $\text{Co}_x\text{Zn}_{1-x}\text{Fe}_2\text{O}_4$ magnetic nanoparticles via a PEG assisted route. *Journal of Magnetism and Magnetic Materials*, 321(14), 2170-2177., Doi: 10.1016/j.jmmm.2009.01.008 (Yayın No: 703502)
401. Sezgin Aslihan, Akbey Ümit, Graf Robert, Bozkurt Ayhan, Baykal Abdülhadi (2009). Proton conductivity survey of the acid doped copolymers based on 4 vinylbenzylboronic acid and 4 5 vinylimidazole. *Journal of Polymer Science Part B: Polymer Physics*, 47(13), 1267-1274., Doi: 10.1002/polb.21731 (Yayın No: 703716)
402. Durmus Zehra, Baykal Abdulhadi, Kavas Hüseyin, Direkçi Mikail, Toprak Muhammet S. (2009). Ovalbumin mediated synthesis of Mn_3O_4 . *Polyhedron*, 28(11), 2119-2122., Doi: 10.1016/j.poly.2009.03.026 (Yayın No: 703904)
403. Ozkaya T., Baykal A., Toprak M.S., Koseoğlu Y., Durmuş Z. (2009). Reflux synthesis of Co_3O_4 nanoparticles and its magnetic characterization. *Journal of Magnetism and Magnetic Materials*, 321(14), 2145-2149., Doi: 10.1016/j.jmmm.2009.01.003 (Yayın No: 703490)
404. Kavas Hüseyin, Baykal Abdülhadi, Toprak Muhammet S., Köseoğlu Yüksel, Sertkol Murat, Aktaş Bekir (2009). Cation distribution and magnetic properties of Zn doped NiFe_2O_4 nanoparticles synthesized by PEG assisted hydrothermal route. *Journal of Alloys and Compounds*, 479(1-2), 49-55., Doi: 10.1016/j.jallcom.2009.01.014 (Yayın No: 702804)
405. Ozkaya Tevhide, Toprak Muhammet S., Baykal Abdulhadi, Kavas Hüseyin, Köseoğlu Yüksel, Aktaş Bekir (2009). Synthesis of Fe_3O_4 nanoparticles at 100 C and its magnetic characterization. *Journal of Alloys and Compounds*, 472(1-2), 18-23., Doi: 10.1016/j.jallcom.2008.04.101 (Yayın No: 702940)
406. Sertkol M., Köseoğlu Y., Baykal A., Kavas H., Başaran A.C. (2009). Synthesis and magnetic characterization of $\text{Zn}_0.6\text{Ni}_0.4\text{Fe}_2\text{O}_4$ nanoparticles via a polyethylene glycol assisted hydrothermal route. *Journal of Magnetism and Magnetic Materials*, 321(3), 157-162., Doi: 10.1016/j.jmmm.2008.08.083 (Yayın No: 703910)
407. Baykal Abdulhadi , Kasapoglu Nermin , Durmus Zehra , Kavas Hueseyin , Toprak Muhammet S. , Koesooglu Yueksel (2009). CTAB Assisted Hydrothermal Synthesis and Magnetic Characterization of $\text{Ni}_x\text{Co}_{1-x}\text{Fe}_2\text{O}_4$ Nanoparticles x 0 0 0 6 1 0. *TURKISH JOURNAL OF CHEMISTRY*, 33(1), 33-45. (Yayın No: 702566)
408. Ozkaya T., Baykal A., Kavas H., Köseoğlu Y., Toprak M.S. (2008). A novel synthetic route to Mn_3O_4 nanoparticles and their magnetic evaluation. *Physica B: Condensed Matter*, 403(19-20), 3760-3764., Doi: 10.1016/j.physb.2008.07.002 (Yayın No: 703610)
409. Özkaya Tevhide, Baykal Abdulhadi, Toprak Muhammet Sadaka (2008). 2 pyrrolidone capped Mn_3O_4 nanocrystals. *Central European Journal of Chemistry*, 6(3), 465-469., Doi: 10.2478/s11532-008-0041-4 (Yayın No: 702432)
410. Köseoğlu Yüksel, Baykal Abdülhadi, Toprak Muhammet S., Gözüak Fatma, Başaran Ali Cemil, Aktaş Bekir (2008). Synthesis and characterization of ZnFe_2O_4 magnetic nanoparticles via a PEG assisted route. *Journal of Alloys and Compounds*, 462(1-2), 209-213., Doi: 10.1016/j.jallcom.2007.07.121 (Yayın No: 699459)
411. Sezgin Aslihan, Akbey Ümit, Hansen Michael Ryan, Graf Robert, Bozkurt Ayhan, Baykal Abdülhadi (2008). Synthesis and NMR studies of the polymer membranes based on poly 4 vinylbenzylboronic acid and phosphoric acid. *Polymer*, 49(18), 3859-3864., Doi: 10.1016/j.polymer.2008.07.002 (Yayın No: 703478)
412. Birsöz B., Baykal A. (2008). X ray powder diffraction FTIR and raman study of strontium boroarsenate SrBAsO_5 . *Russian Journal of Inorganic Chemistry*, 53(7), 1009-1012., Doi: 10.1134/S0036023608070061 (Yayın No: 703085)
413. Baykal Abdülhadi, Kasapoğlu Nermin, Köseoğlu Yüksel, Başaran Ali Cemil, Kavas Hüseyin, Toprak Muhammet S. (2008). Microwave induced combustion synthesis and characterization of $\text{Ni}_x\text{Co}_{1-x}\text{Fe}_2\text{O}_4$ nanocrystals x 0 0 0 4 0 6 0 8 1 0. *Central European Journal of Chemistry*, 6(1), 125-130., Doi: 10.2478/s11532-007-0070-4 (Yayın No: 703898)

Uluslararası hakemli dergilerde yayımlanan makaleler:

