



**DOÇ. SELAMİ PALAZ**

### **Kişisel Bilgiler**

**Eposta:** spalaz@harran.edu.tr  
**Birimi :** Yüksek Enerji ve Plazma Fiziği  
**Dahili :** 3574

### **Makaleler (YOKSIS)**

- 1 A DFT Based QSARs Study of Acetazolamide Sulfanilamide Derivatives with Carbonic Anhydrase CA II Isozyme Inhibitory Activity**  
EROĞLU EROL, TÜRKMEN HASAN, GÜLER SEMRA, PALAZ SELAMİ, OLTULU ORAL  
International Journal of Molecular Sciences, <http://www.mdpi.com/1422-0067/8/2/145/>
- 2 A QSPR Study for the Prediction of the pKa of N-Base Ligands and Formation Constant Kc of Bis (2,2'-bipyridine) Platinum(II)-N-Base Adducts Using Quantum Mechanically Derived Descriptors**  
PALAZ SELAMİ, TÜRKKAN BAKI, EROĞLU EROL  
ISRN Physical Chemistry, <https://www.hindawi.com/journals/isrn/2012/260171/>
- 3 A(I)B(III)C(2)(VI) (A = Cu, Ag B = Ga, In C = S, Se, Te) based photonic crystal superlattices: Optical properties**  
ŞİMŞEK ŞEVKET, PALAZ SELAMİ, AKHUNDOV CHİNGİZ, MAMEDOV AMİRULLAH M, ÖZBAY EKMELE  
Physica Status Solidi C, <https://onlinelibrary.wiley.com/doi/abs/10.1002/pssc.201600156>
- 4 AVBVICVII ferroelectrics as novel materials for phononic crystals**  
PALAZ SELAMİ, OLTULU ORAL, MAMEDOV AMİRULLAH M, ÖZBAY EKMELE  
Ferroelectrics, <https://www.tandfonline.com/doi/full/10.1080/00150193.2017.1332966>
- 5 Band gap and optical transmission in the Fibonacci type one dimensional A5B6C7based photonic crystals**  
ŞİMŞEK ŞEVKET, KOÇ HÜSNÜ, PALAZ SELAMİ, OLTULU ORAL, MAMEDOV AMİRULLAH M, ÖZBAY EKMELE  
Physica Status Solidi C, <https://onlinelibrary.wiley.com/doi/abs/10.1002/pssc.201400244>
- 6 Band Structure and Optical Properties of Kesterite Type Compounds: first principle calculations**  
PALAZ SELAMİ, ÜNVER HÜSEYİN, UĞUR GÖKAY, MAMEDOV AMİRULLAH M, ÖZBAY EKMELE  
IOP Conference Series: Materials Science and Engineering, <https://iopscience.iop.org/article/10.1088/1757-899X/175/1/012014>

