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**PERSONAL**

<b>Date of Birth</b>	1971
<b>Place of Birth</b>	South Korea

**EDUCATION**

2001-2008	Middle East Technical University, Metallurgical and Materials Engineering, Ph.D.
1993-1995	Hanyang University, Inorganic Materials Engineering, M.S. (South Korea)
1989-1993	Hanyang University, Inorganic Materials Engineering, B.S. (South Korea)

**ACADEMIC POSITIONS**

<b>01/2019-</b>	Professor, Department of Metallurgical and Materials, Atılım University, Turkey
<b>02/2013-12/2018</b>	Associate Professor, Department of Metallurgical and Materials, Atılım University, Turkey
<b>02/2013-09/2008</b>	Assistant Professor, Department of Metallurgical and Materials, Atılım University, Turkey

**ADMINISTRATIVE DUTIES**

<b>02/1995-03/1995</b>	Research Assistant, Hanyang University
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**HONORS&AWARDS**

<b>1</b>	Co-supervisor of METU Best Thesis Award Winner, 2016-2017 Academic Year
<b>2</b>	Silver Medal, 6 <sup>th</sup> Istanbul International Inventions Fair (ISIF 21), 21-26 September 2021

**RESEARCH INTERESTS**

<b>1</b>	Photocatalytic Titanium dioxide (TiO <sub>2</sub> ) Ceramics
<b>2</b>	Dye-sensitized solar cells
<b>3</b>	Zirconia dental ceramics
<b>4</b>	Glass-ceramics
<b>5</b>	Ultra-High temperature ceramics
<b>6</b>	DFT calculation

## PROFESSIONAL SERVICE

1	Member, Association des Scientifiques Coréens en France (ASCoF)
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## PUBLICATIONS

1	Park, J., Fatima, S.A., "Computational analysis of TiC <sub>3</sub> as a high-efficiency anode for calcium-ion batteries", <i>Journal of Energy Storage</i> , 2024,98, 113111
2	Afrinish Fatima, S., Park, J., "Two-dimensional carbon rich titanium carbide (TiC <sub>3</sub> ) as a high-capacity anode for potassium ion battery", <i>Applied Surface Science</i> , 2024, 659, 159879.
3	Park, J., Fatima, S.A., "Computational insight of lithium adsorption and intercalation in bilayer TiC <sub>3</sub> ", <i>Electrochimica Acta</i> , 2024, 477, 143763.
4	Park, J., Afrinish Fatima, S., "A DFT study of TiC <sub>3</sub> as anode material for Li-ion batteries", <i>Applied Surface Science</i> , 2023, 638, 158024.
5	Sajid, S., Alzahmi, S., Salem, I.B., Park, J., Obaidat, I.M., "Inorganic hole transport materials in perovskite solar cells are catching up", <i>Materials Today Energy</i> , 2023, 37, 101378.
6	Sajid, S., Alzahmi, S., Salem, I.B., Park, J., Obaidat, I.M., "Lead-Free Perovskite Homo Junction-Based HTM-Free Perovskite Solar Cells: Theoretical and Experimental Viewpoints", <i>Nanomaterials</i> , 2023, 13(6), 983.