414. Baykal Abduelhadi , Kasapoglu Nermin , Koseoglu Yuksel , Toprak Muhammet S. , Bayrakdar Harun (2008). CTAB assisted hydrothermal synthesis of NiFe₂O₄ and its magnetic characterization. JOURNAL OF ALLOYS AND COMPOUNDS, 464(1-2), 514-518. (Yayın No: 703454)
415. Baykal A, Köseoğlu Y, Şenel M (2007). Low Temperature Synthesis and Characterization of Mn₃O₄ Nanoparticles. CENTRAL EUROPEAN JOURNAL OF CHEMISTRY(5), 169-176. (Yayın No: 683267)
416. Günday S.T., Bozkurt A., Aghatabay N.M., Baykal A. (2007). Benzimidazole tethered proton conducting organic electrolytes. Materials Chemistry and Physics, 105, 240-244. (Yayın No: 755700)
417. KASAPOGLU N, BAYKAL A, KOSEOGLU Y, TOPRAK M (2007). Microwave assisted combustion synthesis of CoFe₂O₄ with urea and its magnetic characterization. Scripta Materialia, 57(5), 441-444., Doi: 10.1016/j.scriptamat.2007.04.042 (Yayın No: 702791)
418. Şenel M., Bozkurt A., Baykal A. (2007). An investigation of the proton conductivities of hydrated poly vinyl alcohol boric acid complex electrolytes. Ionics, 13(4), 263-266., Doi: 10.1007/s11581-007-0100-4 (Yayın No: 703216)
419. Kasapoglu Nermin, Birsöz Bahar, Baykal Abdülhadi, Köseoğlu Yüksel, Toprak Muhammet S. (2007). Synthesis and magnetic properties of octahedral ferrite Ni_{1-x}Co_xFe₂O₄ nanocrystals. Central European Journal of Chemistry, 5(2), 570-580., Doi: 10.2478/s11532-007-0005-0 (Yayın No: 703607)
420. Birsöz B., Baykal A., Toprak M., Köseoğlu Y. (2007). Synthesis characterization and magnetic investigation of NH₄⁺0.5Mn²⁺1.25H₂O₂BP₂O₈0.5H₂O. Central European Journal of Chemistry, 5(2), 536-545., Doi: 10.2478/s11532-007-0006-z (Yayın No: 703598)
421. Kasapoglu Nermin , Baykal Abdulhadi , Toprak Muhammet S. , Koseoglu Yueksel , Bayrakdar Harun (2007). Synthesis and characterization of NiFe₂O₄ nano octahedrons byEDTA assisted hydrothermal method. TURKISH JOURNAL OF CHEMISTRY, 31(6), 659-666. (Yayın No: 703262)
422. Baykal Abdulhadi , Evren Ayten (2006). Hydrothermal and microwave assisted synthesis of boroarsenate BaSO₄. TURKISH JOURNAL OF CHEMISTRY, 30(6), 723-730. (Yayın No: 702984)
423. Karadedeli B, Bozkurt A, Baykal A (2005). Proton Conduction in adipic benzimidazole hybridelectrolytes. PHYSICA B-CONDENSED MATTER(364), 279-284. (Yayın No: 683659)
424. Baykal A., Gürbüz.G., Kızılyallı M., Kniep R (2004). Discussion On The Structure of Boron Containing Apatite. Key Engineering Materials, 264, 2017-2022. (Yayın No: 755980)
425. Aghatabay NM, Baykal A, Somer M (2004). Synthesis and Characterization of 1,3-bis(2-benzimidazolyl)propane thiapentane ligands and their PdCl₂ complexes. TRANSITION METAL CHEMISTRY(29), 159-163. (Yayın No: 684135)
426. Baykal A , Kizilyalli M , Toprak M , Kniep R (2001). Hydrothermal and microwave synthesis of boron phosphate BPO₄. TURKISH JOURNAL OF CHEMISTRY, 25(4), 425-432. (Yayın No: 702762)
427. Gözel G, Baykal A, Kızılyallı M, Kniep R (2000). Solid State Synthesis X ray Powder Investigation and IR Study of Mg₃BPO₇. JOURNAL OF THE EUROPEAN CERAMIC SOCIETY(18), 2241-2248. (Yayın No: 689002)
428. Baykal A , Gozel G , Kizilyalli M , Toprak M , Kniep R (2000). X RAY powder diffraction and IR study of calcium borophosphate CaBPO₅. TURKISH JOURNAL OF CHEMISTRY, 24(4), 381-388. (Yayın No: 703809)
429. Baykal A , Kizilyalli M , Gozel G , Kniep R (2000). Synthesis of strontium borophosphate SrBPO₅ by solid state andhydrothermal methods and characterisation. CRYSTAL RESEARCH AND TECHNOLOGY, 35(3), 247-254. (Yayın No: 703311)
430. Baykal A., Kizilyalli M., Kniep R. (2000). X ray powder diffraction and IR study of NaMg H₂O₂BP₂O₈ center dotH₂O and NH₄Mg H₂O₂BP₂O₈ center dot H₂O. Journal of Materials Science, 35(18), 4621-4626., Doi: 10.1023/A:1004818132238 (Yayın No: 703460)
431. Baykal A , Kizilyalli M , Kniep R (1997). Synthesis and characterisation of anhydrous magnesium phosphateMg₃PO₄2. TURKISH JOURNAL OF CHEMISTRY, 21(4), 394-400. (Yayın No: 703078)
432. Tuncel S.G., Baykal A., Özer U (1996). Ozone Concentration at Rural Mountain Site of Northwestern Turkey. Water, Air and Soil Pollution, 91, 219-232. (Yayın No: 755812)
433. Tuncel S.G., Baykal A., Tuncel G., Özer U (1994). Measurement of NO_x SO₂ SPM and O₃ at a High Altitude Station in Northwestern Turkey. Israel Journal of Chemistry, 34, 403-409. (Yayın No: 755778)

