

## **Asst. Prof. VOLKAN ALTUNAL**

### **Personal Information**

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### **International Researcher IDs**

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Publons / Web Of Science ResearcherID: N-1604-2018

ScopusID: 56658720600

Yoksis Researcher ID: 285901

### **Education Information**

Doctorate, Cukurova University, Fen Bilimleri Enstitüsü, Fizik, Turkey 2016 - 2022

Postgraduate, Cukurova University, Fen Bilimleri, Fizik, Turkey 2013 - 2016

Undergraduate Double Major, Cukurova University, Fen Edebiyat Fakültesi, Matematik, Turkey 2010 - 2013

Undergraduate, Cukurova University, Fen Edebiyat Fakültesi, Fizik, Turkey 2008 - 2013

### **Foreign Languages**

English, C1 Advanced

### **Dissertations**

Doctorate, Development of BeO Ceramic OSL Dosimeters: Their Synthesis, Sintering and Luminescence Studies, Cukurova University, Fen Bilimleri Enstitüsü, 2020

Postgraduate, BeO OSL DOSIMETER: ITS SYNTHESIS AND LUMINESCENCE MECHANISMS, Cukurova University, Fen Bilimleri Enstitüsü, Fizik, 2016

### **Research Areas**

Physics, Nuclear physics, Natural Sciences

### **Academic Titles / Tasks**

Research Assistant, Cukurova University, Fen-Edebiyat Fakültesi, Fizik, 2018 - Continues

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

1. Luminescence properties of SrB6O10:Ce,Gd phosphor for applications in OSL dosimetry and lighting

Ozdemir A., ALTUNAL V., Guckan V., Kurt K., Kavgaci M., Takci K., Yigit O., Yegingil Z.

Journal of Luminescence, vol.273, 2024 (SCI-Expanded)