7	Khan, S., Zaman, S., Arshad, M., Khan, F., Park, J., "Approximation of oscillatory Bessel integral transforms", <i>Mathematics and Computers in Simulation</i> , 2023, 208, 727–744.
8	Mateen, M. Shi, H. Huang, H. Lu, Z. Huang, S., Li, Z., Ahmed, W., Rafiq, M., Shah, U.A., Sajid, S., Ren, Y., Park, J., Chi, D., Lu, Z., "Graded 2D/3D Perovskite Hetero-Structured Films with Suppressed Interfacial Recombination for Efficient and Stable Solar Cells via DABr Treatment", <i>Molecules</i> , 2023, 28(4), 1592.
9	Sajid, S., Alzahmi, S., Wei, D., Park, J., Obaidat, I.M., "Diethanolamine Modified Perovskite-Substrate Interface for Realizing Efficient ESL-Free PSCs", <i>Nanomaterials</i> , 2023, 13(2), 250.
10	Tufan, Y., Park, J., Öztürk, A., Ercan, B., "Enhanced bioactivity and low temperature degradation resistance of yttria stabilized zirconia/clay composites for dental applications", <i>Journal of the European Ceramic Society</i> , 2022, 42(15), 7300-7310.
11	Danish Khan, Sajid Sajid, Suliman Khan, Jongee Park, Ihsan Ullah, "Identifying the potentials for charge transport layers free n-p homo junction-based perovskite solar cells", <i>Solar Energy</i> , vol. 238, 2022, 69-77.
12	Bouziyani, A., Park, J., Ozturk, A., Effects of fluorination and thermal shock on the photocatalytic activity of Bi <sub>2</sub> O <sub>3</sub> nanopowders, <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 626,127049, 2021
13	Sajid S., Khan S., Khan A., Khan D., Issakhov A., Park J., Antisolvent-fumigated grain growth of active layer for efficient perovskite solar cells, <i>Solar Energy</i> , 225, 1001-1008, 2021
14	Akarsu, M.K., Basar, A.O., Sasmazel, H.T., Park, J., Ozturk, A., In vitro evaluation of tooth-colored yttria stabilized zirconia ceramics, <i>Journal of Asian Ceramic Societies</i> , 9(4), 1457-1465, 2021
15	Asmae Bouziyani, Jongee Park, Abdullah Ozturk, Synthesis of α-Fe <sub>2</sub> O <sub>3</sub> /TiO <sub>2</sub> heterogeneous composites by the sol-gel process and their photocatalytic activity, <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 400, 112718, 2020
16	Pelin Gündoğmuş, Jongee Park, Abdullah Öztürk, Preparation and photocatalytic activity of g-C <sub>3</sub> N <sub>4</sub> /TiO <sub>2</sub> heterojunctions under solar light illumination, <i>Ceramics International</i> , 46(13), 21431-21438, 2020
17	Sung Min So, Woo Hyuk Choi, Kyoung Hun Kim, Joo Seok Park, Min Suk Kim, Jongee Park, Yun-Soo Lim, Hyung Sun Kim, Mechanical properties of B <sub>4</sub> C–SiC composites fabricated by hot-press sintering, <i>Ceramics International</i> , 46(7), 9575-9581, 2020

