

## Lect. PhD MEHPEYKER KOCAKOÇ

### Personal Information

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### International Researcher IDs

ORCID: 0000-0001-7966-1482

Publons / Web Of Science ResearcherID: E-5678-2018

Yoksis Researcher ID: 102246

### Education Information

Doctorate, Ondokuz Mayıs University, Fen Bilimleri, Fizik, Turkey 2009 - 2014

Postgraduate, Ondokuz Mayıs University, Fen Edebiyat, Fizik, Turkey 2006 - 2009

### Dissertations

Doctorate, Kuantum Bilgi Teorisinde Dönme İşlemcileri ve EPR Tekniğinin Uygulanabilirliği, Ondokuz Mayıs University, Fen Edebiyat Fakültesi, Fizik, 2014

Postgraduate, Acesülfam metal komplekslerinin yapısal özelliklerinin EPR ile incelenmesi, Ondokuz Mayıs University, Fen Edebiyat Fakültesi, Fizik, 2009

### Research Areas

Computer Sciences, Physics, Atomic and Molecular Physics, Atomic and Molecular Interactions, Natural Sciences, Engineering and Technology

### Academic Titles / Tasks

Lecturer PhD, Cukurova University, İmamoğlu Myo, Bilgisayar Teknolojileri, 2012 - Continues

### Courses

Temel Elektrik, Associate Degree, 2014 - 2015

Temel Elektrik ve Elektronik, Associate Degree, 2014 - 2015

Temel Bilgi Teknolojileri, Associate Degree, 2014 - 2015

Temel Bilgi Teknolojisi, Associate Degree, 2014 - 2015

Temel Bilgi Teknolojisi Kullanımı, Associate Degree, 2013 - 2014

### Published journal articles indexed by SCI, SSCI, and AHCI

- I. **EPR Investigation of Organic Radicals in Chert Found in Alluvial Soil of Kizilirmak Delta Basin**  
Cemberci M., KOCAKOÇ M.  
APPLIED MAGNETIC RESONANCE, vol.53, no.11, pp.1527-1538, 2022 (SCI-Expanded)

## Articles Published in Other Journals

- I. **Controlled Not (Cnot) Gate For Two Qutrit Systems**  
KOCAKOÇ M., TAPRAMAZ R.  
IOSR Journal of Applied Physics (IOSR-JAP), vol.10, no.6, pp.16-19, 2018 (Peer-Reviewed Journal)
- II. **Formation of Matrices of  $S = 1$ ,  $S = 3/2$  Spin Systems in Quantum Information Theory Formation of Matrices Some Spin Systems**  
KOCAKOÇ M., tapramaz r.  
JOURNAL OF NEW RESULTS IN SCIENCE (JNRS), no.7, pp.9-12, 2018 (Peer-Reviewed Journal)
- III. **Some Systems of Quantum Computing**  
KOCAKOÇ M., tapramaz p.  
Journal of New Results in Engineering and Natural Science, pp.11-15, 2018 (Peer-Reviewed Journal)
- IV. **Some Transactions Made with Hadamard Gate in Qutrit Systems**  
KOCAKOÇ M., tapramaz p.  
Journal of New Results in Engineering and Natural Science, pp.6-10, 2018 (Peer-Reviewed Journal)

## Refereed Congress / Symposium Publications in Proceedings

- I. **Demonstration of Energy Levels and Transition Energies in Qutrit Systems ( $S=1, I_1=1, I_2=1, I_3=1$ )**  
KOCAKOÇ M., TAPRAMAZ R.  
3rd International Mediterranean Science and Engineering Congress (IMSEC 2018), Adana, Turkey, 24 - 26 October 2018, pp.1-4
- II. **Natural Radioactivity Study of Soil Samples from Some Villages in Mersin**  
Yüksel M., Doğan T., Kocakoç M., Akça S., Portakal Z. G., Topaksu M.  
11th International Conference On Luminescence And ESR Dosimetry (LumiDoz-11), Gaziantep, Turkey, 5 - 07 September 2018, pp.39
- III. **Natural Radioactivity Study of Soil Samples from Some Villages in Mersin**  
YÜKSEL M., DOĞAN T., KOCAKOÇ M., AKÇA S., PORTAKAL Z. G., TOPAKSU M.  
11th International Conference On Luminescence And ESR Dosimetry (LumiDoz-11), Gaziantep, Turkey, 5 - 07 September 2018, pp.39
- IV. **Some Systems of Quantum Computing**  
KOCAKOÇ M., TAPRAMAZ R.  
International Symposium on Multidisciplinary Studies and Innovative Technologies (ISMSIT 2017), Tokat, Turkey, 2 - 04 November 2017, pp.226
- V. **Formation of Matrices of  $S = 1$ ,  $S = 3/2$  Spin Systems in Quantum Information Theory**  
KOCAKOÇ M., TAPRAMAZ R.  
Symposium on Multidisciplinary Studies and Innovative Technologies (ISMSIT 2017), Tokat, Turkey, 2 - 04 November 2017, pp.214
- VI. **Some Transactions Made with Hadamard Transition in Qutrit Systems**  
KOCAKOÇ M., TAPRAMAZ R.  
International Symposium on Multidisciplinary Studies and Innovative Technologies (ISMSIT 2017), Tokat, Turkey, 2 - 04 November 2017, pp.224
- VII. **'EPR Spektroskopisi İle  $[Cu(acs)_2(H_2O)_4]$  Tek Kristalinin İncelenmesi'**  
KOCAKOÇ M., TAPRAMAZ R.  
2nd International Mediterranean Science and Engineering Congress (IMSEC 2017), Adana, Turkey, 25 - 27 October