- II. **Investigation of the electronic band gap tuning by Si doping on BeO using UV-VIS spectroscopy and density functional theory**  
Özcan M., Altunal V., Yeğingil Z.  
MATERIALS TODAY COMMUNICATIONS, vol.39, pp.109328, 2024 (SCI-Expanded)
- III. **Luminescence properties of Ce and Be-doped CaAl<sub>12</sub>O<sub>19</sub> for dosimetric and light-emitting applications**  
ALTUNAL V., Ozdemir A., Kurt K., Yigit O., Guckan V., Isik B., Yegingil Z.  
Journal of Alloys and Compounds, vol.985, 2024 (SCI-Expanded)
- IV. **Nanostructured TLDs: Studying the impact of crystalline size on the Thermoluminescence glow-curve shape and electron trapping parameters**  
Tsoutsoumanos E., Saleh M., P.G. Konstantinidis., Altunal V., Sahare P. D., Yeğingil Z., T. Karakasidis., Kitis., Polymeris G.  
RADIATION PHYSICS AND CHEMISTRY, vol.212, pp.111067, 2023 (SCI-Expanded)
- V. **Thermoluminescence and optically stimulated luminescence properties of NaMgF<sub>3</sub>:Dy,Eu synthesized by hydrothermal method and DFT calculations for the bandgap**  
Guckan V., Bokhari S., Altunal V., Varan N. E., Kurt K., Yildiz I., Gao W., Yegingil Z.  
MATERIALS RESEARCH BULLETIN, vol.167, pp.112373, 2023 (SCI-Expanded)
- VI. **Studies of OSL properties of alkali- and rare earth-doped BeO based novel dosimeters for applications in external beam radiotherapy**  
Abusaid W., Altunal V., Akdeniz Y., Güçkan V., Ceyran G., Khandaker., Yeğingil Z.  
RADIATION PHYSICS AND CHEMISTRY, vol.212, pp.111136, 2023 (SCI-Expanded)
- VII. **Experimental and Monte Carlo study of energy response of BEO-based OSL detectors within photon energy range up to 15 MeV**  
Chumak V., Bakhanova E., Altunal V., Lawrence Y., Dubinski S., Yu Y., Liao L., Yeğingil Z.  
RADIATION PROTECTION DOSIMETRY, vol.199, no.15-16, pp.1829-1833, 2023 (SCI-Expanded)
- VIII. **Structural, mechanical, dielectric and defect properties of Eu-doped BeO ceramics: A computational and experimental approach**  
Fonseca D. P. D., Otsuka A., Rezende M. V. D. S., Santos J. L., Altunal V., Souza A. S., Yeğingil Z., Lima H.  
CERAMICS INTERNATIONAL, vol.49, no.18, pp.29647-29658, 2023 (SCI-Expanded)
- IX. **Effects of oxygen vacancies on luminescence characteristics of BeO ceramics**  
Altunal V., Guckan V., Yegingil Z.  
JOURNAL OF ALLOYS AND COMPOUNDS, vol.938, 2023 (SCI-Expanded)
- X. **Luminescence properties of Tb and Eu activated CaSO<sub>4</sub> phosphor**  
Guckan V., Bereket S., Altunal V., Abusaid W., Yegingil Z.  
RADIATION PHYSICS AND CHEMISTRY, vol.203, 2023 (SCI-Expanded)
- XI. **Structural and thermoluminescence properties of borate mineral ulexite**  
Altunal V., Mesto A., Guckan V., Kavgaci M., Ozdemir A., Abusaid W., Kurt K., Yegingil Z.  
JOURNAL OF LUMINESCENCE, vol.251, 2022 (SCI-Expanded)
- XII. **Development of BeO:Na,Yb,Dy ceramics for optically stimulated luminescence dosimetry**  
Altunal V., Jain M., Hayat S., Guckan V., Yegingil Z.  
RADIATION MEASUREMENTS, vol.158, 2022 (SCI-Expanded)
- XIII. **TL and OSL characteristics of the fluoroperovskite KMgF<sub>3</sub>:Eu,Yb, Li for dosimetry applications**  
Guckan V., Altunal V., Polymeris G. S., Ozdemir A., Zhydachevskyy Y., Yegingil Z.  
JOURNAL OF LUMINESCENCE, vol.251, 2022 (SCI-Expanded)
- XIV. **Luminescence characterization of Ce and Gd doped MgB<sub>4</sub>O<sub>7</sub> phosphors**  
Altunal V., Abusaid W., Guckan V., Özdemir A., Yeğingil Z.  
JOURNAL OF LUMINESCENCE, vol.246, pp.118815, 2022 (SCI-Expanded)
- XV. **Impact of Li concentration in KMgF<sub>3</sub>:Eu,Yb fluoroperovskite on structure and luminescence properties**

