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 <https://www.scopus.com/authid/detail.uri?authorId=6507454010>

 https://www.researchgate.net/profile/Omar_Alagha

 <https://publons.com/researcher/2336005/omer-aga/>



Bio

- Ömer AĞA received his Ph.D. in 2000 from the Middle East Technical University, Turkey. Prof AĞA joined the Department of Environmental Engineering, Imam Abdulrahman Bin Faisal University (IAU), KSA, in 2009 .
- Prof AĞA contributed to establishing and developing the curricula and laboratories, lecture rooms, bid preparation of educational technology, and state-of-the-art research equipment at the environmental engineering program in KSA. He has academic, management, and leadership skills. He served as the head of the environmental engineering department and vice dean for quality and strategic planning, a permanent curriculum development committee, and the permanent committee of research at IAU.
- Prof AĞA has more than ten years of quality and accreditations for academic programs and laboratories; he supervised the ABET accreditation and safety committees at the College of engineering, IAU .
- His research is focused on sustainable solutions and low-cost technologies in environmental management. He has four patents and more than 65 publications in SCI-Scopus indexed journals.
- Prof Dr. AĞA has been granted various research awards related to sustainability and environmental management. He recently received HCH Prince Saud Bin Naif "Sanabil" award for his patent "EcoTree."



Language Proficiency

Language	Read	Write	Speak
English	Excellent	Excellent	Excellent
Turkish	Excellent	Excellent	Excellent
Arabic	Excellent	Excellent	Excellent

Academic Qualifications (Beginning with the most recent)

Date	Academic Degree	Place of Issue	Address
2000	PhD	Middle East Technical University	Ankara, Turkey
1996	MSc	Middle East Technical University	Ankara, Turkey
1989	BSc	Cairo University	Cairo, Egypt

PhD, Master or Fellowship Research Title: (Academic Honors or Distinctions)

Post Doc Fellowship	Environmental Engineering	Modelling and Source apportionment of PAH pollutants in Ankara.
PhD	Environmental Engineering	Receptor modelling of wet and dry deposition fluxes of pollutants over a black sea forest region.
Master	Environmental Sciences	Optimization of Cadmium determination in human whole blood by graphite furnace atomic absorption spectrometry and its correlation with smoking.

Professional Record: (Beginning with the most recent)

Job Rank	Place and Address of Work			Date
Prof Dr.	Imam Abdulrman bin Faisal University	Dammam	Kingdom of Saudi Arabia	2016
Assoc. Prof Dr.	Fatih University	Istanbul	Turkey	2008
Assoc. Prof Dr.	University of Dammam	Dammam	Kingdom of Saudi Arabia	2009
Assistant Prof Dr.	Fatih University	Istanbul	Turkey	2000

Administrative Positions Held: (Beginning with the most recent)

Administrative Position	Office	Date
Vice Dean for Studies, Development and Community Service	College of Engineering, IAU, Dammam, Dammam, KSA	2021- present
Supervisor of the community service college committee	College of Engineering, IAU, Dammam, Dammam, KSA	2021- present
Supervisor of the quality and accreditation college committee	College of Engineering, IAU, Dammam, Dammam, KSA	2013- present
Vice Dean for Quality & Strategic Planning	College of Engineering, IAU, Dammam, Dammam, KSA	2014-2021
Member of college council	College of Engineering, IAU, Dammam, Dammam, KSA	2018 – present
Head of the College for curriculum and program development committee	College of Engineering, IAU, Dammam, Dammam, KSA	2017- present



Supervisor of the college safety committee	College of Engineering, IAU, Dammam, Dammam, KSA	2017- present
Member of University permanent committee for curriculum and program development	Vice president, Imam Abdullrman bin Faisal University	2013- present
Member of Deanship of Scientific Research council	Vice president, Imam Abdullrman bin Faisal University	2014- present
Member of University Permanent Quality and Accreditation Committee I	Vice president, Imam Abdullrman bin Faisal University	2013- present
Head of Department	Environmental engineering department, IAU, Dammam, KSA	2011-2013
Assistant Head of Department	Environmental engineering department, Fatih University, Turkey	2004-2009
Industrial Services Lab Manager	Environmental engineering department, Fatih University, Turkey	2001-2009

