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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>02/2013</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
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### 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>	Bioceramics
<b>6</b>	Ultra-High temperature ceramics
<b>7</b>	Cordierite ceramic substrates

### PROFESSIONAL SERVICE

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

1	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
2	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
3	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
4	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
5	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
6	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
7	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
8	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
9	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
10	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
11	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
12	Derya Kapusuz, Y. Eren Kalay, Jongee Park, Abdullah Ozturk, Synthesis and characterization of hydrothermally grown potassium titanate nanowires, Journal of Ceramic Processing Research, 16(3), 291-297, 2015
13	Derya Kapusuz, Jongee Park, Abdullah Ozturk, Sol–gel synthesis and photocatalytic activity of B and Zr co-doped TiO <sub>2</sub> , Journal of Physics and Chemistry of Solids, 74, 1026-1031, 2013
14	Basak Aysin, Abdullah Ozturk, Jongee Park, Silver-loaded TiO <sub>2</sub> powders prepared through mechanical ball milling, Ceramics International, 39, 7119-7126, 2013
15	Tolga Tokmakci, Abdullah Ozturk, Jongee Park, Boron and zirconium co-doped TiO <sub>2</sub> powders prepared through mechanical ball milling, Ceramics International, 39, 5893-5899, 2013
16	Jongee Park, Abdullah Ozturk, Bioactivity of Apatite-Wollastonite Glass-Ceramics Produced by Melting Casting, Surface Review and Letters, 20, 13500101-13500107, 2013

17	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> , Journal of Ceramic Processing Research,12,176-182, 2011
18	Jongee Park, Photocatalytic activity of hydroxyapatite-precipitated potassium titanate whiskers, Journal of Alloys and Compounds, 492, L57-L60, 2010
19	Jongee Park, Sang-hee Yoo, Dong-woo Shin, Abdullah Ozturk, Tribological behavior of alumina-added apatite-wollastonite glass-ceramics in simulated body fluid, Materials Chemistry and Physics, 124, 113-119, 2010
20	Jongee Park, Gurel Pekkan, Abdullah Ozturk, Friction and wear behavior of selected dental ceramics, Surface Review and Letters, 16, 653-661, 2009
21	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, Journal of Ceramic Processing Research, 10, 219-223, 2009
22	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, Journal of Ceramic Processing Research, 9, 230-233, 2008
23	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, Thermochemica Acta, 470, 60-66, 2008
24	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

## PROJECTS

1	Project Leader, "Manufacturing of sizable area and integrated dye-sensitized solar cells", Eurostars 2, 2015-2018
2	Project Researcher, "Dye-sensitized solar cell based On Perovskite solid-state Electrolyte", 216M391, TÜBİTAK-EU-KONNECT, 12.2016-1.2018
3	Project Leader, "Zirkonya Esaslı Seramik Diş Malzemelerin Üretimi ve Geliştirilmesi", KOSGEB, 2014-2016
4	Project Leader, "Development and Fabrication of Cordierite Ceramic Backing Materials", ATILIM-BAP-B-1213-01, 2013-2015
5	Project Leader, "TiO <sub>2</sub> Tozlarından Boya-sentezli Güneş Enerjisi Pili Üretimi", KOSGEB, 2011-2013
6	Project Leader, "Fotokatalitik ve Süreksiz Fiberle Güçlendirilmiş Dental Kompozitlerin Geliştirilmesi", TÜBİTAK:110M206, 2010-2012
7	Project Leader, "Fabrication of Dye-sensitized Solar Cell by nano-sized TiO <sub>2</sub> powders", ATILIM BAP-1011-02, 2011-2012
8	Project Leader, "Preparation of visible-light responsive B-Zr-codoped photocatalytic TiO <sub>2</sub> ", BOREN:2010.Ç0275, 2010-2011
9	Project Leader, "Production of high efficiency photocatalytic TiO <sub>2</sub> powder by mechanical ball milling", ATILIM BAP:2010-4, 2010-2011
10	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
11	Project Researcher, "Yapay Vücut Sıvısında Titanium Dioksit Tozlarının Üzerinde Apatit Oluşturulması", TÜBİTAK:106M531(G.Kore KRF ile ortak destek), 2007-2008
12	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 Cansın Öztürk, "Güneş enerjisi ile çalışan 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	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.
2	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.
3	Sıtkı 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.
4	Melis Kaplan, Abdullah Öztürk, Jongee Park, Production and Characterization of Ytria 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.
5	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.
6	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
7	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
8	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
9	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.
10	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
11	Lütfi Agartan, 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
12	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
13	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
14	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
15	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
16	Lütfi Ağartan, Jongee Park, Abdullah Ozturk, “Effect of Water/Tetrahyloorthotitanate 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
17	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.
18	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.
19	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.
20	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.
21	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.
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”, International Conference on Advances in Materials Science and Engineering, Dec. 2012, Seoul Korea.
23	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.
24	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.
25	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.

26	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
27	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
28	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, Istanbul, Turkey
29	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):	170
H-index (ISI Web of Science):	8

## COURSES GIVEN

1	MATE 207 Introduction to Materials Science and Engineering
2	MATE 208 Introduction to Materials Science and Engineering for Mechatronics
3	MATE 311 Ceramics and Refractory Materials
4	MATE 320 Engineering Materials
5	MATE 474 Processing of Ceramic Materials
6	MATE 540 Advanced Ceramic Science
7	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, Synthesis of nano TiO <sub>2</sub> for water purification, 2018
4	MS Thesis, Mechanical and biological properties of alumina and titania co-doped zirconia ceramics, 2017
5	MS Thesis, Production and characterization of Ytria stabilized zirconia ceramic blocks for dental applications, 2017
6	MS Thesis, Production of Photocatalytic TiO <sub>2</sub> Powder by Mechanical Ball Milling, 2013
7	MS Thesis, Preparation of Boron/Zirconium co-doped photocatalytic TiO <sub>2</sub> , 2013