- Güçkan V., Kaya D., Altunal V., Ekicibil A., Karadağ F., Özdemir A., Yeğingil Z.  
JOURNAL OF ALLOYS AND COMPOUNDS, vol.902, pp.163810, 2022 (SCI-Expanded)
- XVI. **Three newly developed BeO-based OSL dosimeters**  
Altunal V., Guckan V., Ozdemir A., Zydachevskyy Y., Lawrence Y., Yu Y., Yegingil Z.  
JOURNAL OF LUMINESCENCE, vol.241, 2022 (SCI-Expanded)
- XVII. **Thermoluminescence dosimetry properties of Tm<sup>3+</sup> doped fluoroeplasilite Cs<sub>2</sub>NaYF<sub>6</sub> crystals synthesized under hydrothermal conditions**  
Khaidukov N., Makhov V., Guckan V., Altunal V., Ozdemir A., Kurt K., Abusaid W., Yeğingil Z.  
JOURNAL OF LUMINESCENCE, vol.239, 2021 (SCI-Expanded)
- XVIII. **A systematic study on luminescence characterization of lanthanide-doped BeO ceramic dosimeters**  
Altunal V., Guckan V., Ozdemir A., Ekicibil A., Karadağ F., Yegingil I., Zydachevskyy Y., Yeğingil Z.  
JOURNAL OF ALLOYS AND COMPOUNDS, vol.876, 2021 (SCI-Expanded)
- XIX. **Luminescence of Ce<sup>3+</sup> and Li<sup>+</sup> co-doped MgO synthesized using solid-state reaction method**  
Guckan V., Bokhari S. W., Altunal V., Ozdemir A., Gao W., Yeğingil Z.  
NUCLEAR INSTRUMENTS & METHODS IN PHYSICS RESEARCH SECTION B-BEAM INTERACTIONS WITH MATERIALS AND ATOMS, vol.503, pp.53-61, 2021 (SCI-Expanded)
- XX. **Use of infrared light-emitting diodes to determine dosimetric characteristics of MgO:Tb,Gd,Li via the optically stimulated luminescence technique**  
Guckan V., Altunal V., Ozdemir A., Kurt K., Yeğingil Z.  
JOURNAL OF LUMINESCENCE, vol.235, 2021 (SCI-Expanded)
- XXI. **Luminescence characteristics of newly-developed MgB<sub>4</sub>O<sub>7</sub>:Ce<sup>3+</sup>, Na<sup>+</sup> phosphor as an OSL dosimeter**  
Ozdemir A., Altunal V., Guckan V., Kurt K., Yeğingil Z.  
JOURNAL OF ALLOYS AND COMPOUNDS, vol.865, 2021 (SCI-Expanded)
- XXII. **Thermoluminescence in MgB<sub>4</sub>O<sub>7</sub>:Pr,Dy dosimetry powder synthesized by solution combustion synthesis method**  
Ozdemir A., Guckan V., Altunal V., Kurt K., Yegingil Z.  
JOURNAL OF LUMINESCENCE, vol.230, 2021 (SCI-Expanded)
- XXIII. **Cu, Li and K activated MgO: A metal oxide thermoluminescent synthesized using solution combustion technique for dosimetry**  
Guckan V., Altunal V., Ozdemir A., Kurt K., Yegingil Z.  
JOURNAL OF LUMINESCENCE, vol.230, 2021 (SCI-Expanded)
- XXIV. **Investigation of luminescence properties of BeO ceramics doped with metals for medical dosimetry**  
Altunal V., Guckan V., Özdemir A. C., Kurt K., Ekicibil A., Yeğingil Z.  
OPTICAL MATERIALS, vol.108, 2020 (SCI-Expanded)
- XXV. **A calcination study on BeO ceramics for radiation dosimetry**  
ALTUNAL V., GUCKAN V., ÖZDEMİR A. C., YEĞİNGİL Z.  
Materials Research Bulletin, vol.130, 2020 (SCI-Expanded)
- XXVI. **Optically stimulated luminescence of MgO:Na,Li phosphor prepared using solution combustion method**  
Guckan V., ALTUNAL V., ÖZDEMİR A. C., YEĞİNGİL Z.  
Journal of Alloys and Compounds, vol.835, 2020 (SCI-Expanded)
- XXVII. **A newly developed OSL dosimeter based on beryllium oxide: BeO:Na,Dy,Er**  
ALTUNAL V., GUCKAN V., YU Y., DICKER A., YEĞİNGİL Z.  
Journal of Luminescence, vol.222, 2020 (SCI-Expanded)
- XXVIII. **Calcination effects on europium doped zinc oxide as a luminescent material synthesized via sol-gel and precipitation methods**  
Guckan V., Altunal V., Ozdemir A., Tsiumra V., Zhydachevskyy Y., Yegingil Z.  
Journal of Alloys and Compounds, vol.823, 2020 (SCI-Expanded)
- XXIX. **Radiation dosimeter utilizing optically stimulated luminescence of BeO:Na,Tb,Gd ceramics**  
Altunal V., Guckan V., Ozdemir A., Yegingil Z.