B. Uluslararası bilimsel toplantılarda sunulan ve bildiri kitaplarında (proceedings) basılan bildiriler :

1. BAYKAL ABDULHADİ (2005). Novel Building Blocks for cascade Synthesis 11th UIPAC International Symposium on macromolecule Metal Complexes. 11th UIPAC International Symposium on macromolecule-Metal Complexes (Tam Metin Bildiri/) (Yayın No: 1148438)

2. BAYKAL ABDULHADİ Synthesis and characterization of Strontium Borophosphat. HTMC IX High Temperature Materials Chemistry, Penn State (Tam Metin Bildiri/) (Yayın No: 1148415)
3. BAYKAL ABDULHADİ (2014). SrFe₁₂O₁₉ Zn₀ 65Ni₀ 25Cu₀ 1Fe₂O₄ core shell nanocomposite Synthesis Characterization and Catalytic Activity in Aqueous Solution. Nanotr10, 10th Nanoscience and Nanotechnology Conference, 17-21 June, 2014, Yeditepe Üniversitesi. (Tam Metin Bildiri/) (Yayın No: 1150925)
4. BAYKAL ABDULHADİ (2014). Mn_{1-x}Zn_xFe₂O₄ nanoparticles dispersed in silica matrix magnetic and optical study Generation NaNoNG 2014. Firat Üniversitesi, Elazığ. 20-22 August 2014. (Tam Metin Bildiri/) (Yayın No: 1150940)
5. BAYKAL ABDULHADİ (2014). Cation distribution and microwave absorption study of Zn_xCu_{1-x}Fe₂O₄. International Nanoscience and Nanotechnology for Next Generation (NaNoNG) 2014, Firat Üniversitesi, Elazığ. 20-22 August 2014. (Tam Metin Bildiri/) (Yayın No: 1150952)
6. BAYKAL ABDULHADİ (2014). Magnetic and MW properties of Mn doped Ni_xZn_{0.9-x}Fe₂O₄ nanoparticles prepared with boron addition. ICSM 2014 "International Conference on Superconductivity and Magnetism" in Antalya, Turkey. (Tam Metin Bildiri/) (Yayın No: 1150932)
7. BAYKAL ABDULHADİ (2013). Synthesis of Fe₃O₄ APTES PAMAM Ag magnetic nanocatalyst as highly active and recyclable for catalytic reduction of 4 nitrophenol. Nanotr10, 10th Nanoscience and Nanotechnology Conference, 17-21 June, 2014, Yeditepe Üniversitesi. (Tam Metin Bildiri/) (Yayın No: 1150912)
8. BAYKAL ABDULHADİ (2013). Magnetic and Spectroscopic properties of Polyacrylamide CoFe₂O₄ magnetic hydrogel. 1st International Chemistry and Chemical Engineering Conference, 18-20 April 2013, Baku, Azerbaijan (Tam Metin Bildiri/) (Yayın No: 1150814)
9. BAYKAL ABDULHADİ (2013). Polyaniline PANI Co_{0.5}Mn_{0.5}Fe₂O₄ nanocomposite Synthesis characterization and magnetic properties evaluation. 44th World Chemistry Congress, 11-16 August, 2013, Istanbul-Turkey. (Tam Metin Bildiri/) (Yayın No: 1150886)
10. BAYKAL ABDULHADİ (2013). Solvothermal synthesis of pure SrFe₁₂O₁₉ hexaferrite nanoplatelets. International Conference on Nanoscale Magnetism (ICNM 2013), September 02-06, 2013, İstanbul (Tam Metin Bildiri/) (Yayın No: 1150822)
11. BAYKAL ABDULHADİ (2013). Ionic Liquid Based Synthesis of Polyaniline MnFe₂O₄ CTAB. International Semiconductor Science and Technology Conference, ISSTC, January 13-15, 2014, İstanbul Medeniyet University. (Tam Metin Bildiri/) (Yayın No: 1150893)
12. BAYKAL ABDULHADİ (2013). Zn substituted nanocrystalline cobalt ferrite electrical properties. International Semiconductor Science and Technology Conference, ISSTC, January 13-15, 2014, İstanbul Medeniyet University. (Tam Metin Bildiri/) (Yayın No: 1150904)
13. BAYKAL ABDULHADİ (2013). Yafet Kittel type magnetic order in Zn substituted cobalt ferrite nanoparticles. International Conference on Nanoscale Magnetism (ICNM 2013), September 02-06, 2013, İstanbul. (Tam Metin Bildiri/) (Yayın No: 1150843)
14. BAYKAL ABDULHADİ (2013). Microwave Absorbing Properties of Polypyrrole BaFe₁₂O₁₉ TiO₂ Nanocomposites. International Conference on Nanoscale Magnetism (ICNM 2013), September 02-06, 2013, İstanbul (Tam Metin Bildiri/) (Yayın No: 1150831)
15. BAYKAL ABDULHADİ (2013). Synthesis and characterization of multiwall carbon nanotubes decorated with nickel ferrite hybrid. 44th World Chemistry Congress, 11-16 August, 2013, Istanbul-Turkey. (Tam Metin Bildiri/) (Yayın No: 1150870)
16. BAYKAL ABDULHADİ (2013). Decoration of Multi walled Carbon Nanotubes with Iron Oxide Nanoparticles. International Conference on Nanoscale Magnetism (ICNM 2013), September 02-06, 2013, İstanbul. (Tam Metin Bildiri/) (Yayın No: 1150836)
17. BAYKAL ABDULHADİ (2012). Poly 3 thiophene acetic acid Fe₃O₄ nanocomposite. 13th International Workshop on Nanoscience and Nanotechnology, 1-4 October, 2012, INFN-Frascati-National Lab, Frascati, Italy (Tam Metin Bildiri/) (Yayın No: 1150797)
18. BAYKAL ABDULHADİ (2012). Multilayer Radar Absorber Design with Nano Metal Coated PAN Textile and Hexaferrites Nanoparticles. International Conference on Science for Defense & Security, ICSDS-2012, 2-5 September 2012, Çeşme-İzmir, Turkey, Page:31. (Tam Metin Bildiri/) (Yayın No: 1150766)
19. BAYKAL ABDULHADİ (2012). Magnetic Metal Nanoparticles Coated Polyacrylonitrile Textiles as Microwave Absorber. International Conference on Science for Defense & Security, ICSDS-2012, 2-5 September 2012, Çeşme-İzmir, Turkey, Page:52. (Tam Metin Bildiri/) (Yayın No: 1148977)
20. BAYKAL ABDULHADİ (2012). Synthesis and characterization of L histidine coated Fe₃O₄ nanocomposite. 13th International Workshop on Nanoscience and Nanotechnology, 1-4 October, INFN-Frascati-National Lab, Frascati, Italy. (Tam Metin Bildiri/) (Yayın No: 1150778)
21. BAYKAL ABDULHADİ (2012). Poly vinyl phosphonic acid PVPA Fe₃O₄ nanocomposite. 13th International Workshop on Nanoscience and Nanotechnology, 1-4 October, 2012, INFN-Frascati-National Lab, Frascati, Italy (Tam Metin Bildiri/) (Yayın No: 1150802)

