



Kemal Efe ESSELLER, Ph.D.
Associate Professor
Atılım University
Electrical-Electronics Engineering Dept.
06830 İncek, Gölbaşı, Ankara/TURKEY
efe.eseller@atilim.edu.tr
Tel: +90 312 586 83 37

PERSONAL

Date of Birth	15/03/1976
Place of Birth	Ankara

EDUCATION

2009	Mississippi State University, Engineering Physics , Ph.D.
2000	Hacettepe University, Engineering Physics , B.S.

ACADEMIC POSITIONS

09/17-	Associate Professor, Electrical and Electronics Engineering Department, Atılım University, Turkey
09/13 - 09/17	Assistant Professor, Electrical and Electronics Engineering Department, Atılım University, Turkey

ADMINISTRATIVE DUTIES

02/2017	Department Head, ATILIM University
----------------	------------------------------------

HONORS&AWARDS

1	Magna Cum Laude
----------	-----------------

RESEARCH INTERESTS

1	Photonics, Optics, Microelectronics
----------	-------------------------------------

PROFESSIONAL SERVICE

1	Editor, Journal name
2	XXXX

PUBLICATIONS (SCI)

1	Kemal E. Eseller, Fang Y. Yueh, and Jagdish P. Singh, "Laser-induced breakdown spectroscopy measurement in methane and biodiesel flames using an ungated detector", Applied Optics, Vol. 47, No. 31, 2008
2	Markandey M. Tripathi, Kemal E. Eseller, Fang-Yu Yueh and Jagdish P. Singh, "Multivariate calibration on LIBS spectra for analysis of plutonium oxide surrogate residue" Spectrochim Acta Part B, Volume 64, 11-12, 2009
3	Kemal E. Eseler, Markandey M. Tripathi, Fang-Yu Yueh, and Jagdish P. Singh, "Elemental analysis of slurry samples with laser induced breakdown spectroscopy", Applied Optics, Vol. 49, 13, 2010
4	Kemal E. Eseller, Fang-Yu Yueh, and Jagdish P. Singh, "Non-Intrusive, On-line, "Simultaneous Multi-Species Impurity Monitoring in Hydrogen Using LIBS", Applied Physics B, Applied Physics B, 102, 4, 963, 2011
5	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
6	Markandey M. Tripathi, Kemal E. Eseller, Fang-Yu Yueh, Jagdish P. Singh, "An optical sensor for multi-species impurity monitoring in hydrogen fuel" Sensors and Actuators B: Chemical Volumes 171–172, August–September 2012
7	G Bilge, İH Boyacı, Kemal E Eseller, U Tamer, S Çakır, Analysis of bakery products by laser-induced breakdown spectroscopy, Food chemistry 181, 186-190, 2015
8	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
9	G Bilge, HM Velioglu, B Sezer, Kemal E Eseller, IH Boyaci, Identification of meat species by using laser-induced breakdown spectroscopy, Meat science 119, 118-122, 2016
10	G Bilge, B Sezer, Kemal E 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
11	G Bilge, B Sezer, Kemal E 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
12	G Bilge, B Sezer, IH Boyaci, Kemal E 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

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, January 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, January 2007

PATENTS

1	XXXX
2	XXXX

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
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
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
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
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
7	ESELLER KEMAL EFE,singh jagdish,yueh fang y (2008). Soot Measurement In A Hydrocarbon Rocket Engine With Laser Induced Incandescence. Mississippi Academy of Sciences
8	ESELLER KEMAL EFE,yueh fang y,singh jagdish (2008). Laser Induced Incandescence for Soot Imaging. The 1st Energy-Synergy Workshop
9	ESELLER KEMAL EFE,yueh fang y,singh jagdish (2008). Study of Bio Oil Combustion Using Laser Spectroscopy. International Conference on Security and Environmental Analysis (LACSEA
10	ESELLER KEMAL EFE,yueh fang y,singh jagdish (2007). Soot Imaging of Bio Diesel with Laser Induced Incandescence. International Conference on Laser Diagnostics In Combustion

CITATIONS

Sum of times cited without self-citations (ISI Web of Science):	233
H-index (ISI Web of Science):	09

COURSES GIVEN

1	EE203 Digital Circuits and Systems
2	EE222 Microcontrollers
3	EE506 Computational Methods in Electrical and Electronics Engineering
4	EE435 Optoelectronics

THESES SUPERVISED

1	PhD Thesis, (Co Supervisor), Investigation Of Pharmaceutical Drugs And Medicines By Laser Induced Plasma (Breakdown) Spectroscopy, 2017
2	MS Thesis, Trace Elements in Metals Detection by LIBS, 2017
3	MS Thesis, ANALYSIS OF OPTOELECTRONICS MATERIALS, 2017