Journal of Alloys and Compounds, vol.817, 2020 (SCI-Expanded)

- XXX. **Luminescence characteristics of Al-and Ca-doped BeO obtained via a sol-gel method**  
Altunal V., Guckan V., Ozdemir A., Can N., Yegingil Z.  
JOURNAL OF PHYSICS AND CHEMISTRY OF SOLIDS, vol.131, pp.230-242, 2019 (SCI-Expanded)
- XXXI. **Studies of blue light induced phototransferred thermoluminescence in CaSO<sub>4</sub>:Mg**  
Guckan V., Ozdemir A., Altunal V., Yegingil I., Yegingil Z.  
NUCLEAR INSTRUMENTS & METHODS IN PHYSICS RESEARCH SECTION B-BEAM INTERACTIONS WITH MATERIALS AND ATOMS, vol.448, pp.31-38, 2019 (SCI-Expanded)
- XXXII. **Effect of sintering temperature on dosimetric properties of BeO ceramic pellets synthesized using precipitation method**  
ALTUNAL V., GUCKAN V., ÖZDEMİR A. C., SOTELO A., YEĞİNGİL Z.  
Nuclear Instruments and Methods in Physics Research, Section B: Beam Interactions with Materials and Atoms, vol.441, pp.46-55, 2019 (SCI-Expanded)
- XXXIII. **Optically stimulated luminescence characteristics of BeO nanoparticles synthesized by sol-gel method**  
ALTUNAL V., YEĞİNGİL Z., TÜKEN T., Depci T., ÖZDEMİR A. C., GUCKAN V., Nur N., Kurt K., BULUR E.  
RADIATION MEASUREMENTS, vol.118, pp.54-66, 2018 (SCI-Expanded)
- XXXIV. **Characterization and some fundamental features of Optically Stimulated Luminescence measurements of silver activated lithium tetraborate**  
ÖZDEMİR A. C., ALTUNAL V., Guckan V., Can N., Kurt K., Yegingil I., YEĞİNGİL Z.  
Journal of Luminescence, vol.202, pp.136-146, 2018 (SCI-Expanded)
- XXXV. **Radiometric measurement of lignite coal and its by-products and assessment of the usability of fly ash as raw materials in Turkey**  
Turhan Ş., GÖREN E., Garad A. M., Altlkulaç A., Kurnaz A., Duran C., Hançerlioğulları A., ALTUNAL V., GÜÇKAN V., ÖZDEMİR A.  
Radiochimica Acta, vol.106, no.7, pp.611-621, 2018 (SCI-Expanded)
- XXXVI. **Thermoluminescence properties of Li<sub>2</sub>B<sub>4</sub>O<sub>7</sub>:Cu, B phosphor synthesized using solution combustion technique**  
ÖZDEMİR A. C., ALTUNAL V., Kurt K., Depci T., YU Y., LAWRENCE Y., Nur N., GUCKAN V., YEĞİNGİL Z.  
RADIATION PHYSICS AND CHEMISTRY, vol.141, pp.352-362, 2017 (SCI-Expanded)
- XXXVII. **Studying CaSO<sub>4</sub>:Eu as an OSL phosphor**  
Güçkan V., Altunal V., Nur N., Depci T., ÖZDEMİR A., Kurt K., Yu Y., Yegingil I., YEĞİNGİL Z.  
NUCLEAR INSTRUMENTS & METHODS IN PHYSICS RESEARCH SECTION B-BEAM INTERACTIONS WITH MATERIALS AND ATOMS, vol.407, pp.145-154, 2017 (SCI-Expanded)
- XXXVIII. **Thermoluminescence properties of non-stoichiometric Li<sub>2</sub>Si<sub>2</sub>O<sub>5</sub> synthesized from natural amethyst quartz**  
Nur N., GUCKAN V., Kizilkaya N., Depci T., Ahmedova C., ÖZDEMİR A. C., ALTUNAL V., YEĞİNGİL Z.  
JOURNAL OF LUMINESCENCE, vol.179, pp.366-371, 2016 (SCI-Expanded)
- XXXIX. **Determination of dosimetric properties of MgO doped natural amethyst samples**  
Nur N., GUCKAN V., Kizilkaya N., Depci T., Ahmedova C., YÜCEL A., ÖZDEMİR A. C., ALTUNAL V., Koc V., YEĞİNGİL Z.  
APPLIED RADIATION AND ISOTOPES, vol.116, pp.150-156, 2016 (SCI-Expanded)
- XL. **Thermoluminescence study of Mn doped lithium tetraborate powder and pellet samples synthesized by solution combustion synthesis**  
ÖZDEMİR A. C., YEĞİNGİL Z., Nur N., Kurt K., TÜKEN T., Depci T., TANSUĞ G., ALTUNAL V., GUCKAN V., SIĞIRCIK G., et al.  
JOURNAL OF LUMINESCENCE, vol.173, pp.149-158, 2016 (SCI-Expanded)
- XLI. **Study of thermoluminescence response of purple to violet amethyst quartz from Balıkesir, Turkey**  
Nur N., Yegingil Z., Topaksu M., Kurt K., Doğan T., Sarıgül N., Yüksel M., Altunal V., Özdemir A. C., Guckan V., et al.  
NUCLEAR INSTRUMENTS & METHODS IN PHYSICS RESEARCH SECTION B-BEAM INTERACTIONS WITH MATERIALS AND ATOMS, vol.358, pp.6-15, 2015 (SCI-Expanded)

