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EDUCATION

2009	Mississippi State University, Engineering Physics , Ph.D.
2001	Hacettepe University, Engineering Physics , B.S.

ACADEMIC POSITIONS

09/2022-	Visiting Research Professor, Physics Department, UMASS, LOWELL, MA, USA
11/2022-	Professor, Electrical and Electronics Engineering Department, Atılım University, Turkey
09/17-09/2022	Associate Professor, Electrical and Electronics Engineering Department, Atılım University, Turkey
09/13 - 09/17	Assistant Professor, Electrical and Electronics Engineering Department, Atılım University, Turkey
04/2012 – 03/2013	Research Scientist, Applied Spectra, Fremont, CA, USA
07/2011 – 04/2012	Post Doctoral Researcher, Florida International Univ., Miami, FI, USA
01/2010 – 07/2011	Post Doctoral Researcher, Mississippi Ethanol LLC, Mississippi State, MS, USA

ADMINISTRATIVE DUTIES

02/2017-09/2022	Department Head, ATILIM University
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HONORS&AWARDS

1	Magna Cum Laude

RESEARCH INTERESTS

1	Photonics, Optics, Microelectronics
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PUBLICATIONS

1	H Berberoğlu, M Tiken, KE Eseller, E Orhan, C Candan, Performance evaluation of self-mixing interferometer with the ceramic type piezoelectric accelerometers, Open Physics 20 (1), 78-86, 2022
2	G Bilge, KE Eseller, H Berberoglu, B Sezer, U Tamer, IH Boyaci, Comparison of different calibration techniques of laser induced breakdown spectroscopy in bakery products: on NaCl measurement, Journal of the

	European Optical Society-Rapid Publications 17 (1), 1-8, 2021
3	FY Yueh, MM Tripathi, JP Singh, B Sezer, KE Eseller, Combustion applications of laser-induced breakdown spectroscopy Laser-Induced Breakdown Spectroscopy, 2020
4	KE Eseller, IH Boyaci, B Sezer, G Bilge, H Berberoglu, Food science application, Laser-Induced Breakdown Spectroscopy, 347-368, 2020
5	B Sezer, G Bilge, KE Eseller, H Berberoglu, IH Boyaci, Laser induced breakdown spectroscopy based diffusion modelling in cheese matrix Journal of Food Engineering 263, 320-325, 2019
6	G Bilge, B Sezer, IH Boyaci, KE Eseller, H Berberoglu, Performance evaluation of laser induced breakdown spectroscopy in the measurement of liquid and solid samples, Spectrochimica Acta Part B: Atomic Spectroscopy 145, 115-121, 2018
7	K Bhavsar, KE Eseller, R Prabhu, Design optimization of Cassegrain telescope for remote explosive trace detection, Proceedings Volume 10441, Counterterrorism, Crime Fighting, Forensics, and Surveillance Technologies, 2017
8	G Bilge, B Sezer, KE Eseller, H Berberoglu, A Topcu, IH Boyaci, Determination of whey adulteration in milk powder by using laser induced breakdown spectroscopy, Food chemistry 212, 183-188, 2016
9	G Bilge, B Sezer, KE Eseller, H Berberoglu, H Koksel, IH Boyaci, Ash analysis of flour sample by using laser-induced breakdown spectroscopy Spectrochimica Acta Part B: Atomic Spectroscopy 124, 74-78, 2016
10	G Bilge, HM Velioglu, B Sezer, KE Eseller, IH Boyaci, Identification of meat species by using laser-induced breakdown spectroscopy, Meat science 119, 118-122, 2016
11	IHB Gonca Bilge, Banu Sezer, Kemal Efe Eseller, Halil Berberoglu, Hamit Köksel, Determination of Ca addition to the wheat flour by using laser-induced breakdown spectroscopy (LIBS), Eur Food Res Technol, 2016
12	G Bilge, İH Boyacı, KE Eseller, U Tamer, S Çakır, Analysis of bakery products by laser-induced breakdown spectroscopy, Food chemistry 181, 186-190, 2015
13	MM Tripathi, KE Eseller, FY Yueh, JP Singh, An optical sensor for multi-species impurity monitoring in hydrogen fuel, Sensors and Actuators B: Chemical 171, 416-422, 2012
14	KE Eseller, FY Yueh, JP Singh, N Melikechi, Helium detection in gas mixtures by laser-induced breakdown spectroscopy, Applied optics 51 (7), B171-B175, 2012
15	KE Eseller, FY Yueh, JP Singh, Non-intrusive, on-line, simultaneous multi-species impurity monitoring in hydrogen using LIBS Applied Physics B 102 (4), 963-969, 2011
16	KE Eseller, MM Tripathi, FY Yueh, JP Singh, Elemental analysis of slurry samples with laser induced breakdown spectroscopy Applied optics 49 (13), C21-C26, 2010
17	MM Tripathi, KE Eseller, FY Yueh, JP Singh, Multivariate calibration of spectra obtained by Laser Induced Breakdown Spectroscopy of plutonium oxide surrogate residues, Spectrochimica Acta Part B: Atomic Spectroscopy 64 (11-12), 1212-1218, 2009
18	KE Eseller, FY Yueh, JP Singh, Laser-induced breakdown spectroscopy measurement in methane and biodiesel flames using an ungated detector Applied optics 47 (31), G144-G148, 2008

PROJECTS

1	Kemal E. Eseller, Jagdish P. Singh and Fang-Yu Yueh, Non-Intrusive, On-line, Simultaneous Multi-Species Impurity Monitor in Hydrogen NASA Contract No: NNX08CD53P, Ocak 2009
2	Kemal E. Eseller, Jagdish P. Singh and Fang-Yu Yueh, "Hydrocarbon Rocket Engine Plume Imaging with Laser Induced Incandescence", NASA Contract No: 05-i T9.01-9993, Ocak 2007

CONFERENCE PRESENTATIONS

1	ESELLER KEMAL EFE,gonca bilge,BOYACI ISMAIL HAKKI (2015). Analysis of Bakery and Dairy Products by Using Laser Induced Breakdown Spectroscopy. SCIX 2015 Invited Speaker
2	ESELLER KEMAL EFE (2014). Investigation of Archeological Monuments in Southwestern of Turkey by LIBS. 8. International Conference on LIBS 2014
3	Dikshit vivek,ESELLER KEMAL EFE,singh jagdish,melikechi noureddin (2011). Laser Induced Breakdown Spectroscopy of Carbon Gases. PITTCON 2011 (Poster)
4	ESELLER KEMAL EFE,yueh fang y,singh jagdish (2010). Detection of Helium Impurity in Hydrogen Gas with Laser Induced Breakdown Spectroscopy. 6th International Conference on LIBS (Poster)
5	ESELLER KEMAL EFE,singh jagdish,yueh fang y (2009). Multi-Species Impurity Detection in Hydrogen with Laser Induced breakdown spectroscopy. 5 th International Conference On Laser- Induced Breakdown Spectroscopy (Kontrol No: 1644818)
6	ESELLER KEMAL EFE,fang y yueh,singh jagdish,olin perry norton,robert I cook,william st cyr(2007). Hydrocarbon Rocket Engine Plume Imaging with Laser Induced Incandescence. 38th Plasmadynamics and Lasers Conference, Doi: 10.2514/6.2007-4014

CITATIONS

Sum of times cited without self-citations (ISI Web of Science):	492
H-index (ISI Web of Science):	11