2017, no.705, pp.705-707

- VIII. **Radioactivity Investigation of Samples of Ünye Hill Yunus Emre**  
KOCAKOÇ M., DOĞAN T., TOPAKSU M., YÜKSEL M.  
Theoretical and Experimental Studies in Nuclear Applications and Technology-TESNAT, 10 - 12 May 2017
- IX. **Preliminary study on natural radionuclide concentrations in some soil samples**  
Yüksel M., Doğan T., Kocakoç M., Topaksu M.  
Theoretical and Experimental Studies in Nuclear Applications and Technology-TESNAT-2017, Adana, Turkey, 10 - 12 May 2017, pp.118
- X. **Samples Investigation Radioactivity of Ünye Hill Yunus Emre**  
KOCAKOÇ M., DOĞAN T., TOPAKSU M., YÜKSEL M.  
Theoretical and Experimental Studies in Nuclear Applications and Technology-TESNAT, Adana, Turkey, 10 - 12 May 2017, pp.141
- XI. **Radioecological analysis of Unye Curi beach and Golevi neighbourhood**  
KOCAKOÇ M., DOĞAN T., TOPAKSU M., YÜKSEL M.  
3rd International Conference on Theoretical and Experimental Studies in Nuclear Applications and Technology (TESNAT2017), Adana, Turkey, 10 - 12 May 2017, pp.128
- XII. **Radioactivity investigation of samples of Unye Hill Yunus Emre**  
KOCAKOÇ M., TOPAKSU M., DOĞAN T., YÜKSEL M.  
3rd International Conference on Theoretical and Experimental Studies in Nuclear Applications and Technology (TESNAT2017), Adana, Turkey, 10 - 12 May 2017, pp.127
- XIII. **Radioecological Analysis of Ünye Curi Beach and Gölevi Neighbourhood**  
Kocakoç M., Doğan T., Topaksu M., Yüksel M.  
Theoretical and Experimental Studies in Nuclear Applications and Technology-TESNAT, Adana, Turkey, 10 - 12 May 2017, pp.128
- XIV. **Radioecological Analysis of Samsun-Ordu Highway Soil Samples**  
KOCAKOÇ M., YÜKSEL M., DOĞAN T., TOPAKSU M., UĞUR F. A.  
10th International Conference on Luminescence and ESR Dosimetry, Adana, Turkey, 5 - 07 September 2016, pp.59
- XV. **Radioecological Analysis of Ünye Soil Samples**  
Kocakoç M., Yüksel M., Doğan T., Topaksu M., Uğur F. A.  
International Conference on Theoretical and Experimental Studies in Nuclear Applications and Technology (TESNAT2016), Hatay, Turkey, 28 - 30 April 2016, pp.118
- XVI. **Explicit Expressions of Quantum Mechanical Rotation Operators for Spins 1 to 2**  
KOCAKOÇ M., Tapramaz R.  
9th International Physics Conference of the Balkan-Physical-Union (BPU), İstanbul, Turkey, 24 - 27 August 2015, vol.1722
- XVII. **Electron Paramagnetic Resonance Spectral Study of [Mn(acs)(2)(2-pic)(2)(H2O)(2)] Single Crystals**  
KOCAKOÇ M., Tapramaz R.  
9th International Physics Conference of the Balkan-Physical-Union (BPU), İstanbul, Turkey, 24 - 27 August 2015, vol.1722
- XVIII. **Electron paramagnetic resonance spectral study on single crystals of Mn acs 282 pic 2 H2O 2**  
KOCAKOÇ M., TAPRAMAZ R.  
9th International Physics Conference of the Balkan Physical Union, 24 - 27 August 2015
- XIX. **Explicit Expressions of Quantum Mechanical Rotation Operators For Spin 1 to 7 2**  
KOCAKOÇ M., TAPRAMAZ R.  
9th International Physics Conference of the Balkan Physical Union, 24 - 27 August 2015
- XX. **Created with Crystallized on Acesulfame of Metal Complexes [Mn(acs)2(H2O)4] Single Crystal Examination EPR**  
KOCAKOÇ M.  
ISTANBUL UNIVERSITY WORLD CONFERENCE ON TECHNOLOGY, INNOVATION AND ENTREPRENEURSHIP ? ENTREPRENEURSHIP FOR TECHNOLOGY AND INNOVATION - BASED SUSTAINABLE DEVELOPMENT?, İstanbul, Turkey, 28 - 30 May 2015, vol.978-605-, pp.55