## Articles Published in Other Journals

- I. **The Effect of Calcination Conditions on Luminescence Efficiency of BeO Ceramics Synthesized Using Co-Precipitation Method**  
ALTUNAL V., Güçkan V., ÖZDEMİR A., YEĞİNGİL Z.  
Journal of Investigations on Engineering Technology, vol.2, no.2, pp.40-44, 2019 (Peer-Reviewed Journal)
- II. **Structure Characterization and Luminescence Studies of MgO:Li Calcinated at Different Temperatures via Solution Combustion and Sol-Gel Methods**  
Güçkan V., ALTUNAL V., ÖZDEMİR A., YEĞİNGİL Z.  
Journal of Investigations on Engineering and Technology, vol.2, no.2, pp.45-48, 2019 (Peer-Reviewed Journal)

## Refereed Congress / Symposium Publications in Proceedings

- I. **Optically Stimulated Luminescence of MgB<sub>4</sub>O<sub>7</sub> Doped with Ce<sup>3+</sup> and Gd<sup>3+</sup>**  
Abusaïd W., Altunal V., Özdemir A., Güçkan V., Ekicibil A., Karadağ F., Yeğingil Z.  
International Conference on Oxide Materials for Electronic Engineering - fabrication, properties and applications, Lviv, Ukraine, 28 September - 02 October 2021, pp.120
- II. **Luminescence Characterization of BeO:Na5%,Ce0.01%,Er0.01% Ceramic**  
Altunal V., Güçkan V., Özdemir A., Abusaïd W., Ekicibil A., Karadağ F., Yeğingil Z.  
International Conference on Oxide Materials for Electronic Engineering -fabrication, properties and applications, Lviv, Ukraine, 28 September - 02 October 2021, pp.104
- III. **Developing new MgO luminophors with different dopants for dosimetry applications and determination of ESR properties**  
Güçkan V., ALTUNAL V., ÖZDEMİR A., ERÜNAL E., YEĞİNGİL Z.  
6th International Conference on Materials Science and Nanotechnology For Next Generation (MSNG2019), Niğde, Turkey, 16 - 18 October 2019
- IV. **A Study of BeO Luminophosphores Synthesized with Different Calcination Conditions**  
ALTUNAL V., ÖZDEMİR A., Güçkan V., YEĞİNGİL Z.  
6th International Conference on Materials Science and Nanotechnology For Next Generation (MSNG2019), Niğde, Turkey, 16 - 18 October 2019
- V. **Developing new MgO luminophors with different dopants for dosimetry applications and determination of ESR properties**  
Güçkan V., ALTUNAL V., Özdemir A., ERÜNAL E., YEĞİNGİL Z.  
6th International Conference on Materials Science and Nanotechnology For Next Generation (MSNG2019), Nevşehir, Turkey, 16 - 18 October 2019, pp.1-4
- VI. **Blue light sensitivity of calcium sulfate doped with rare earth elements using luminescence technique**  
Güçkan V., ALTUNAL V., ÖZDEMİR A., YEĞİNGİL Z.  
5th International Conference on Theoretical and Experimental Studies in Nuclear Applications and Technology, Amasya, Turkey, 2 - 04 May 2019
- VII. **Development of Lithium Tetraborate (Li<sub>2</sub>B<sub>4</sub>O<sub>7</sub>:Ag,Eu) Compound Doped with Silver (Ag) and Europium (Eu) as a Luminescence Dosimeter Using TL-OSL Technique**  
ÖZDEMİR A., ALTUNAL V., Güçkan V., YEĞİNGİL Z.  
International Symposium on Boron, Nevşehir, Turkey, 17 - 19 April 2019
- VIII. **Systematic development of an OSL dosimeter based on BeO**  
ALTUNAL V., GÜÇKAN V., ÖZDEMİR A., BULUR E., YEĞİNGİL Z.  
5th International Conference on Materials Science and Nanotechnology for Next Generation (MSNG-2018), Nevşehir, Turkey, 4 - 06 October 2018
- IX. **A preliminary study of TL and OSL properties of MgO doped with Gd and Tb**  
GÜÇKAN V., ÖZDEMİR A., ALTUNAL V., YEĞİNGİL Z.