22. BAYKAL ABDULHADİ (2012). Conductivity Study 13 th International Workshop on Nanoscience and Nanotechnology 14 October INFN Frascati National Lab Frascati Italy. 13 th International Workshop on Nanoscience and Nanotechnology, 1-4 October, INFN-Frascati-National Lab, Frascati, Italy. (Tam Metin Bildiri/) (Yayın No: 1150788)
23. BAYKAL ABDULHADİ (2012). Nano metal Ni Co coated textile fiber as an Radar Absorbing Material. XIII NanoTR Conference, June 2012, Hacettepe Univ. ANKARA. (Tam Metin Bildiri/) (Yayın No: 1148966)
24. BAYKAL ABDULHADİ (2012). Magnetic Dielectric and Microwave Absorption Properties of Conducting Polymer Coated Fe₃O₄ TiO₂ Nanocomposite. 3 INTERNATIONAL CONFERENCE ON SUPERCONDUCTIVITY AND MAGNETISM – ICSM2012, 29 April – 4 May 2012, İstanbul-TURKEY. (Tam Metin Bildiri/) (Yayın No: 1148936)
25. BAYKAL ABDULHADİ (2012). Magnetic and Microwave Absorption Properties of BaFe₁₀MnZn₁₉ Mn Co Zn. 3 INTERNATIONAL CONFERENCE ON SUPERCONDUCTIVITY AND MAGNETISM – ICSM2012, 29 April – 4 May 2012, İstanbul-TURKEY. (Tam Metin Bildiri/) (Yayın No: 1148948)
26. BAYKAL ABDULHADİ (2011). An amperometric biosensor based on modified nanoparticles with an electron transfer mediator for the determination of phenol derivatives. European Biotechnology Congress 2011, September 28-October 1, 2011, İstanbul-Turkey, Current Opinion in Biotechnology, 22(1) September 2011. (Tam Metin Bildiri/) (Yayın No: 1148916)
27. BAYKAL ABDULHADİ (2011). Magnetic Properties of Mn₀ 4Ni₀ 6Fe₂O₄ Nanoparticles Synthesized by PEG Assisted Hydrothermal Method. 7th Nanoscience and Nanotechnology Conference, June 27- July 01, 2011, Sabancı University, İstanbul. (Tam Metin Bildiri/) (Yayın No: 1148903)
28. BAYKAL ABDULHADİ (2011). Preparation of poly glycidylmethacrylate grafted superparamagnetic iron oxide nanoparticles and its biosensor application. 7th Nanoscience and Nanotechnology Conference, June 27- July 01, 2011, Sabancı University, İstanbul. (Tam Metin Bildiri/) (Yayın No: 1148885)
29. BAYKAL ABDULHADİ (2011). Magnetic Characterization of BaFe₁₀ Mn₂X₂Zn₂O₁₉. 7th Nanoscience and Nanotechnology Conference, June 27- July 01, 2011, Sabancı University, İstanbul. (Tam Metin Bildiri/) (Yayın No: 1148862)
30. BAYKAL ABDULHADİ (2010). Magnetic and Dielectric Properties of MnFe₂O₄ NP s Synthesized by Polyol Method. International Conference on Nanoscale magnetism ICNM-2010, September 28-October 2, 2010, Gebze-TURKEY. (Tam Metin Bildiri/) (Yayın No: 1148822)
31. BAYKAL ABDULHADİ (2010). Magnetic and Dielectric Properties of Mn₀ 6Ni₀ 4Fe₂O₄ NP s Synthesized by PEG Assisted Hydrothermal Route. International Conference on Nanoscale magnetism ICNM-2010, September 28-October 2, 2010, Gebze-TURKEY. (Tam Metin Bildiri/) (Yayın No: 1148842)
32. BAYKAL ABDULHADİ (2010). Magnetic and Dielectric Properties of Mn₀ 6Co₀ 4Fe₂O₄ NP s Synthesized by Polyol Method. International Conference on Nanoscale magnetism ICNM-2010, September 28-October 2, 2010, Gebze-TURKEY. (Tam Metin Bildiri/) (Yayın No: 1148831)
33. BAYKAL ABDULHADİ (2010). Magnetic and Dielectric Properties of Mn_xNi_{1-x}Fe₂O₄ NP s Synthesized by PEG Assisted Hydrothermal Route. International Conference on Nanoscale magnetism ICNM-2010, September 28-October 2, 2010, Gebze-TURKEY (Tam Metin Bildiri/) (Yayın No: 1148799)
34. BAYKAL ABDULHADİ (2010). Magnetic and Dielectric Properties of Mn_{0.4}Ni_{0.6}Fe₂O₄ NP s Synthesized by PEG Assisted Hydrothermal Method. International Conference on Nanoscale magnetism ICNM-2010, September 28-October 2, 2010, Gebze-TURKEY. (Tam Metin Bildiri/) (Yayın No: 1148851)
35. BAYKAL ABDULHADİ (2010). PEG assisted synthesis of Mn₃O₄ Nanoparticles Structural and Magnetic Study. NanoTR-VI'6 Conference, 2010, Çeşme-İzmir (Tam Metin Bildiri/) (Yayın No: 1148768)
36. BAYKAL ABDULHADİ (2010). Synthesis And Magnetic Characterization Of Cobalt Doped Zinc Ferrite Magnetic Nanoparticles Via A Peg Assisted Route. NanoTR-VI'6 Conference, 2010, Çeşme-İzmir (Tam Metin Bildiri/) (Yayın No: 1148715)
37. BAYKAL ABDULHADİ (2010). Synthesis Conductivity and Dielectric Characterization of Salicylic Acid Fe₃O₄ Nanocomposite. NanoTR-VI'6 Conference, 2010, Çeşme-İzmir (Tam Metin Bildiri/) (Yayın No: 1148702)
38. BAYKAL ABDULHADİ (2010). CoxZn_{1-x}Fe₂O₄ x = 0 0.2 0.4 0.8 Nanoparticles Synthesized by Microwave Method. NanoTR-VI'6 Conference, 2010, Çeşme-İzmir (Tam Metin Bildiri/) (Yayın No: 1148695)
39. BAYKAL ABDULHADİ (2010). Covalent Immobilization of Invertase on PAMAM Dendrimer Modified Superparamagnetic Iron Oxide Nanoparticles. NanoTR-VI'6 Conference, 2010, Çeşme-İzmir (Tam Metin Bildiri/) (Yayın No: 1148759)
40. BAYKAL ABDULHADİ (2010). Polyol Synthesis of PVP Mn₃O₄ Nanocomposite. NanoTR-VI'6 Conference, 2010, Çeşme-İzmir (Tam Metin Bildiri/) (Yayın No: 1148787)