18	Sung Min So, Hee Woong Hwang, Sam Heang Yi, Joo Seok Park, Kwang Ho Lee, Jongee Park, Sung Gap Lee, Mechanical properties and electrical resistivity of SiC-TiC composites with nitrate sintering additives, Journal of Ceramic Processing Research, 21(S1), s16~s22, 2020
19	Nursev Erdogan, Asmae Bouziani, Jongee Park, Matej Micusik, Soo Young Kim, Eva Majkova, Maria Omastova, Abdullah Ozturk, Synthesis and enhanced photocatalytic activity of nitrogen-doped triphasic TiO <sub>2</sub> nanoparticles, Journal of Photochemistry & Photobiology A: Chemistry, 377, 92-100, 2019
20	Nursev Erdogan, Jongee Park, Woohyuk Choi, Soo Young Kim, and Abdullah Ozturk, Alkaline Hydrothermal Synthesis, Characterization, and Photocatalytic Activity of TiO <sub>2</sub> Nanostructures: The Effect of Initial TiO <sub>2</sub> Phase, Journal of Nanoscience and Nanotechnology, 19(11), 1511-1519, 2019
21	Hanggara Sudrajat, Sri Hartuti, Jongee Park, A newly constructed photoactive system, Fe(III)-C/N-Bi <sub>2</sub> O <sub>3</sub> , for efficient visible light photocatalysis, Journal of Alloys and Compounds, 748, 390-397, 2018
22	Thang Phan Nguyen, Abdullah Ozturk, Jongee Park, Woonbae Sohn, Ho Won Jang, and Soo Young Kim, Facile synthesis of CsPbBr <sub>3</sub> /PbSe composite clusters, Science and Technology of Advanced Materials, 19, 10-17, 2018
23	Melis Kaplan, Jongee Park, Soo Young Kim, Abdullah Ozturk, Production and properties of tooth-colored yttria stabilized zirconia ceramics for dental applications, Ceramics International, 44, 2413–2418, 2018
24	Ahmed Hafedh Mohammed Mohammed, Jongee Park, Abdullah Ozturk, "Synthesis of Photocatalytic Titanium Dioxide Nanopowders Using Different Acid Catalysers", International Journal of Mechanical and Production Engineering, 6(10), 48-51, 2018
25	Q. V. Le, J. W. Shin, J.-H. Jung, J. Park, A. Ozturk, and Soo Young Kim, Control of the crystal growth shape in CH <sub>3</sub> NH <sub>3</sub> PbBr <sub>3</sub> perovskite materials, Journal of Nanoscience and Nanotechnology, 17, 8169-8174, 2017
26	J. H. Oh, S. Han, T.-Y. Kim, J. Park, A. Ozturk, and Soo Young Kim, Effects of graphene transfer and thermal annealing on anticorrosive properties of stainless steel, Journal of Nanoscience and Nanotechnology, 17, 7835-7842, 2017
27	M. Park, T. P. Nguyen, K. S. Choi, J. Park, A. Ozturk, and Soo Young Kim, MoS <sub>2</sub> -nanosheet/graphene-oxide composite hole injection layer in organic light-emitting diodes, Electronic Materials Letters, 13, 344-350, 2017
28	Ozlem Agac, Melike Gozutok, Hilal Turkoglu Sasmazel, Abdullah Ozturk, Jongee Park, Mechanical and biological properties of Al <sub>2</sub> O <sub>3</sub> and TiO <sub>2</sub> co-doped zirconia ceramics, Ceramics International, 43, 10434-10441, 2017
29	Gürel Pekkan, Keriman Pekkan, Jongee Park, Abdullah Öztürk, A study on microstructural characterization of the interface between apatite-wollastonite based glass ceramic and feldspathic dental porcelain, Ceramics International, 42, 19245-19249, 2016
30	Nursev Bilgin, Jongee Park, Abdullah Öztürk, Synthesis and enhanced photocatalytic activity of molybdenum, iron, and nitrogen triple-doped titania nanopowders, Ceramics International, 42, 16766-16774, 2016
31	Nursev Erdogan, Abdullah Ozturk, Jongee Park, Hydrothermal synthesis of 3D TiO <sub>2</sub> nanostructures using nitric acid: Characterization and evolution mechanism, Ceramics International, 42, 5985-5994, 2016
32	Lutfi Agartan, Derya Kapusuz, Jongee Park, Abdullah Ozturk, Effect of initial water content and calcination temperature on photocatalytic properties of TiO <sub>2</sub> nanopowders synthesized by the sol-gel process, Ceramics International, 41, 12788-12797, 2015