5th International Conference on Materials Science and Nanotechnology for Next Generation (MSNG-2018), Nevşehir, Turkey, 4 - 06 October 2018

- X. **Annealing Effect on Deep Traps as PTTL Sources of CaSO<sub>4</sub>:Mg**  
GÜÇKAN V., ALTUNAL V., ÖZDEMİR A., YEĞİNGİL Z.  
11st Internatinal Conferences on Luminescence and ESR Dosimetry (LUMIDOZ11), Gaziantep, Turkey, 5 - 07 September 2018
- XI. **Optically Stimulated Luminescence (OSL) from BeO:Al,Ca Ceramics Synthesized via Sol-Gel Method**  
ALTUNAL V., GÜÇKAN V., ÖZDEMİR A., BULUR E., YEĞİNGİL Z.  
11st Internatinal Conferences on Luminescence and ESR Dosimetry (LUMIDOZ11), Gaziantep, Turkey, 5 - 07 September 2018
- XII. **TL-OSL Correlation in CaSO<sub>4</sub>:Mg dosimetric phosphor**  
GÜÇKAN V., ÖZDEMİR A., ALTUNAL V., YEĞİNGİL Z.  
11st Internatinal Conferences on Luminescence and ESR Dosimetry (LUMIDOZ11), Gaziantep, Turkey, 5 - 07 September 2018
- XIII. **Luminescence properties of Calcium doped BeO Ceramics**  
ÖZDEMİR A., ALTUNAL V., GÜÇKAN V., BULUR E., YEĞİNGİL Z.  
11th Internatinal Conferences on Luminescence and ESR Dosimetry (LUMIDOZ11), Gaziantep, Turkey, 5 - 07 September 2018
- XIV. **The studying kinetic parameters of thermoluminescence glow peaks-from Li<sub>2</sub>B<sub>4</sub>O<sub>7</sub>:Ag,Gd phosphor**  
ÖZDEMİR A., POLYMERİS G., ŞAHİNER E., AŞLAR E., GÜÇKAN V., ALTUNAL V., MERİÇ N., YEĞİNGİL Z.  
11st Internatinal Conferences on Luminescence and ESR Dosimetry (LUMIDOZ11), Gaziantep, Turkey, 5 - 07 September 2018
- XV. **OSL properties of BeO:Al Ceramics**  
ALTUNAL V., ÖZDEMİR A., GÜÇKAN V., BULUR E., YEĞİNGİL Z.  
11th Internatinal Conferences on Luminescence and ESR Dosimetry (LUMIDOZ11), Gaziantep, Turkey, 5 - 07 September 2018
- XVI. **OSL Properties Of BeO:Na,Gd,Tb Synthesized Using Precipitation Method**  
ALTUNAL V., ÖZDEMİR A., GÜÇKAN V., YEĞİNGİL Z.  
International Conferences on Physical Chemistry and Functional Materials (PCFM18), Elazığ, Turkey, 19 - 21 June 2018
- XVII. **OSL Response of BeO pellets doped with Al, Ca dopants and various Ln co-dopants**  
GÜÇKAN V., ÖZDEMİR A., ALTUNAL V., YEĞİNGİL Z.  
International Conferences on Physical Chemistry and Functional Materials (PCFM18), Elazığ, Turkey, 19 - 21 June 2018
- XVIII. **Temperature dependence of OSL signals from BeO ceramic pellets synthesized using Sol-Gel and Precipitation Methods**  
ALTUNAL V., GÜÇKAN V., ÖZDEMİR A., YEĞİNGİL Z.  
International Conferences on Physical Chemistry and Functional Materials (PCFM18), Elazığ, Turkey, 19 - 21 June 2018
- XIX. **Synthesis and Luminescence Characterization of Non-stoichiometric Li<sub>2</sub>B<sub>4</sub>O<sub>7</sub>:Ag,Tb**  
ÖZDEMİR A., ALTUNAL V., GÜÇKAN V., KURT K., YEĞİNGİL Z.  
International Conferences on Physical Chemistry and Functional Materials (PCFM18), Elazığ, Turkey, 19 - 21 June 2018
- XX. **Optically Stimulated Luminescence (OSL) and Thermoluminescence (TL) Properties of Ag<sub>1</sub>, Tb<sub>3</sub> and Gd<sub>3</sub> Doped Li<sub>2</sub>B<sub>4</sub>O<sub>7</sub> Phosphor**  
ÖZDEMİR A., GÜÇKAN V., ALTUNAL V., KURT K., YEĞİNGİL Z.  
International Conferences on Physical Chemistry and Functional Materials (PCFM18), Elazığ, Turkey, 19 - 21 June 2018
- XXI. **Preparation of BeO ceramic pellets doped with Mg dopants and different co-dopants for OSL dosimetry**  
GÜÇKAN V., ALTUNAL V., ÖZDEMİR A., YEĞİNGİL Z.