41. BAYKAL ABDULHADİ (2010). Sonochemical Synthesis and Characterization of Mn₃O₄ Nanoparticles. International Conference on Superconductivity and Magnetism, 25-30 April 2010, Antalya, TURKEY. (Tam Metin Bildiri/) (Yayın No: 1148674)
42. BAYKAL ABDULHADİ (2010). Magnetic properties of Mn₀ 6Ni₀ 4Fe₂O₄ nanoparticles synthesized by PEG assisted hydrothermal method. International Conference on Superconductivity and Magnetism, 25-30 April 2010, Antalya, TURKEY. (Tam Metin Bildiri/) (Yayın No: 1148688)
43. BAYKAL ABDULHADİ (2010). Synthesis and magnetic characterization of CuFe₂O₄ nanorods by Polyol Method. International Conference on Superconductivity and Magnetism, 25-30 April 2010, Antalya, TURKEY (Tam Metin Bildiri/) (Yayın No: 1148655)
44. BAYKAL ABDULHADİ (2010). Synthesis structural and conductivity characterization of alginic acid Fe₃O₄ nanocomposite. International Conference on Superconductivity and Magnetism, 25-30 April 2010, Antalya, TURKEY. (Tam Metin Bildiri/) (Yayın No: 1148669)
45. BAYKAL ABDULHADİ (2010). Magnetic properties of Mn₀ 4Ni₀ 6Fe₂O₄ nanoparticles synthesized by PEG assisted hydrothermal method. International Conference on Superconductivity and Magnetism, 25-30 April 2010, Antalya, TURKEY. (Tam Metin Bildiri/) (Yayın No: 1148681)
46. BAYKAL ABDULHADİ (2010). Polyol Synthesis of PVP Mn₃O₄ Nanocomposite. International Conference on Superconductivity and Magnetism, 25-30 April 2010, Antalya, TURKEY. (Tam Metin Bildiri/) (Yayın No: 1148647)
47. BAYKAL ABDULHADİ (2010). Magnetic and dielectric characterization of alginic acid Fe₃O₄ nanocomposite. International Conference on Superconductivity and Magnetism, 25-30 April 2010, Antalya, TURKEY (Tam Metin Bildiri/) (Yayın No: 1148635)
48. BAYKAL ABDULHADİ (2009). Proton Conductivity Survey of the Acid Doped Copolymers based on 4 Vinylbenzylboronic acid and 4 5 Vinylimidazole. APA-2009 Polymer Science and Technology: Vision and Scenario, December 17-19, New Delhi, India. (Tam Metin Bildiri/) (Yayın No: 1148627)
49. BAYKAL ABDULHADİ (2009). Conducting and Magnetic PVTri Fe₃O₄ Nanocomposites. APA-2009 Polymer Science and Technology: Vision and Scenario, December 17-19, New Delhi, India (Tam Metin Bildiri/) (Yayın No: 1148603)
50. BAYKAL ABDULHADİ (2009). Preparation and Characterization Polyaniline Mn₃O₄ nanocomposite. APA-2009 Polymer Science and Technology: Vision and Scenario, December 17-19, New Delhi, India (Tam Metin Bildiri/) (Yayın No: 1148614)
51. BAYKAL ABDULHADİ (2008). A Novel Synthetic Route to Mn₃O₄ Nanoparticles and Their Magnetic Evaluation. 2nd International Conference on Functional Materials and Devices", 16-19 June 2008, Kuala-Lumpur, Malaysia (Tam Metin Bildiri/) (Yayın No: 1148546)
52. BAYKAL ABDULHADİ (2008). Synthesis and Characterization of CoxZn_{1-x}Fe₂O₄ magnetic nanoparticles via a PEG assisted route. International Conference on Superconductivity and Magnetism, ICSM-2008, 25-29 August 2008, Side-Antalya. (Tam Metin Bildiri/) (Yayın No: 1148575)
53. BAYKAL ABDULHADİ (2008). Cation Distribution and Magnetic properties of Ni Zn ferrite nanoparticles synthesized by PEG assisted hydrothermal route. International Conference on Superconductivity and Magnetism, ICSM-2008, 25-29 August 2008, Side-Antalya (Tam Metin Bildiri/) (Yayın No: 1148560)
54. BAYKAL ABDULHADİ (2008). Synthesis of Supermagnetic Nanoparticles by a Novel Method and Their Magnetic Characterization. 2nd International Conference on Functional Materials and Devices", 16-19 June 2008, Kuala-Lumpur, Malaysia. (Tam Metin Bildiri/) (Yayın No: 1148554)
55. BAYKAL ABDULHADİ (2008). Synthesis of Fe₃O₄ nanoparticles at 100 oC and its magnetic characterization. 2nd ISS-Physics of Functional Micro- and Nanostructures, Sep. 2008, 43, Hamburg/Germany. (Tam Metin Bildiri/) (Yayın No: 1148596)
56. BAYKAL ABDULHADİ (2008). Synthesis and Characterization of Zn₀ 6Ni₀ 4Fe₂O₄ magnetic nanoparticles via a PEG assisted hydrothermal route. International Conference on Superconductivity and Magnetism, ICSM-2008, 25-29 August 2008, Side-Antalya (Tam Metin Bildiri/) (Yayın No: 1148581)
57. BAYKAL ABDULHADİ (2007). Synthesis and Characterization of NiFe₂O₄ Nanoparticles by CTAB Assisted Hydrothermal method. International Conference on Nanoscale magnetism, ICNM 2007 (Tam Metin Bildiri/) (Yayın No: 1148468)
58. BAYKAL ABDULHADİ (2007). Synthesis and Characterization of NiFe₂O₄ Nano octahedrons by EDTA assisted Hydrothermal Method. German-Turkish University Conference and project market place on applied Research and Innovation, Braunschweig (Tam Metin Bildiri/) (Yayın No: 1148461)
59. BAYKAL ABDULHADİ (2007). Synthesis and Magnetic Properties of Octahedral Ferrite Ni_xCo_{1-x}Fe₂O₄ Nanocrystals. German-Turkish University Conference and project market place on applied Research and Innovation, Braunschweig (Tam Metin Bildiri/) (Yayın No: 1148451)
60. BAYKAL ABDULHADİ (2007). Synthesis and Characterization of ZnFe₂O₄ Magnetic nanoparticles via PEG Assisted Route. EASTMAG-2007, Magnetism on Nanoscale, Kazan, Tataristan, (Tam Metin Bildiri/) (Yayın No: 1148513)