33	Derya Kapusuz, Y. Eren Kalay, Jongee Park, Abdullah Ozturk, Synthesis and characterization of hydrothermally grown potassium titanate nanowires, <i>Journal of Ceramic Processing Research</i> , 16(3), 291-297, 2015
34	Jongee Park, Abdullah Öztürk, "Mekanik Biyalı Öğütme Yöntemiyle Gümüş Yüklü TiO <sub>2</sub> Tozların Fotokatalitik Özellikleri", <i>Fen ve Mühendislik Bilimleri Dergisi, Ayfon Kocatepe Üniversitesi</i> , Vol. 14, 243-251, 2014
35	Derya Kapusuz, Jongee Park, Abdullah Ozturk, Sol-gel synthesis and photocatalytic activity of B and Zr co-doped TiO <sub>2</sub> , <i>Journal of Physics and Chemistry of Solids</i> , 74, 1026-1031, 2013
36	Basak Aysin, Abdullah Ozturk, Jongee Park, Silver-loaded TiO <sub>2</sub> powders prepared through mechanical ball milling, <i>Ceramics International</i> , 39, 7119-7126, 2013
37	Tolga Tokmakci, Abdullah Ozturk, Jongee Park, Boron and zirconium co-doped TiO <sub>2</sub> powders prepared through mechanical ball milling, <i>Ceramics International</i> , 39, 5893-5899, 2013
38	Jongee Park, Abdullah Ozturk, Bioactivity of Apatite-Wollastonite Glass-Ceramics Produced by Melting Casting, <i>Surface Review and Letters</i> , 20, 13500101-13500107, 2013
39	Tugce Oztas, Jongee Park, Abdullah Ozturk, "Production of Highly Efficient Photocatalytic TiO <sub>2</sub> Powders by Mechanical Ball Milling", <i>Advanced Materials Research</i> , 650, 44-48, 2013
40	Nursev Bilgin, Jongee Park, Abdullah Ozturk, "Influence of Particle Size of TiO <sub>2</sub> Powder on the Energy Conversion Efficiency of a Dye-Sensitized Solar Cell", <i>Advanced Materials Research</i> , 650, 39-43, 2013
41	Ahmet Kursad Culhaoglu, Joonge Park, "A comparison of the wear resistance and hardness of two different indirect composite resins with a ceramic material, opposed to human enamel", <i>European Journal of General Dentistry</i> , 2 (3), 60-66, 2013
42	Lutfi Agartan, Derya Kapusuz, Jongee Park, Abdullah Ozturk, "Effect of H <sub>2</sub> O/TEOT ratio on photocatalytic activity of sol-gel-derived TiO <sub>2</sub> powder", <i>Nanomaterials and Energy</i> , Vol. 2 (6), 280-287, 2013
43	K. Soysal, J. Park, S.H. You, D.W. Shin, W.T. Bae and A. Ozturk, Preparation and photocatalytic activity of apatite-precipitated TiO <sub>2</sub> , <i>Journal of Ceramic Processing Research</i> , 12, 176-182, 2011
44	Jongee Park, Photocatalytic activity of hydroxyapatite-precipitated potassium titanate whiskers, <i>Journal of Alloys and Compounds</i> , 492, L57-L60, 2010
45	Jongee Park, Sang-hee Yoo, Dong-woo Shin, Abdullah Ozturk, Tribological behavior of alumina-added apatite-wollastonite glass-ceramics in simulated body fluid, <i>Materials Chemistry and Physics</i> , 124, 113-119, 2010
46	Jongee Park, Gurel Pekkan, Abdullah Ozturk, Friction and wear behavior of selected dental ceramics, <i>Surface Review and Letters</i> , 16, 653-661, 2009
47	Hye-Yeon Chun, Sam-Sik Park, Sang-Hee You, Gi-Hyeon Kang, Won-Tae Bae, Kwang-Wook Kim, Jong-Ee Park, Abdullah Ozturk, Dong-Woo Shin, Preparation of a transparent hydrophilic TiO <sub>2</sub> thin film photocatalyst, <i>Journal of Ceramic Processing Research</i> , 10, 219-223, 2009
48	C. Vakifahmetoglu, J. Park, F. Korkusuz, A. Ozturk, M. Timucin, "Production and Properties of Apatite-Wollastonite Ceramics for Biomedical Applications", <i>Interceram</i> , 58(2-3), 86-90, 2009
49	Jong-Ee Park, Abdullah Öztürk, Sang-Hee You, Sam-Sik Park, Won-Tae Bae and Dong-Woo Shin, Effect of microstructure on the tribological properties of apatite-wollastonite glass ceramic, <i>Journal of Ceramic Processing Research</i> , 9, 230-233, 2008
50	Jongee Park and Abdullah Ozturk, Effect of TiO <sub>2</sub> addition on the crystallization and tribological properties of MgO-CaO-SiO <sub>2</sub> -P <sub>2</sub> O <sub>5</sub> -F glasses, <i>Thermochimica Acta</i> , 470, 60-66, 2008