- 7 Band structure and transmission spectra in multiferroic based Sierpinski-carpet phononic crystal**  
ÖZER ZAFER,PALAZ SELAMİ,MAMEDOV AMİRULLAH M,ÖZBAY EKMEL  
European Physical Journal-Applied Physics,
- 8 Cluster Ab Initio Calculations of the Shape of Local Potential Well and of Positions for Oxygen Atoms in PCN (C=Cd)**  
KARADAG FARUK,PALAZ SELAMİ,GUNGOR SULEYMAN,MAMEDOV AMİRULLAH M,Kvyatkovskii O E  
Ferroelectrics,<https://www.tandfonline.com/doi/full/10.1080/00150190390204132>
- 9 Comparative QSTR Study Using Semi-Empirical and First Principle Methods Based Descriptors for Acute Toxicity of Diverse Organic Compounds to the Fathead Minnow**  
EROĞLU EROL,PALAZ SELAMİ,OLTULU ORAL,TÜRKMEN HASAN,ÖZAYDIN CİHAT  
International Journal of Molecular Sciences,<http://www.mdpi.com//1422-0067/8/12/1265/>
- 10 Complete photonic band gaps in Sn<sub>2</sub>P<sub>2</sub>X<sub>6</sub> (X = S, Se) supercell photonic crystals**  
ŞİMŞEK ŞEVKET,PALAZ SELAMİ,KOÇ HÜSNÜ,MAMEDOV AMİRULLAH M,ÖZBAY EKMEL  
Ferroelectrics,
- 11 Dönen Kare Çubuklu İki Boyutlu Fotonik Kristalin Dispersiyon Özellikleri**  
PALAZ SELAMİ,OLTULU ORAL,MAMEDOV AMİRULLAH M  
Afyon Kocatepe Üniversitesi Fen Ve Mühendislik Bilimleri Dergisi,<https://dergipark.org.tr/tr/pub/akufemubid/issue/51083/577855>
- 12 Dynamic Nonlinear Optical Processes in Some Oxygen Octahedra Ferroelectrics First Principle Calculations**  
ŞİMŞEK ŞEVKET,KOÇ HÜSNÜ,PALAZ SELAMİ,OLTULU ORAL,MAMEDOV AMİRULLAH M,ÖZBAY EKMEL  
Ferroelectrics,<http://www.tandfonline.com/doi/full/10.1080/00150193.2015.1058668>
- 13 Elastic and optical properties of sillenites: First principle calculations**  
KOÇ HÜSNÜ,PALAZ SELAMİ,ŞİMŞEK ŞEVKET,MAMEDOV AMİRULLAH M,ÖZBAY EKMEL  
Ferroelectrics,
- 14 Electronic and elastic properties of the multiferroic crystals with the Kagome type lattices - Mn<sub>3</sub>V<sub>2</sub>O<sub>8</sub> and Ni<sub>3</sub>V<sub>2</sub>O<sub>8</sub>: First principle calculations**  
KOÇ HÜSNÜ,PALAZ SELAMİ,MAMEDOV AMİRULLAH M,ÖZBAY EKMEL  
Ferroelectrics,<https://www.tandfonline.com/doi/full/10.1080/00150193.2019.1598178>
- 15 Electronic and Optical Properties of Dy<sub>2</sub>O<sub>3</sub>: ab initio calculation**  
HOROZ SEZEN,ŞİMŞEK ŞEVKET,PALAZ SELAMİ,MAMEDOV AMİRULLAH M,ÖZBAY EKMEL  
International Journal of Scientificand Technological Research,<https://www.iiste.org/Journals/index.php/JSTR/article/view/23009/23526>
- 16 Electronic and Optical Properties of RareEarth Oxides Ab Initio Calculation**  
HOROZ SEZEN,ŞİMŞEK ŞEVKET,PALAZ SELAMİ,MAMEDOV AMİRULLAH M  
World Journal of Condensed Matter Physics,<https://www.scirp.org/journal/paperinformation.aspx?paperid=56780>
- 17 Electronic properties of spin excitation in multiferroics with a spinel structure: first principles calculation**