61. BAYKAL ABDULHADİ (2007). Magnetic Characterization of Co₃O₄ Synthesized by Different Methods. International Conference on Nanoscale Magnetism, ICNM 2007 (Tam Metin Bildiri/) (Yayın No: 1148482)
62. BAYKAL ABDULHADİ (2007). Low Temperature Synthesis and magnetic Characterization of Fe₃O₄ NP s. International Conference on Nanoscale Magnetism, ICNM 2007 (Tam Metin Bildiri/) (Yayın No: 1148491)
63. BAYKAL ABDULHADİ (2007). Synthesis and Magnetic Investigation of Mn₃O₄ NP s International Conference on Nanoscale Magnetism. ICNM 2007 (Tam Metin Bildiri/) (Yayın No: 1148500)
64. BAYKAL ABDULHADİ (2007). Microwave Induced Combustion Synthesis and Characterization of Ni_xCo_{1-x}Fe₂O₄ Nanocrystals X = 0, 0.6, 1, 0.2nd Symposium on Microwave Accelerated Synthesis. M.A.S.-07 (Tam Metin Bildiri/) (Yayın No: 1148525)
65. BAYKAL ABDULHADİ (2005). Metal Ion Interaction of Acid and Esters Terminated Polyamido Dendrimers. 11th UIPAC International Symposium on Macromolecule-Metal Complexes, Tirrenia (Pisa), Italy (Tam Metin Bildiri/) (Yayın No: 1148426)
66. BAYKAL ABDULHADİ (2000). The High Temperature synthesis of Sr₃B₂P₃O₁₂ Schriften des Forschungszentrums Jülich Reihe Energietechnik V 15 Part I 177 2000.], Schriften des Forschungszentrums Jülich, Reihe Energietechnik (Tam Metin Bildiri/) (Yayın No: 1148404)
67. BAYKAL ABDULHADİ (1999). Hydrothermal and Microwave Synthesis of Boron Phosphate BPO₄. Colloquium Spectroscopicum Internationale XXXI (Tam Metin Bildiri/) (Yayın No: 1147957)
68. BAYKAL ABDULHADİ (1999). X ray Powder Diffraction and IR Study of Strontium and barium Borophosphates SrBPO₅ BaBPO₅. Colloquium Spectroscopicum Internationale XXXI (Tam Metin Bildiri/) (Yayın No: 1147962)
69. BAYKAL ABDULHADİ (1994). Measurement of Gas Pollutants at Uludağ Mountain of Northwestern Turkey. EUROTRAC Symposium 94 (Tam Metin Bildiri/) (Yayın No: 1147946)

C. Yazılan ulusal/uluslararası kitaplar veya kitaplardaki bölümler:

C1. Yazılan ulusal/uluslararası kitaplar:

1. Superconducting Materials: Fundamentals, Synthesis and Applications (2022)., Hannachi Essia, Slimani Yassine Abdelhamid, Springer Nature, Basım sayısı:1, Sayfa Sayısı 399, ISBN:9811912114, İngilizce(Bilimsel Kitap) (Yayın No: 8804251)

C. Yazılan ulusal/uluslararası kitaplar veya kitaplardaki bölümler:

C2. Yazılan ulusal/uluslararası kitaplardaki bölümler:

1. Magnetic Nanoparticles and Polymer Nanocomposites: Fundamentals and Biological, Environmental and Energy Applications, Bölüm adı:(Impact of the rare earth elements doping on the copper ferrite spinel magnetic nanoparticles) (2024)., K. Elaya Kumar K. Elaya Kumar,Manikandan A,V. Sathana V. Sathana,S. Muthulingam S. Muthulingam,M. Maria Julie M. Maria Julie,R. Thilak Kumar R. Thilak Kumar,A. Dinesh A. Dinesh,M. Durka M. Durka,Almessiere M.A.,Slimani Yasin,BAYKAL ABDULHADİ,Anish Khan Anish Khan, Elsevier, WoodHead Publishing, Editör:Anish Khan Anish Khan, Imran Khan Imran Khan, Mohammad Mujahid Ali Khan Mohammad Mujahid Ali Khan, Basım sayısı:1, Sayfa Sayısı 612, ISBN:978-0-323-85748-2, İngilizce(Bilimsel Kitap) (Yayın No: 8957230)
2. Magnetic Nanoparticles and Polymer Nanocomposites: Fundamentals and Biological, Environmental and Energy Applications, Bölüm adı:(Removal of organic pollutants from wastewater using spinel manganese ferrite nanoparticles) (2024)., V. Sathana V. Sathana,K. Elaya Kumar K. Elaya Kumar,S. Muthulingam S. Muthulingam,Ayyar Manikandan Ayyar Manikandan,R. Rajikha R. Rajikha,S. Analisa S. Analisa,A. Dinesh A. Dinesh,M. Durka M. Durka,Almessiere M.A.,Slimani Yasin,BAYKAL ABDULHADİ,Anish Khan Anish Khan, Elsevier, WoodHead Publishing, Editör:Anish Khan Anish Khan, Imran Khan Imran Khan, Mohammad Mujahid Ali Khan Mohammad Mujahid Ali Khan, Basım sayısı:1, Sayfa Sayısı 612, ISBN:978-0-323-85748-2, İngilizce(Bilimsel Kitap) (Yayın No: 8957840)
3. Magnetic Nanoparticles and Polymer Nanocomposites: Fundamentals and Biological, Environmental and Energy Applications, Bölüm adı:(Magnetic nanocomposites for energy storage and wastewater treatment applications) (2024)., M. Jarvin M. Jarvin,Ayyar Manikandan Ayyar Manikandan,D. Rani Rosaline D. Rani Rosaline,S.S.R. Inbanathan S.S.R. Inbanathan,A. Dinesh A. Dinesh,K. Thanrasu K. Thanrasu,K. Kanmani Raja K. Kanmani Raja,Almessiere M.A.,Slimani Yasin,BAYKAL ABDULHADİ,Anish Khan Anish Khan,Maqsood Ahmad Malik Maqsood Ahmad Malik, Elsevier, WoodHead Publishing, Editör:Anish Khan Anish Khan, Imran Khan Imran Khan, Mohammad Mujahid Ali Khan Mohammad Mujahid Ali Khan, Basım sayısı:1, Sayfa Sayısı 612, ISBN:978-0-323-85748-2, İngilizce(Bilimsel Kitap) (Yayın No: 8957277)
4. Magnetic Nanoparticles and Polymer Nanocomposites: Fundamentals and Biological, Environmental and Energy Applications, Bölüm adı:(Bölüm 4: Biomedical applications of rare earth element (REE) doped magnetic ferrite nanoparticles and nanocomposites) (2024)., Kumar K. Elaya,Manikandan Ayyar,Mulhulingam S,Dinesh A.,Thanrasu K.,Raja K.K.,Kumar R.T.,Almessiere M.A.,Slimani Yasin,BAYKAL ABDULHADİ,Janagathan S.K.,Khan Anish,Asiri A.M.,

Elsevier, WoodHead Publishing, Editör:Khan Anish, Khan Imran, Khan Mohammad Mujahid Ali, Basım sayısı:1, Sayfa Sayısı 612, ISBN:978-0-323-85748-2, İngilizce(Bilimsel Kitap) (Yayın No: 8956924)

5. Magnetic Nanoparticles and Polymer Nanocomposites: Fundamentals and Biological, Environmental and Energy Applications (2024)., D. Rani Rosaline D. Rani Rosaline,V. Daphne V. Daphne,G. Srividya G. Srividya,P. Nivetha P. Nivetha,M. Jarvin M. Jarvin,S. Ashok Kumar S. Ashok Kumar,Ayyar Manikandan Ayyar Manikandan,S.S.R. Inbanathan S.S.R. Inbanathan,A. Dinesh A. Dinesh,K. Thanrasu K. Thanrasu,K. Kanmani Raja K. Kanmani Raja,Almessiere M.A.,Slimani Yasin,BAYKAL ABDULHADİ,Anish Khan Anish Khan,Abdullah M. Asiri Abdullah M. Asiri,Niraj S. Topare Niraj S. Topare,Amita Somya Amita Somya, Elsevier, WoodHead Publishing, Editör:Anish Khan Anish Khan, Imran Khan Imran Khan, Mohammad Mujahid Ali Khan Mohammad Mujahid Ali Khan, Basım sayısı:1, Sayfa Sayısı 612, ISBN:978-0-323-85748-2, İngilizce(Bilimsel Kitap) (Yayın