51	Jongee Park and Abdullah Ozturk, Tribological Properties of MgO-CaO-SiO <sub>2</sub> -P <sub>2</sub> O <sub>5</sub> -F Based Glass Ceramic for Dental Applications, Materials Letters, 61, 1916-1921, 2007
52	Jongee Park, Gurel Pekkan and Abdullah Ozturk, "Wear of MgO-CaO-SiO <sub>2</sub> -P <sub>2</sub> O <sub>5</sub> -F Based Glass Ceramics Compared to Selected Dental Ceramics", Reseach Letters in Materials Sciences, Vol. 2007, pp:1-5.

## PROJECTS

1	Project Leader, "A study on comparison between Korean and Turkish traditional ceramicsbased on historical and material science perspective", The Academy of Korea Studies, 2024-2025
2	Project Leader, "Lityum-lyon Pilde Bir Anot Olarak Katmanlı Titanyum Karbürün İlk Prensi Çalıřması", TÜBİTAK:123M723, 2023–2024
3	Project Reseracher, " Zirkonya Kemik Greftlerinin Biyoesinlenilmiş Por Gradyanlı 3D Baskılanması İçin Uluslararası İşbirliği", TÜBİTAK:123R056, 2023–2026
4	Project Leader, "Fabrication of B <sub>4</sub> C-SiC Ceramic Composites by Hot press sintering", ADP 1920-02, 2019-2020
5	Project Leader, "Manufacturing of sizable area and integrated dye-sensitized solar cells", Eurostars 2, 2015-2018
6	Project Researcher, "Dye-sensitized solar cell based On Perovskite solid-state Electrolyte", 216M391, TÜBİTAK-EU-KONNECT, 12.2016-1.2018
7	Project Leader, "Zirkonya Esaslı Seramik Diř Malzemelerin Üretimi ve Geliřtirilmesi", KOSGEB, 2014-2016
8	Project Leader, "Development and Fabrication of Cordierite Ceramic Backing Materials", ATILIM-BAP-B-1213-01, 2013–2015
9	Project Leader, "TiO <sub>2</sub> Tozlarından Boya-sentezli Güneř Enerjisi Pili Üretimi", KOSGEB, 2011–2013
10	Project Leader, "Fotokatalitik ve Süreksiz Fiberle Güçlendirilmiş Dental Kompozitlerin Geliřtirilmesi", TÜBİTAK:110M206, 2010–2012
11	Project Leader, "Fabrication of Dye-sensitized Solar Cell by nano-sized TiO <sub>2</sub> powders", ATILIM BAP-1011-02, 2011–2012
12	Project Leader, "Preparation of visible-light responsive B-Zr-codoped photocatalytic TiO <sub>2</sub> ", BOREN:2010.Ç0275, 2010–2011
13	Project Leader, "Production of high efficiency photocatalytic TiO <sub>2</sub> powder by mechanical ball milling", ATILIM BAP:2010-4, 2010–2011
14	Project Researcher, "Production of nano-size titania sol and highly efficient photocatalytic TiO <sub>2</sub> powder by mechanical ball milling", TÜBİTAK:109M048, 2010–2012
15	Project Researcher, "Yapay Vücut Sıvısında Titanium Dioksit Tozlarının Üzerinde Apatit Oluřturulması", TÜBİTAK:106M531(G.Kore KRF ile ortak destek), 2007–2008
16	Project Researcher, "Apatit-wollastonit Kompozit Kemik Seramiklerin Üretimi ve Karakterizasyonu", TÜBİTAK:105M400, 2006–2008

## PATENTS

1	Jongee Park, Abdullah Öztürk, Mert Özcan Öztürk, Yiğit Cansın Öztürk, Özlem Ağaç, "Production of zirconia dental ceramic materials", 2015/17037
2	Jongee Park, "Production of method of titania paste", 2013/03296
3	Jongee Park, Mert Özcan Öztürk, Yiğit Casın Öztürk, "Güneř enerjisi ile çalıřan oyuncak", TR 2013 05227 Y (faydalı model)
4	Sungho Park, Wonjae Han, Jongee Park, "Method of Processing Potassium Titanate Fiber", KOREA-0156676, 1998