- 17 KOÇ HÜSNÜ,PALAZ SELAMİ,MAMEDOV AMİRULLAH M,ÖZBAY EKMEL  
Ferroelectrics,<https://www.tandfonline.com/doi/full/10.1080/00150193.2019.1570010>
- 18 **Electronic, mechanical, and optical properties of Ruddlesden-Popper perovskite sulfides: First principle calculation**  
KOÇ HÜSNÜ,PALAZ SELAMİ,UĞUR GÖKAY,MAMEDOV AMİRULLAH M,ÖZBAY EKMEL  
Ferroelectrics,<https://www.tandfonline.com/doi/full/10.1080/00150193.2018.1474659>
- 19 **Ferroelectric based fractal phononic crystals: wave propagation and band structure**  
PALAZ SELAMİ,ÖZER ZAFER,MAMEDOV AMİRULLAH M,ÖZBAY EKMEL  
Ferroelectrics,
- 20 **Fibonacci sequences quasiperiodic A(5)B(6)C(7) ferroelectric based photonic crystal: FDTD analysis**  
ŞİMŞEK ŞEVKET,PALAZ SELAMİ,MAMEDOV AMİRULLAH M,ÖZBAY EKMEL  
Integrated Ferroelectrics,<https://www.tandfonline.com/doi/abs/10.1080/10584587.2017.1375824>
- 21 **Incommensurate Phase Transition and Electronic Properties of BaMnF<sub>4</sub>**  
PALAZ SELAMİ,ŞİMŞEK ŞEVKET,KOÇ HÜSNÜ,Babayeva Rena F,MAMEDOV AMİRULLAH M,ÖZBAY EKMEL  
IOP Conference Series:Materials Science and Engineering,<https://iopscience.iop.org/article/10.1088/1757-899X/613/1/012014>
- 22 **Mechanical electronic and optical properties of the A<sub>4</sub>B<sub>6</sub> layered ferroelectrics ab initio calculation**  
KOÇ HÜSNÜ,ŞİMŞEK ŞEVKET,PALAZ SELAMİ,OLTULU ORAL,MAMEDOV AMİRULLAH M,ÖZBAY EKMEL  
Physica Status Solidi C,<https://onlinelibrary.wiley.com/doi/abs/10.1002/pssc.201400245>
- 23 **Multi- Purpose Photonic Crystals-Based Sensor Design by Finite Element Method**  
ÖZER ZAFER, PALAZ SELAMİ, MAMEDOV AMİRULLAH M, ÖZBAY EKMEL  
Journal of Physics: Conference Series,<https://iopscience.iop.org/article/10.1088/1742-6596/2315/1/012040/pdf>
- 24 **Multiferroic based 2D phononic crystals: Band structure and wave propagations**  
PALAZ SELAMİ,ÖZER ZAFER,AHUNDOV CENGİZ,MAMEDOV AMİRULLAH M,ÖZBAY EKMEL  
FERROELECTRICS,<https://www.tandfonline.com/doi/full/10.1080/00150193.2019.1598193>
- 25 **Multiferroik BaMnF<sub>4</sub> Bileşiğın Yapısal, Mekanik ve Elektronik Özelliklerinin İncelenmesi: Temel Prensi Yöntemi**  
PALAZ SELAMİ  
Afyon Kocatepe Üniversitesi Fen ve Mühendislik Bilimleri Dergisi,[http://fenbildergi.aku.edu.tr/?page\\_id=589](http://fenbildergi.aku.edu.tr/?page_id=589)
- 26 **Multiple band gaps of a ferroelectric based 2D-phononic crystal slab**  
PALAZ SELAMİ,OLTULU ORAL,MAMEDOV AMİRULLAH M,ÖZBAY EKMEL  
Ferroelectrics,<https://www.tandfonline.com/doi/full/10.1080/00150193.2018.1474661>
- 27 **Observation of elastic Weyl points in ferroelectric based sonic metamaterials**  
ÖZER ZAFER,PALAZ SELAMİ,MAMEDOV AMİRULLAH M,ÖZBAY EKMEL  
FERROELECTRICS,<https://doi.org/10.1080/00150193.2023.2300603>

**28 Optical and magnetic properties of some XMnSb and Co<sub>2</sub>YZ Compounds: ab initio calculations**

PALAZ SELAMİ, KOÇ HÜSNÜ, ÖZİŞİK HACI, DELİGÖZ ENGIN, MAMEDOV AMİRULLAH M, ÖZBAY EKMELE

Physica Status Solidi C, <https://onlinelibrary.wiley.com/doi/abs/10.1002/pssc.201600182>

**29 Optical, electronic, and elastic properties of some A(5)B(6)C(7) ferroelectrics (A=Sb, Bi B=S, Se C=I, Br, Cl): First principle calculation**

KOÇ HÜSNÜ, PALAZ SELAMİ, MAMEDOV AMİRULLAH M, ÖZBAY EKMELE

Ferroelectrics, <https://www.tandfonline.com/doi/full/10.1080/00150193.2017.1332967>

**30 Phase Transition and Energy Spectra of Some Ferroelectrics-Ferroelastics**

KARADAĞ FARUK, PALAZ SELAMİ, YILMAZ SÜLEYMAN, GUNGOR SULEYMAN, MAMEDOV AMİRULLAH M

Ferroelectrics, <https://www.tandfonline.com/doi/full/10.1080/00150190490492664>

**31 Phononic band gap and wave propagation on multiferroic-based acoustic metamaterials**

PALAZ SELAMİ, ÖZER ZAFER, OLTULU ORAL, MAMEDOV AMİRULLAH M, ÖZBAY EKMELE

Ferroelectrics, <http://dx.doi.org/10.1080/00150193.2019.1570016>

**32 Photonic band gap of multiferroic-dielectric materials in the IR region: FDTD method**

PALAZ SELAMİ, ŞİMŞEK ŞEVKET, MAMEDOV AMİRULLAH M, ÖZBAY EKMELE

Ferroelectrics, <https://www.tandfonline.com/doi/full/10.1080/00150193.2019.1570011>