International Conferences on Physical Chemistry and Functional Materials (PCFM18), Elazığ, Turkey, 19 - 21 June 2018

- XXII. **ESTIMATION of THE TRAPPING PARAMETERS of Li<sub>2</sub>B<sub>4</sub>O<sub>7</sub>:Ag,Gd PHOSPHOR by FGC, ID AND CGCD METHODS**  
ÖZDEMİR A., ŞAHİNER E., POLYMERİS G., AŞLAR E., GÜÇKAN V., ALTUNAL V., MERİÇ N., YEĞİNGİL Z.  
Nükleer Bilimler Lisansüstü Öğrenci Kongresi, Ankara, Turkey, 11 - 13 May 2018
- XXIII. **Luminescence Spectrum Of ZrO<sub>2</sub> Doped Gd<sub>3</sub> Under X-ray Excitation At Room Temperature.**  
KURT K., YALAZ E., YILMAZ S., ÖZDEMİR A., ALTUNAL V., GÜÇKAN V., YEĞİNGİL Z.  
15th International Conference On Luminescence And Electron Spin Resonance Dating, Cape-Town, South Africa, 11 - 15 September 2017
- XXIV. **A Study For The Estimation Of Osl Trap Parameters In Li<sub>2</sub>B<sub>4</sub>O<sub>7</sub>:ag,gd Phosphor**  
ÖZDEMİR A., KURT K., GÜÇKAN V., ALTUNAL V., CAVDAR T., YEĞİNGİL Z.  
15th International Conference On Luminescence And Electron Spin Resonance Dating, Cape-Town, South Africa, 11 - 15 September 2017
- XXV. **Effect Of Sintering Temperature On Dosimetric Properties Of BeO Ceramic Pellets Synthesized Using Precipitation Method**  
ALTUNAL V., GÜÇKAN V., ÖZDEMİR A., KURT K., YEĞİNGİL Z.  
International Conference on Oxide Materials for Electronic Engineering – fabrication, properties and application, Lviv, Ukraine, 29 May - 02 June 2017
- XXVI. **BeO: MgO as A Mixture Dosimeter: Its Luminescence Mechanism**  
ALTUNAL V., ÖZDEMİR A., GÜÇKAN V., KURT K., YEĞİNGİL Z.  
International Conference on Oxide Materials for Electronic Engineering – fabrication, properties and applications, Lviv, Ukraine, 29 May - 02 June 2017
- XXVII. **Optically Stimulated Luminescence Properties Of BeO: TiO<sub>2</sub> As A Mixture Dosimeter**  
GÜÇKAN V., ALTUNAL V., ÖZDEMİR A., KURT K., YEĞİNGİL Z.  
International Conference on Oxide Materials for Electronic Engineering – fabrication, properties and application, Lviv, Ukraine, 29 May - 02 June 2017
- XXVIII. **A Preliminary Study For Optically Stimulated Luminescence Characterization Of BeO: SiO<sub>2</sub> as A Mixture Dosimeter**  
GÜÇKAN V., ALTUNAL V., ÖZDEMİR A., KURT K., YEĞİNGİL Z.  
International Conference On Oxide Materials For Electronic Engineering ? Fabrication, Properties And Application, Lviv, Ukraine, 29 May - 02 June 2017