## CONFERENCE PRESENTATIONS

1	Pelin Gündoğmuş, Jongee Park, Abdullah Öztürk, "Preparation and Photocatalytic Activity of Solar Light Sensitive g-C <sub>3</sub> N <sub>4</sub> /TiO <sub>2</sub> Heterojunction Nanocomposites", International Metallurgical and Materials Congress (IMMC2021), 10-12.06.2021, Online, Turkey.
2	Jongee Park, Pelin Gündoğmuş, Abdullah Öztürk, "Preparation of g-C <sub>3</sub> N <sub>4</sub> /TiO <sub>2</sub> Heterojunction Photocatalysts for Photocatalytic Applications", 12th Europe-Korea Conference on Science and Technology (EKC2019), July 15-18, 2019, Vienna, Austria.
3	Asmae Bouziani, Yigit Cansin Ozturk, Mert Efe, Jongee Park, Abdullah Ozturk, "Production of Photocatalytically Active TiO <sub>2</sub> – P <sub>2</sub> O <sub>5</sub> Glasses by The Sol-Gel Process", 19th International Metallurgy and Materials Congress (IMMC 2018), Oct. 2018, Istanbul Turkey.
4	Ahmed Hafedh Mohammed Mohammed, Jongee Park, Abdullah Ozturk, "Effect of Acid Catalyser on the Synthesis of Photocatalytically Active Titanium Dioxide Nanopowders", 19th International Metallurgy and Materials Congress (IMMC 2018), Oct. 2018, Istanbul Turkey.
5	Bektaş Taha Altıparmak, Asmae Bouziani, Jongee Park, Abdullah Öztürk, "Production and Characterization of ZnO Doped Yttria Stabilized Zirconia Ceramic Blocks", 19th International Metallurgy and Materials Congress (IMMC 2018), Oct. 2018, Istanbul Turkey.
6	Nursev Erdogan, Göksel Durukaya, Jongee Park, Abdullah Ozturk, "Synthesis and Characterization of Nanoribbons Synthesized by Hydrothermal Process", 4th International Conference on Advanced Electromaterials (ICAE 2017), 21- 24 Nov. 2017, Jeju, South Korea.
7	Nursev Erdoğan, Jongee Park, Abdullah Öztürk, "Composite TiO <sub>2</sub> Films for Single and Bi-layer Photoanodes of Dye- Sensitized Solar Cells", 13th Nanoscience & Nanotechnology Conference 22 - 25 Oct. 2017, Antalya, Turkey.
8	Sitki Can Akkuş, Abdullah Öztürk, Volkan Kalem, Jongee Park, Influence of TiO <sub>2</sub> Content on the Photocatalytic Activity of TiO <sub>2</sub> -B <sub>2</sub> O <sub>3</sub> Glasses Prepared by the Sol-Gel Process, 18th International Metallurgy and Materials Congress (IMMC 2016), 29 Sept-1 Oct. 2016, Istanbul Turkey. pp 40-43.
9	Melis Kaplan, Abdullah Öztürk, Jongee Park, Production and Characterization of Yttria Stabilized Zirconia Ceramic Blocks for Dental Applications, 18th International Metallurgy and Materials Congress (IMMC 2016), 29 Sept-1 Oct. 2016, Istanbul Turkey. pp. 324-327.
10	Nursev Bilgin, Jongee Park, Abdullah Ozturk, "Synthesis of molybdenum and iron co-doped nano titania powders by hydrothermal method and their enhanced photocatalytic activities", New Trends in Solar Cells 2016, 19-22 April 2016 Brastislava Slovak Republic. Pp:84.
11	Jongin Hong, Jaekwon Cho, Sungjun Hong, Chi-Hwan Han, Kidong Lee, Kyungwon Kwak, Soo-Young Kim, Anders Sorensen, Laura Rodrigo Gutierrez, Jongee Park, Abdullah Öztürk, "Manufacturing of sizable area and integrated dye-sensitized solar cells (MOSAICS) supported by the Eurostars2 programme", New Trends in Solar Cells 2016, 19-22 April 2016 Brastislava Slovak Republic. Pp 66-67
12	Gürel Pekkan, Keriman Pekkan, Jongee Park, Abdullah Ozturk, "Characterization of dental feldspatic porcelain and apatite-wollastonite ceramic interface", 9th Ceramic Congress 2015 with International Participation, 26-28 Nov 2015, Afyonkarahisar, Turkey
13	Jongee Park, "Effect of Titania and Alumina Addition on Mechanical Properties of Dental Zirconia Ceramics", 8th Euro-Korean Conference on Science and Technology, 22-24 July 2015, Strasbourg France