**33 Polarization Induced Electronic Processes in a Quantum Well**

MAMEDOV AMİRULLAH M, KARADAĞ FARUK, GUNGOR SULEYMAN, PALAZ SELAMİ, ÇOLAK YUNUS

Ferroelectrics,

**34 SbSI Based Photonic Crystal Superlattices Band Structure and Optics**

ŞİMŞEK ŞEVKET, KOÇ HÜSNÜ, PALAZ SELAMİ, OLTULU ORAL, MAMEDOV AMİRULLAH M, ÖZBAY EKMELE

IOP Conference Series: Materials Science and Engineering, <https://iopscience.iop.org/article/10.1088/1757-899X/77/1/012020>

**35 Second Harmonic Generation in Generalized Ferroelectric Superlattices**

ÖZER ZAFER, PALAZ SELAMİ, MAMEDOV AMİRULLAH M, ÖZBAY EKMELE

Integrated Ferroelectrics, <http://dx.doi.org/10.1080/10584587.2021.1921532>

**36 Slater Insulator Phase of X<sub>2</sub>(X=Na, Li)IrO<sub>3</sub>: First Principles Calculation**

KOÇ HÜSNÜ, PALAZ SELAMİ, MAMEDOV AMİRULLAH M, ÖZBAY EKMELE

Integrated Ferroelectrics, <http://dx.doi.org/10.1080/10584587.2021.1921537>

**37 Spectral scalability and optical spectra of fractal multilayer structures: FDTD analysis**

ŞİMŞEK ŞEVKET, PALAZ SELAMİ, MAMEDOV AMİRULLAH M, ÖZBAY EKMELE

Applied Physics A, <https://link.springer.com/article/10.1007/s00339-016-0628-0>

**38 The Mechanical, Electronic and Optical Properties of Sn<sub>2</sub>P<sub>2</sub>S<sub>6</sub> Compound in Different Phases**

KOÇ HÜSNÜ, PALAZ SELAMİ, ŞİMŞEK ŞEVKET, MAMEDOV AMİRULLAH M, ÖZBAY EKMELE

Integrated Ferroelectrics, <http://dx.doi.org/10.1080/10584587.2021.1921535>

**39 Topological Insulators: Electronic Band Structure and Spectroscopy**

PALAZ SELAMİ,KOÇ HÜSNÜ,MAMEDOV AMİRULLAH M,ÖZBAY EKMELE

IOP Conference Series: Materials Science and Engineering,<https://iopscience.iop.org/article/10.1088/1757-899X/175/1/012004>**40 Two-dimensional phononic band structure of archimedean-logarithmic spiral-based slabs**

PALAZ SELAMİ,OLTULU ORAL,MAMEDOV AMİRULLAH M,ÖZBAY EKMELE

Ferroelectrics,<https://www.tandfonline.com/doi/full/10.1080/00150193.2019.1598196>**41 Wave propagation on a ferroelectric liquid crystal based acoustic metamaterial**

PALAZ SELAMİ

Ferroelectrics,

**Bildiriler (YOKSIS)****1 A5B6C7 Ferroelectrics as Novel Materials for Phononic Crystals**

PALAZ SELAMİ,OLTULU ORAL,MAMEDOV AMİRULLAH M,ÖZBAY EKMELE

13th Russia/CIS/Baltic/Japan Symposium on Ferroelectricity and International Workshop on Relaxor Ferroelectrics 2016 (RCBJSF -IWRF) ,

**2 ABO<sub>3</sub> ( A= Sr, K. B=Ti, Nb) Ferroelektrik Yapılarda Optik Kuvvet Sabitlerinin Ab-Initio Hesaplanması**

MAMEDOV AMİRULLAH M,GÜNGÖR SERKAN,KARADAĞ FARUK,PALAZ SELAMİ

Türk Fizik Derneği 19. Fizik Kongresi ,

**3 Acoustic Phononic Crystals with Square-Shaped Scatterers for Two Dimensional Structures**

OLTULU ORAL,DEMİR MEHTAP,PALAZ SELAMİ,MAMEDOV AMİRULLAH M,ÖZBAY EKMELE

ISITES2017 5th International Symposium on Innovative Technologies in Engineering and Science ,

**4 Acoustic Phononic Crystals with Square-Shaped Scatterers for Two-Dimensional Structures**

OLTULU ORAL,DEMİR MEHTAP,PALAZ SELAMİ,MAMEDOV AMİRULLAH M,ÖZBAY EKMELE

ISITES2017 5th International Symposium on Innovative Technologies in Engineering and Science ,