D. Ulusal hakemli dergilerde yayımlanan makaleler :

1. Slimani Yasin, Al Naji Zainab, E. Hannachi E. Hannachi, nawaz muhammed, Sivakumar R, akhtar sultan, Almessiere M.A., BAYKAL ABDULHADİ, vignesh r, tahakur atul, Thakur preeti (2024). Efficient photocatalysis of Zn_{1-2x}EuxDyxO nanoparticles towards the degradation of hazardous Rhodamine B dye. Inorganic Chemistry Communication, 159, 111803, Doi: 10.1016/j.inoche.2023.111803 (Kontrol No: 8937785)
2. ÜNAL BAYRAM, Almessiere M.A., BAYKAL ABDULHADİ, DEMİR KORKMAZ AYŞE, Gondal Mohammed Ashraf, Slimani Yasin (2023). Investigation of substitutional impact of vanadium ion (V³⁺) over conductivity and dielectric features of SrCo hexaferrites. applied physics a, 129, 819, Doi: 10.1007/s00339-023-07107-w (Kontrol No: 8634062)
3. Ansari Mohammad Azam, Govindasamy Rajakumar, Begum Mohammed Yasmin, Ghazwan Mohammed, Alqahtani Ali, Alomary Mohammad N., Jamous Yahya F., Alyahya Sami A., Asiri Sarah, Khan Firdos Alam, Almessiere M.A., BAYKAL ABDULHADİ (2023). Bioinspired ferromagnetic CoFe₂O₄ nanoparticles: Potential pharmaceutical and medical applications . Nanotechnology Reviews, 12, 20230575, Doi: 10.1515/ntrev-2023-0575 (Kontrol No: 8408987)
4. ÇALIŞKAN SERKAN, Almessiere M.A., BAYKAL ABDULHADİ, Slimani Y, Demir Korkmaz Ayse, GÜNGÜNEŞ HAKAN, Auwal I.A. (2023). Structural, magnetic properties, and hyperfine interactions of Ni_{0.8}Cu_{0.1}Zn_{0.1}MoxFe_{2-2x}O₄ (0.0 ≤ x ≤ 0.1) nanospinel ferrites. Applied Physics A, 129, Doi: 10.1007/s00339-023-06867-9 (Kontrol No: 8408409)
5. BAYKAL ABDULHADİ, Almessiere M.A., Slimani Yasin (2022). One-pot synthesis of hard/soft SrFe₁₀O₁₉/x(Ni_{0.8}Zn_{0.2}Fe_{1.8}Cr_{0.2}O₄) nanocomposites: Electrical features and reflection losses. Elsevier BV, 48, Doi: 10.1016/j.ceramint.2022.05.214 (Kontrol No: 8454236)
6. BAYKAL ABDULHADİ, sözeri hüseyin, sözeri hüseyin, Korkmaz Ayse Demir (2018). Concentration and temperature-dependent magnetic properties of Ba_{1-x}ZnxFe₁₂O₁₉ hexaferrites. Elsevier BV, 44, Doi: 10.1016/j.ceramint.2017.10.033 (Kontrol No: 8454254)
7. BAYKAL ABDULHADİ, Shirsath S.E., Shirsath S.E., Asiri Sarah, güngüneş hakan, güngüneş hakan (2017). Synthesis and Characterization of Cu-Mn Substituted SrFe₁₂O₁₉ Hexaferrites. Springer Science and Business Media LLC, 28, Doi: 10.1007/s10904-017-0691-9 (Kontrol No: 8454252)

Teknik Not, Vaka Takdimi, Araştırma notu vb.

1. Kısa Makale, ÇALIŞKAN SERKAN, Almessiere M.A., BAYKAL ABDULHADİ, Slimani Yasin, Baig Umair (2023). S. Caliskan, M.A. Almessiere, A. Baykal, Y. Slimani, U. Baig, Structural and magnetic features of Pr, PrY, PrYdoped and undoped CoNi nanospinel ferrites, Inorg. Chem. Comm. 153 (2023) 110752. Inorganic Chemistry Communications, 153, 110752, Doi: 10.1016/j.inoche.2023.110752 (Yayın No: 8489560)
2. Kısa Makale, Slimani Yassine Abdelhamid, Almessiere M.A., BAYKAL ABDULHADİ, GÜNGÜNEŞ HAKAN, Alsalem Zainab Hassan, DEMİR KORKMAZ AYŞE, Akhtar Sultan Zafar, ÇALIŞKAN SERKAN (2023). Impact of Er-Y co-doping on structure, magnetic features, and hyperfine interactions of NiCo nanospinel ferrites: Sonochemical synthesis. INORGANIC CHEMISTRY COMMUNICATIONS, 152, 110719, Doi: 10.1016/j.inoche.2023.110719 (Yayın No: 8489525)
3. Kısa Makale, Slimani Yassine Abdelhamid, Almessiere M.A., BAYKAL ABDULHADİ, Alsulaim S.E, Trukhanov Sergei V., Klygach Denis Sergeevich, Tatsiana I Zubar, Vakhitov Maksim, Trukhanov Alex V., Jermy Rabindran, Ul-Hamid Anwar (2023). Magnetic and microwave properties of Co_{0.5}Ni_{0.5}Fe_{2-Sc}O₄ (0.0 ≤ x ≤ 0.1) nanosized spinel ferrites. INORGANIC CHEMISTRY COMMUNICATIONS, 151, 110574, Doi: 10.1016/j.inoche.2023.110574 (Yayın No: 8489510)

Editörlük

1. Journal of Superconductivity and Novel Magnetism (SCI-Expanded), Dergi, Yrd. Editör, Springer Nature, 02.01.2021

Üniversite Dışı Deneyim

2000-2000 **Öğretim Görevlisi** İnönü Üniversitesi, Akademik, (Kamu)

1991-2009 **Aras.Gor.** ODTU, Asistanlık, (Kamu)