14	Ozlem Agac, Abdullah Ozturk, Jongee Park, "Influence of TiO <sub>2</sub> and Al <sub>2</sub> O <sub>3</sub> Addition on Mechanical Properties of Dental Zirconia", Nanotech France 2015, 15-17 June 2015 Paris France.
15	Derya Kapusuz, Jongee Park, Abdullah Öztürk, "Photocatalytic Properties of Potassium Titanate Whiskers synthesized by Sol-Gel Process", 17th International Metallurgy and Materials Congress, 11-13 September 2014, Istanbul Turkey
16	Lütfi Ağartan, Derya Kapusuz, Jongee Park, Abdullah Öztürk, "Photocatalytic Properties of TiO <sub>2</sub> Powders Synthesized by Sol-Gel process using different Water/Ti-precursor Ratio", 17th International Metallurgy and Materials Congress, 11-13 September 2014, Istanbul Turkey
17	Nursev Bilgin, Abdullah Öztürk, Jongee Park, "Synthesis of TiO <sub>2</sub> and Titanate Nanopowders in Various Morphologies via Hydrothermal Method", 17th International Metallurgy and Materials Congress, 11-13 September 2014, Istanbul Turkey
18	Özlem Ağaç, Abdullah Öztürk, Jongee Park, "Effects of Titania and Sintering Temperature on Microstructure of Dental Zirconia", 7th International Powder Metallurgy Conference and Exhibition, 24-28 June 2014, Ankara, Turkey
19	Meriç Keser, Abdullah Öztürk, Jongee Park, "Effect of Li <sub>2</sub> O/Bi <sub>2</sub> O <sub>3</sub> contents on sintering and crystallization behaviours of MgO-Al <sub>2</sub> O <sub>3</sub> -SiO <sub>2</sub> system, 7th International Powder Metallurgy Conference and Exhibition, 24-28 June 2014, Ankara, Turkey
20	Çağlar Ekşi, Abdullah Öztürk, Jongee Park, "Production of Cordierite Ceramics from Kaolin, Talc, Magnesia and Quartz", 7th International Powder Metallurgy Conference and Exhibition, 24-28 June 2014, Ankara, Turkey
21	Lütfi Ağartan, Jongee Park, Abdullah Ozturk, "Effect of Water/Tetraethylorthotitanate Ratio on the morphology of Sol-Gel Derived TiO <sub>2</sub> Powder and its photocatalytic activity", TMS 2014 143rd Annual Meeting & Exhibition, 16-20 February 2014, San Diego, California, USA
22	Nursev Bilgin, Jongee Park, Abdullah Ozturk, "Influence of Particle Size of TiO <sub>2</sub> Powder on the Energy Conversion Efficiency of a Dye-Sensitized Solar Cell", Advanced Materials Research, Vol. 650 (2013), pp: 39-43.
23	Tugce Oztas, Jongee Park, Abdullah Ozturk, "Production of Highly Efficient Photocatalytic TiO <sub>2</sub> Powders by Mechanical Ball Milling", Advanced Materials Research, Vol. 650 (2013), pp 44-48.
24	C. Vakifahmetoglu, J. Park, F. Korkusuz, A. Ozturk, M. Timucin, "Production and Properties of Apatite-Wollastonite Ceramics for Biomedical Applications", Interceram, Vol.58(2-3) (2009), pp:86-90.
25	N. Bilgin, J. Park, A. Ozturk, "Effect of Porosity on the Efficiency of DSSC Produced by Using Nano-Size TiO <sub>2</sub> Powders", 37th International Conference & Exposition on Advanced Ceramics & Composites (ICACC), 27 Jan. – 1 Feb. 2013, Florida, USA.
26	D.Kapusuz, J. Park, A. Ozturk, "Production of Potassium Titanate Whisker Reinforced Dental Composites", 37th International Conference & Exposition on Advanced Ceramics & Composites (ICACC), 27 Jan.- 1 Feb. 2013, Florida, USA.
27	Nursev Bilgin, Jongee Park, Abdullah Ozturk, "Influence of Particle Size of TiO <sub>2</sub> Powder on the Energy Conversion Efficiency of a Dye-Sensitized Solar Cell", International Conference on Advances in Materials Science and Engineering, Dec. 2012, Seoul Korea.
28	Tugce Oztas, Jongee Park, Abdullah Ozturk, "Production of Highly Efficient Photocatalytic TiO <sub>2</sub> Powders by Mechanical Ball Milling", International Conference on Advances in Materials Science and Engineering, 9-10 Dec. 2012, Seoul Korea.