**5 AIBIIICVI<sub>2</sub> (A=Cu, Ag B=Ga, In C =S, Se, Te) Based Photonic Crystal Superlattices: Optical Properties**

ŞİMŞEK ŞEVKET,PALAZ SELAMİ,AKHUNDOV CHİNGİZ,MAMEDOV AMİRULLAH M,ÖZBAY EKMELE

20th International Conference on Ternary and Multinary Compounds (ICTMC 20) ,

**6 Band Gap and Optical Transmission in the Fibonacci Type One-Dimensional A5B6C7 Based Photonic Crystals**

ŞİMŞEK ŞEVKET,KOÇ HÜSNÜ,PALAZ SELAMİ,OLTULU ORAL,MAMEDOV AMİRULLAH M,ÖZBAY EKMELE

19th International Conference on Ternary and Multinary Compounds (ICTMC-19) ,

**7 Band Gap and Wave Propagation on Liquid Crystal Based Sonic Metamaterials**

PALAZ SELAMİ

META-2019, The 10th International Conference on Metamaterials, Photonic Crystals and Plasmonics ,

- 8 Band gap and wave propagation on PVDF based topological Hausdorff and Sierpinski dimension of quasi-fractal phononic crystals: finite element analysis**  
PALAZ SELAMİ, ÖZER ZAFER, MAMEDOV AMİRULLAH M, ÖZBAY EKMEL  
8th International Conference: Modern Trends in Physics , <http://mtp2023.bsu.edu.az/>
- 9 Band Structure and Optical Properties of Kesterite Type Compounds: first principal calculations**  
PALAZ SELAMİ,ÜNVER HÜSEYİN,UĞUR GÖKAY,MAMEDOV AMİRULLAH M,ÖZBAY EKMEL  
The 4th International Conference on Competitive Materials and Technology Processes (ic-cmtp4) ,
- 10 Band Structure and Optical Properties of the A4B6 Layered Ferroelectrics: ab initio calculations**  
KOÇ HÜSNÜ,ŞİMŞEK ŞEVKET,PALAZ SELAMİ,OLTULU ORAL,MAMEDOV AMİRULLAH M,ÖZBAY EKMEL  
19th International Conference on Ternary and Multinary Compounds (ICTMC-19) ,
- 11 Band Structure and Transmission in Multiferroic based Sierpinski Carpet Phononic Crystal**  
PALAZ SELAMİ,ÖZER ZAFER,MAMEDOV AMİRULLAH M,ÖZBAY EKMEL  
META-2019, The 10th International Conference on Metamaterials, Photonic Crystals and Plasmonics ,
- 12 Cluster Ab Initio Calculations of the Local Potential Well and of Positions Oxygen Atoms in PCN and BCN (C=Cd) ” RCBJSF-7**  
KARADAĞ FARUK,PALAZ SELAMİ,GÜNGÖR AHMET,MAMEDOV AMİRULLAH M,Kvyatkovskii O E  
Symposium on Ferroelectricity ,
- 13 Complete Photonic Band Gaps in Sn2P2X6 (X=S, Se) Supercell Photonic Crystals**  
ŞİMŞEK ŞEVKET,PALAZ SELAMİ,KOÇ HÜSNÜ,MAMEDOV AMİRULLAH M,ÖZBAY EKMEL  
EMF 2019, 14th European Meeting of Ferroelectricity ,
- 14 Complex Band Structure and Dispersion Relation of Acoustic Waves in Piezoelectric Based Topological Phononic Crystals**  
PALAZ SELAMİ,ÖZER ZAFER,ŞİMŞEK ŞEVKET,KOÇ HÜSNÜ,MAMEDOV AMİRULLAH M,ÖZBAY EKMEL  
META-2019, The 10th International Conference on Metamaterials, Photonic Crystals and Plasmonics ,
- 15 Conformation Analysis of 1'-Benzyl-1-(2,4-dimethoxyphenyl)-3-phenoxy-spiro (azetidine-2,3'(3H)-indole)-2'4,(1H)-dione by DFT calculations**  
YALÇIN ŞERİFE,PALAZ SELAMİ,OLTULU ORAL,AKKURT MEHMET,EROĞLU EROL  
Advances in Applied Physics and Materials Science Congress, (APMAS-2011) ,
- 16 Dirac Cone and Topological States in 2D Phononic Crystals**  
ÖZER ZAFER, PALAZ SELAMİ, MAMEDOV AMİRULLAH M, ÖZBAY EKMEL  
ec-siliconf2 the 2 nd European Conference on Silicon and Silica Based Materials and ic-cmtp6 the 6 th International Conference on Competitive Materials and Technology Processes ,
- 17 Elastic and optical properties of Ruddlesden-Popper perovskites - ab initio calculation**  
PALAZ SELAMİ,KOÇ HÜSNÜ,UĞUR GÖKAY,ÖZBAY EKMEL,MAMEDOV AMİRULLAH M  
The 14th International Meeting on Ferroelectricity ,
- 18 Elastic and Optical Properties of Sillenites: First Principle Calculations**  
KOÇ HÜSNÜ,PALAZ SELAMİ,ŞİMŞEK ŞEVKET,MAMEDOV AMİRULLAH M,ÖZBAY EKMEL  
EMF 2019, 14th European Meeting of Ferroelectricity ,