- XXIX. **Synthesis And Optically Stimulated Luminescence (osl) Characterization Of BeO: Al<sub>2</sub>O<sub>3</sub> mixture Dosimeter**  
ALTUNAL V., GÜÇKAN V., ÖZDEMİR A., KURT K., YEĞİNGİL Z.  
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- XXXI. **Determination Of Potential Use Of Li<sub>2</sub>B<sub>4</sub>O<sub>7</sub>:ag,tb For Dosimetry Purposes Using Osl Technique**  
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- XXXII. **Osl Study Of Li<sub>2</sub>B<sub>4</sub>O<sub>7</sub>:nd, K, Cu, Na Samples Synthesized By Solid State Method**  
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- XXXIII. **Li<sub>2</sub> B<sub>4</sub>O<sub>7</sub>:ag,tb Phosphor And Its Neutron Sensitivity For Dosimetry Applications**

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**XXXIV. Studying 6Li2Co3 As A Neutron Converter For Investigation Of The Neutron Responses From Synthesized Beo Pellets Using Optically Stimulated Luminescence (osl)**

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**XXXV. A Preliminary Study Of Li3O5:Ce,K,Cu,Na Phosphor For Optically Stimulated Luminescence Dosimetry**

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**XXXVI. Preparation Of CaSO4:Eu Using Neutron Converter 6Li2Co3 To Develop A New Osl Material With High Sensitivity To Neutron Irradiation**

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3rd International Conference on Theoretical and Experimental Studies in Nuclear Applications and Technology, Adana, Turkey, 10 - 12 May 2017, pp.159

**XXXVIII. OSL study of LiB3O5: Nd, K,Cu,Na samples synthesized by Solid State Method**

Özdemir A., Depci T., ALTUNAL V., Güçkan V., Kurt K., Nur N., TÜKEN T., TANSUĞ G., SİĞİRCİK G., Yu Y., et al.

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**XXXIX. Determination of potential use of Li2B4O7:Ag,Tb for dosimetry purposes using OSL technique**

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3rd International Conference on Theoretical and Experimental Studies in Nuclear Applications and Technology, Adana, Turkey, 10 - 12 May 2017, pp.154

**XL. Structural Characterization Of CaSO4:Eu Nanophosphors Synthesized Using Sol-gel Assisted Precipitation Method And Its Osl Characteristics**

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**XLII. The Effect of Sintering Temperature on Magnetic and Luminescence Characteristics of Beryllium Oxide**

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