- XXI. **created with crystallized on acesulfame of metal complexes Mn acs 2 h2O 4 single crystal examination EPR**  
KOKAÇOĞ M., TAPRAMAZ R.  
Istanbul University World Conference on Technology, Innovation and entrepreneurship, 28 - 30 May 2015
- XXII. **Two Qutrit System for Controlled CNOT (Cnote) Gateway**  
KOKAÇOĞ M.  
ISTANBUL UNIVERSITY WORLD CONFERENCE ON TECHNOLOGY, INNOVATION AND ENTREPRENEURSHIP ? ENTREPRENEURSHIP FOR TECHNOLOGY AND INNOVATION - BASED SUSTAINABLE DEVELOPMENT?, İstanbul, Turkey, 28 - 30 May 2015, vol.978-605-, pp.56
- XXIII. **Elektron Paramnyetik Rezonans Spektroskopisi Kullanılarak Kuantum Bilgisayarlarının Gerçekleştirildiği sistemler**  
KOKAÇOĞ M., TAPRAMAZ R.  
Türk Fizik Derneği 31.Uluslararası Fizik Kongresi, 21 - 24 July 2014, pp.58
- XXIV. **S=1 spin sistemine sahip Biradikaller için Hamiltonien Oluşturulması ve Matris Gösterimi**  
KOKAÇOĞ M., TAPRAMAZ R.  
Türk Fizik Derneği 31.Uluslararası Fizik Kongresi, Muğla, Turkey, 21 - 24 July 2014, pp.59
- XXV. **Elektron Paramanyetik Rezonans Spektroskopisi Kullanılarak Kuantum Bilgisayarlarının Gerçekleştirildiği Sistemler**  
KOKAÇOĞ M., TAPRAMAZ R.  
Türk Fizik Derneği 31. Uluslararası Fizik Kongresi, Muğla, Turkey, 21 July 2014 - 24 July 2013, pp.58
- XXVI. **Fotonik Teknolojisi ve Uygulama Alanları?**  
KOKAÇOĞ M., TAPRAMAZ R.  
Türk Fizik Derneği 31. Uluslararası Fizik Kongresi, Muğla, Turkey, 21 - 24 July 2014, pp.292
- XXVII. **S=1 Spin Sistemine Sahip Biradikaller İçin Hamiltonien Oluşturulması ve Matris Gösterimi**  
KOKAÇOĞ M., TAPRAMAZ R.  
Türk Fizik Derneği 31. Uluslararası Fizik Kongresi, Muğla, Turkey, 21 - 24 July 2014, pp.59
- XXVIII. **Kuantum bilgisayarları geliyor**  
KOKAÇOĞ M.  
Türk Fizik Derneği 30. Uluslararası Fizik Kongresi, İstanbul, Turkey, 2 - 05 September 2013, pp.365
- XXIX. **Acesulfam Metal Koplekslerinde Kromik Özellik**  
KOKAÇOĞ M.  
Türk Fizik Derneği 30.usullararası fizik kongresi, İstanbul, Turkey, 2 - 05 September 2013, pp.364
- XXX. **Acesulfam metal Komplekslerinde Kromik özellik**  
KOKAÇOĞ M.  
Türk Fizik Derneği 30. Uluslararası Fizik Kongresi, İstanbul, Turkey, 2 - 05 September 2013, pp.364
- XXXI. **Elektron Nükleer Double Rezonans tekniği**  
KOKAÇOĞ M.  
Türk Fizik Derneği 30. Uluslararası Fizik Kongresi, İstanbul, Turkey, 26 August - 05 September 2013, pp.364

## Supported Projects

KOKAÇOĞ M., YÜKSEL M., DOĞAN T., TOPAKSU M., UĞUR F. A., Project Supported by Higher Education Institutions, Ünye İlçesi ve Çevresinin Doğal Radyoaktivitesinin Belirlenmesi, 2015 - 2016

## Metrics

Publication: 36

## **Congress and Symposium Activities**

10th International Conference on Luminescence and ESR Dosimetry, 5-7 September 2016, Çukurova University, Adana, Turkey, Attendee, Adana, Turkey, 2016

International Conference on Theoretical and Experimental Studies in Nuclear Applications and Technology (TESNAT 2016), Attendee, Hatay, Turkey, 2016

STANBUL UNIVERSITY WORLD CONFERENCE ON TECHNOLOGY, INNOVATION AND ENTREPRENEURSHIP ? ENTREPRENEURSHIP FOR TECHNOLOGY AND INNOVATION - BASED SUSTAINABLE DEVELOPMENT?, Attendee, İstanbul, Turkey, 2015

ESR Spektroskopi Tekniğinin Çeşitli Uygulama Alanları Çalıştayı, Attendee, KONYA, Turkey, 2014

Fizik Derneği 31. Uluslararası Fizik Kongresi, Attendee, BODRUM, Turkey, 2014

Türk Fizik Derneği 30. Uluslararası Fizik Kongresi, Attendee, İSTANBUL, Turkey, 2013

## **Non Academic Experience**

Çukurova Üniversitesi İmamoğlu MYO