- 19 Electronic and elastic properties of the multiferroic crystals with the Kagome type lattices - Mn<sub>3</sub>V<sub>2</sub>O<sub>8</sub> and Ni<sub>3</sub>V<sub>2</sub>O<sub>8</sub>: First principle calculations**  
KOÇ HÜSNÜ, PALAZ SELAMİ, MAMEDOV AMİRULLAH M, ÖZBAY EKMELE  
European Conference on Applications of Polar Dielectrics (ECAPD-2018) ,  
<http://cplire.ru:8080/4444/1/Kiselev2028ECAPD-2018292028c.2010529.pdf>
- 20 Electronic Properties of Multiferroics with Spinel structure: First principles calculation**  
KOÇ HÜSNÜ, PALAZ SELAMİ, MAMEDOV AMİRULLAH M, ÖZBAY EKMELE  
14th Russia/CIS/Baltic/Japan Symposium on Ferroelectricity (RCBJSF 2018) ,
- 21 Electronic Structure and Optical Properties of Ruddlesden-Popper Perovskite Sulfides: first principle calculation**  
KOÇ HÜSNÜ, PALAZ SELAMİ, UĞUR GÖKAY, MAMEDOV AMİRULLAH M, ÖZBAY EKMELE  
20th International Conference on Ternary and Multinary Compounds (ICTMC 20) ,
- 22 Electronic Structures Optical and Magnetic Properties of Some Heusler Compounds for Spintronic Devices: ab initio calculations**  
PALAZ SELAMİ, KOÇ HÜSNÜ, ÖZİŞİK HACI, DELİGÖZ ENGİN, MAMEDOV AMİRULLAH M, ÖZBAY EKMELE  
The 4th International Conference on Competitive Materials and Technology Processes (ic-cmtp4) ,
- 23 Ferroelectric based Fractal Phononic Crystals: Wave Propagation and Band Structure**  
PALAZ SELAMİ, ÖZER ZAFER, MAMEDOV AMİRULLAH M, ÖZBAY EKMELE  
EMF 2019, 14th European Meeting of Ferroelectricity ,
- 24 Fibonacci Sequences Quasiperiodic A<sub>5</sub>B<sub>6</sub>C<sub>7</sub> Ferroelectric Based Photonic Crystals: FDTD analysis**  
PALAZ SELAMİ, ŞİMŞEK ŞEVKET, MAMEDOV AMİRULLAH M, ÖZBAY EKMELE  
13th Russia/CIS/Baltic/Japan Symposium on Ferroelectricity and International Workshop on Relaxor Ferroelectrics 2016 (RCBJSF -IWRFF) ,
- 25 First QSAR Study of Coumarins as Carbonic Anhydrase (CA-I and CA IX) Isozymes Inhibitor**  
MURATOVIĆ SAMIJA, PALAZ SELAMİ, EROĞLU EROL  
10th International Symposium on Pharmaceutical Sciences (ISOPS-10) ,
- 26 Incommensurate Phase Transition and Electronic Properties of BaMnF<sub>4</sub>**  
PALAZ SELAMİ, KOÇ HÜSNÜ, BABAYEVA RENA F, MAMEDOV AMİRULLAH M, ÖZBAY EKMELE  
5th International Conference on Competitive Materials and Technology Processes (ic-cmtp5) ,  
[https://www.ic-cmtp5.eu/doc/book\\_of\\_abstract\\_iccmtp5.pdf](https://www.ic-cmtp5.eu/doc/book_of_abstract_iccmtp5.pdf)
- 27 Influence of the Phase Transition on the Mechanical, Electronic and Optical Properties of Sn<sub>2</sub>P<sub>2</sub>S<sub>6</sub> Compounds**  
KOÇ HÜSNÜ, PALAZ SELAMİ, ŞİMŞEK ŞEVKET, MAMEDOV AMİRULLAH M, ÖZBAY EKMELE  
Functional Materials and Nanotechnologies FM&NT-2020 , <http://www.fmnt.ff.vu.lt/>
- 28 Mass-Density Image Simulation by X-Ray Diffraction Enhanced Imaging**  
YAŞAR MEHMET MURAT, EROĞLU EROL, PALAZ SELAMİ, BABUR YUNUS, OLTULU ORAL  
24th International Physics Congress of Turkish Physical Society ,
- 29 Metamaterials: New Trends in Photonics**