Patent

#	Patent Title	Inventor	co-Inventor(s)	Publish date
1	Apparatus For Wind Energy Production and Air Purification	Omer Aga	Ismail ANIL	US Patent 10/253,754, 2019
2	Pozzolan polymer composite for soil amendment	A Bozkurt,	AGA Omer, H Tombuloglu, A Ismail, STG Anil	US Patent 16/149,731. 2020
3	Multi-layer geotextile-plastic particle water treatment	C. Yaman	AGA Omer	US Patent US2021/0070640 A1
4	Residential water treatment and recycle system	C Yaman,	AGA Omer	US Patent App. 17/153,968

Awards and distinguished work

#	Award Title	owner	Awarded From	Received date
1	Outstanding research award 3 rd position, College of engineering	Omer Aga	Dean, College of engineering	03 June 2021
2	"Sanabil" 3 rd award for community service	Omer Aga	HCH Prince Saud Bin Naif, prince of the eastern province	11 December 2018
	Certified program reviewer, National Commission for Academic Accreditation and Assessment (NCAAA)	Omer Aga	NCAAA, KSA	June 2020
3	Environmental monitoring and analysis qualification certificate	Omer Aga	The General Authority of Meteorology and Environmental (GAMEP)	08 November 2020
4	Environmental qualification certificate for training and preparation of environmental impact assessment studies and consultations	Omer Aga	The General Authority of Meteorology and Environmental (GAMEP)	08 November 2020



Scientific Achievements

Published Refereed Scientific Researches

(In Chronological Order Beginning with the Most Recent)

#	Name of Investigator(s), Journal, Publisher, Date
1	M Bataineh, O Aga, 2022 Integrating sustainability into higher education curricula: Saudi Vision 2030 [version 1; Under review review: awaiting peer
2	MA Dalhat, SA Osman, ND Mu'azu, O Alagha, 2022, Utilization of oil sludge as rejuvenator in hot-mix-asphalt containing reclaimed asphalt concrete Construction and Building Materials 338, 127483
3	W Alrashedi, H Kochkar, G Berhault, M Younas, AB Ali, NA Alomair, .o alagha, 2022, Enhancement of the photocatalytic response of Cu-doped TiO ₂ nanotubes induced by the addition of strontium, , Journal of Photochemistry and Photobiology A: Chemistry 428, 113858
4	A Iqbal, E Cevik, O Alagha, A Bozkurt, 2022, Highly robust multilayer nanosheets with ultra-efficient batch adsorption and gravity-driven filtration capability for dye removal, Journal of Industrial and Engineering Chemistry 109, 287-295
5	MS Manzar, T Ahmad, N Ullah, PV Chellam, J John, M Zubair, O Alagha, 2022, Comparative adsorption of Eriochrome Black T and Tetracycline by NaOH-modified steel dust: Kinetic and process modeling, , Separation and Purification Technology, 120559
6	AH Alomari, O Aga, L El Sahmarany, M Hegazi, L Almulla, 2022, Public perception towards medical waste generated in the environment during the COVID-19 pandemic in Eastern Province, Saudi Arabia, Heliyon 7 (11), e08363
7	ST Gunday, H Tombuloglu, I Anil, O Alagha, A Bozkurt; Natural pozzolan super-absorbent polymer: synthesis, characterization, and its application on plant growing under drought condition; International Journal of Energy and Environmental Engineering, 1-10
8	C Yaman, I Anil, O Alagha, NI Blaisi, AB Yaman, A Qureshi, E Cevik,; Toluene Bioremediation by Using Geotextile-Layered Permeable Reactive Barriers (PRBs); Processes 9 (6), 906
9	ST Gunday, T Qahtan, E Cevik, I Anil, O Alagha, A Bozkurt; Highly Flexible and Tailorable Cobalt-Doped Cross-Linked Polyacrylamide-Based Electrolytes for Use in High-Performance Supercapacitors; Chemistry–An Asian Journal
10	O Alagha, N Ouerfelli, H Kochkar, MA Almessiere, Y Slimani, Kinetic Modeling for Photo-Assisted Penicillin G Degradation of (MnO. 5ZnO. 5)[CdxFe2-x] O ₄ (x ≤ 0.05) Nanospinel Ferrites; Nanomaterials 11 (4), 970
11	N Al-Garawi, MA Dalhat, O Aga; Assessing the Road Traffic Crashes among Novice Female Drivers in Saudi Arabia Sustainability 13 (15), 8613
12	I Anil, O Alagha, The impact of COVID-19 lockdown on the air quality of Eastern Province, Saudi Arabia, Air Quality, Atmosphere & Health 14 (1), 117-128
13	I Anil, O Alagha, Source Apportionment of Ambient Black Carbon during the COVID-19 Lockdown, International Journal of Environmental Research and Public Health 17 (23), 9021
14	M Zubair, R Ferrari, O Alagha, ND Mu'azu, NI Blaisi, IS Ateeq, MS Manzar, Microwave Foaming of Materials: An Emerging Field, Polymers 12 (11), 2477
15	O Alagha, O Abuhajar, Numerical Modeling of Beach Well Intake as Pre-Treatment for a Desalination Plant, Water 12 (9), 2420
16	ND Mu'azu, O Alagha, I Anil, Systematic Modeling of Municipal Wastewater Activated Sludge Process and Treatment Plant Capacity Analysis Using GPS-X, Wastewater Dye Removal Sustainability 12 (19), 8182
17	A Bozkurt, AGA Omer, H Tombuloglu, A Ismail, STG Anil, Pozzolan polymer composite for soil amendment, US Patent App. 16/149,731
18	C Yaman, I Anil, O Alagha, Potential for greenhouse gas reduction and energy recovery from MSW through different waste management technologies, 2020, Journal of Cleaner Production