29	T. Tolga, A. Ozturk, J. Park, "Preparation of Boron-Zirconium Co-doped TiO <sub>2</sub> ", 8th International Conference on Nanoscience and Nanotechnologies, July 2011, Thessaloniki, Greece.
30	D.Kapusuz, J. Park, A. Ozturk, "Sol-gel Synthesis of B and Zr co-doped Titania Photocatalysts" 17th International Symposium on Boron, Borides and Related Materials, 11-17. Sep. 2011, İstanbul, Turkey.
31	Derya Kapusuz, Jongee Park, Abdullah Ozturk, "Influence of Boron and/or Zirconium Doping on Morphology and Optical Properties of Titania, 3rd International Conference (NanoCon), Sep. 2011, Brno, Czech Republic.81-87
32	Başak Aysin, Jongee Park, Abdullah Ozturk, "Production of Silver Loaded Photocatalytic TiO <sub>2</sub> Powders by Ball Mill, 3rd International Conference (NanoCon), Sep. 2011, Brno, Czech Republic.521-526
33	Başak Aysin, Esra Çorapçı, Jongee Park, Abdullah Öztürk, "Mekanik Bilyalı Öğütmeyle Yüksek Etkinlikte Fotokatalitik TiO <sub>2</sub> Tozunun Hazırlanması", 15th International Metallurgy & Materials Congress, Nov. 2010, İstanbul, Turkey
34	Jongee Park, Abdullah Ozturk, "Wear Properties of Apatite-Wollastonite Glass Ceramics Produced by Powder Packing Process", 5th International Powder Metallurgy Conference, 8-12 Oct. 2008, Ankara, Turkey.

## CITATIONS

Sum of times cited without self-citations (ISI Web of Science):	690
H-index (ISI Web of Science):	17

## COURSES GIVEN

1	MATE 207 Introduction to Materials Science and Engineering
2	MATE 208 Introduction to Materials Science and Engineering for Mechatronics
3	MATE 209 Physics of Materials
4	MATE 311 Ceramics and Refractory Materials
5	MATE 320 Engineering Materials
6	MATE 474 Processing of Ceramic Materials
7	MATE 540 Advanced Ceramic Science
8	MATE 541 Advanced Glass Science and Technology

## THESES SUPERVISED

1	PhD Thesis, Hydrothermal synthesis of TiO <sub>2</sub> nanostructures in various morphologies for the production for the dye sensitized solar cells, 2017
2	PhD Thesis, Production of potassium titanate whisker reinforced polymer composites for dental applications, 2016
3	MS Thesis, Preparation and Characterization of Injectable Poly(Methyl Methacrylate)(PMMA)/Zirconia Composites, 2020
4	MS Thesis, Synthesis of g-C <sub>3</sub> N <sub>4</sub> /TiO <sub>2</sub> Heterojunction Composites with Enhanced Solar Light Photocatalytic Activity, 2020

<b>5</b>	MS Thesis, Synthesis of nano TiO <sub>2</sub> for water purification, 2018
<b>6</b>	MS Thesis, Mechanical and biological properties of alumina and titania co-doped zirconia ceramics, 2017
<b>7</b>	MS Thesis, Production and characterization of Ytria stabilized zirconia ceramic blocks for dental applications, 2017
<b>8</b>	MS Thesis, Production of Photocatalytic TiO <sub>2</sub> Powder by Mechanical Ball Milling, 2013
<b>9</b>	MS Thesis, Preparation of Boron/Zirconium co-doped photocatalytic TiO <sub>2</sub> , 2013