- 29 PALAZ SELAMİ, MAMEDOV AMİRULLAH M  
International Scientific Conference for the Actual Issues Applied Physics and of Energy ,
- 30 **Multi-Purpose Photonic Crystal-Based Sensor Design by Finite Element Method**  
ÖZER ZAFER, PALAZ SELAMİ, MAMEDOV AMİRULLAH M, ÖZBAY EKMELE  
ec-siliconf2 the 2 nd European Conference on Silicon and Silica Based Materials and ic-cmtp6 the 6 th International Conference on Competitive Materials and Technology Processes , <https://www.ec-siliconf.eu/>
- 31 **Multiple bandgaps of ferroelectric based two-dimensional phononic crystals slab with Archmedes and Fibonacci spiral holes**  
MAMEDOV AMİRULLAH M, PALAZ SELAMİ, OLTULU ORAL, ÖZBAY EKMELE  
The 14th International Meeting on Ferroelectricity ,
- 32 **Narrow Band Ferroelectrics: Density of States**  
PALAZ SELAMİ  
International Scientific Conference for the Actual Issues Applied Physics and of Energy ,
- 33 **Optical and Magnetic Properties of Some X2YZ Compounds ab initio calculations**  
PALAZ SELAMİ, KOÇ HÜSNÜ, ÖZİŞİK HACI, DELİGÖZ ENGİN, MAMEDOV AMİRULLAH M, ÖZBAY EKMELE  
20th International Conference on Ternary and Multinary Compounds (ICTMC 20) ,
- 34 **Optical, Electronic and Elastic Properties of Some A5B6C7 Ferroelectrics (A=Sb, Bi B=S, Se C=I, Br, Cl): first principle calculation**  
KOÇ HÜSNÜ, PALAZ SELAMİ, MAMEDOV AMİRULLAH M, ÖZBAY EKMELE  
13th Russia/Baltic/ Japan Symposium on Ferroelectricity International Workshop Relaxor Ferroelectrics 2016 ,
- 35 **Phase Transition and Energy Spectra of some Ferroelectrics-Ferroelastics**  
PALAZ SELAMİ, KARADAĞ FARUK, YILMAZ SÜLEYMAN, SÜLEYMAN GÜNGÖR, MAMEDOV AMİRULLAH M  
4th International Seminar on Ferroelastics Physics (ISFP-4) ,
- 36 **Photonic Band Gap of Multiferroic-Dielectric Materials in IR region: FDTD method**  
PALAZ SELAMİ, ŞİMŞEK ŞEVKET, ÖZER ZAFER, MAMEDOV AMİRULLAH M, ÖZBAY EKMELE  
14th Russia/CIS/Baltic/Japan Symposium on Ferroelectricity (RCBJSF 2018) , <http://cplire.ru:8080/4443/1/Kiselev-RCBJSF-20182028C.11829.pdf>
- 37 **SbSI Based Photonic Crystal Superlattices: Band Structure and Optics**  
ŞİMŞEK ŞEVKET, PALAZ SELAMİ, OLTULU ORAL, MAMEDOV AMİRULLAH M, ÖZBAY EKMELE  
12th Russia/CIS/Baltic/Japan Symposium on Ferroelectricity and 9th International Conference Functional Materials and Nanotechnologies (RCBJSF-2014-FMNT) ,
- 38 **Second Harmonic Generation in Generalized Ferroelectric Superlattices**  
ÖZER ZAFER, PALAZ SELAMİ, MAMEDOV AMİRULLAH M, ÖZBAY EKMELE  
Functional Materials and Nanotechnologies FM&NT-2020 , <http://www.fmnt.ff.vu.lt/>
- 39 **Sn2P2X2 (X=S, Se) as novel materials for phononic crystals**  
PALAZ SELAMİ, ÖZER ZAFER, ŞİMŞEK ŞEVKET, KOÇ HÜSNÜ, MAMEDOV AMİRULLAH M, ÖZBAY EKMELE



- 39 META-2019, The 10th International Conference on Metamaterials, Photonic Crystals and Plasmonics ,
- 40 **Some QSAR Studies of Indole-5-Sulfonamides, Phenacetyl-Pyridylacetyl-and Thienylacetyl Substituted Aromatic Sulfonamides with Carbonic Anhydrase (CA-II and CA IX) Isozyme Inhibitory Activity**  
PALAZ SELAMİ,MURATOVİC SAMİJA,EROĞLU EROL  
10th International Symposium on Pharmaceutial Sciences (ISOPS-10) ,
- 41 **Spectral Scalability and Optical Spectra of Fractal Multilayer Structures: FDTD analysis**  
ŞİMŞEK ŞEVKET,PALAZ SELAMİ,MAMEDOV AMİRULLAH M,ÖZBAY EKMELE  
The 7th International Conference on Metamaterials, Photonic Crystals and Plasmonics-META'16 Malaga - Spain ,
- 42 **Surface Tilt Angle Measurements of (5CB)liquid Crystal Molecules**  
OLTULU ORAL,PALAZ SELAMİ,YILMAZ SÜLEYMAN,MAMEDOV AMİRULLAH M  
Turkish Physical Society 33rd International Physics Congress ,
- 43 **Ternary Heusler Compounds as Multifunctional Topological Insulators**  
PALAZ SELAMİ  
Uluslararası Göbeklitepe Uygulamalı Bilimler Kongresi ,
- 44 **Ternary Heusler Compounds as Multifunctional Topological Insulators,**  
PALAZ SELAMİ,MAMEDOV AMİRULLAH M,ÖZBAY EKMELE  
4th International Conference on Rheology and Modeling of Materials (ic-rmm4-2019) ,
- 45 **The Topological Phase and Optical Properties of the NaSnX(X=Bi, As, Sb) Compounds: First Principal Calculation**  
KOÇ HÜSNÜ,PALAZ SELAMİ,CHİNGİZ AHUNDOV,MAMEDOV AMİRULLAH M,ÖZBAY EKMELE  
5th International Conference on Competitive Materials and Technology Processes (ic-cmt5) ,  
[https://www.ic-cmt5.eu/doc/book\\_of\\_abstract\\_iccmt5.pdf](https://www.ic-cmt5.eu/doc/book_of_abstract_iccmt5.pdf)
- 46 **Tin Thiohypodiphosphate (Sn<sub>2</sub>P<sub>2</sub>S<sub>6</sub>): Linear and Nonlinear Properties Under High Pressure**  
KOÇ HÜSNÜ,PALAZ SELAMİ,ŞİMŞEK ŞEVKET,MAMEDOV AMİRULLAH M,ÖZBAY EKMELE  
EMF 2019, 14th European Meeting of Ferroelectricity ,
- 47 **Topological Insulators: Electronic Band Structure and Spectroscopy**  
MAMEDOV AMİRULLAH M,PALAZ SELAMİ,KOÇ HÜSNÜ,ÖZBAY EKMELE  
The 4th International Conference on Competitive Materials and Technology Processes (ic-cmt4) ,
- 48 **Two-dimensional phononic band structure of Archimedean-logarithmic spiral-based slabs**  
OLTULU ORAL,PALAZ SELAMİ,MAMEDOV AMİRULLAH M,ÖZBAY EKMELE  
European Conference on Applications of Polar Dielectrics (ECAPD-2018) ,  
<http://cplire.ru:8080/4444/1/Kiselev2028ECAPD-2018292028c.2010529.pdf>
- 49 **Wave dispersion and design of acoustic metamaterials**  
PALAZ SELAMİ,MAMEDOV AMİRULLAH M,ÖZBAY EKMELE  
4th International Conference on Rheology and Modeling of Materials (ic-rmm4-2019) ,
- 50 **Wave Propagations in a Ferroelectric Liquid Crystal Based Acoustic Metamaterials: Experiments and Finite Element Analysis**