19	E Cevik, ST Gunday, I Anil, O Alagha, A Bozkurt, Construction of symmetric supercapacitors using anhydrous electrolytes containing heterocyclic oligomeric structures, 2020, International Journal of Energy Research 44 (4), 3203-3214.
20	ST Gunday, E Cevik, I Anil, O Alagha, A Bozkurt, High-temperature symmetric supercapacitor applications of anhydrous gel electrolytes including doped triazole terminated flexible spacers, 2020, Journal of Molecular Liquids 301, 112400.
21	O Alagha, MS Manzar, M Zubair, I Anil, ND Mu'azu, A Qureshi, Comparative Adsorptive Removal of Phosphate and Nitrate from Wastewater Using Biochar-MgAl LDH Nanocomposites: Coexisting Anions Effect and Mechanistic Studies, 2020, Nanomaterials 10 (2), 336.
22	MA Liadi, ND Mu'azu, N Jarrah, M Zubair, O Alagha, MA Al-Harhi, Comparative performance study of ZnCl ₂ and NaOH sludge based activated carbon for simultaneous aqueous uptake of phenolic compounds, 2020, International Journal of Environmental Analytical Chemistry, 1-25.
23	O Alagha, A Allazem, AA Bukhari, I Anil, ND Mu'azu, Suitability of SBR for Wastewater Treatment and Reuse: Pilot-Scale Reactor Operated in Different Anoxic Conditions, 2020, International Journal of Environmental Research and Public Health 17 (5), 1617.
24	ND Mu'azu, M Zubair, N Jarrah, O Alagha, MA Al-Harhi, MH Essa, Sewage Sludge ZnCl ₂ -Activated Carbon Intercalated MgFe-LDH Nanocomposites: Insight of the Sorption Mechanism of Improved Removal of Phenol from Water, 2020, International journal of molecular sciences 21 (5), 1563.
25	I Anil, ST Gunday, A Bozkurt, O Alagha, Design of Crosslinked Hydrogels Comprising Poly (Vinylphosphonic Acid) and Bis [2-(Methacryloyloxy) Ethyl] Phosphate as an Efficient Adsorbent for Wastewater Dye Removal, 2020, Nanomaterials 10 (1), 131.
26	C Yaman, I Anil, MK Jaunich, NI Blaisi, O Alagha, AB Yaman, ST Gunday, Investigation and modelling of greenhouse gas emissions resulting from waste collection and transport activities, 2019, Waste Management & Research 37 (12), 1282-1290.
27	ND Mu'azu, MH Essa, O Aga, N Jarrah Life cycle assessment approach to sustainable sewage sludge management for water pollution control, 2019, Journal of Physics: Conference Series 1349 (1).
28	I Anil, ST Gunday, O Alagha, A Bozkurt; Synthesis, Characterization, and Swelling Behaviors of Poly(acrylic acid-co-acrylamide)/Pozzolan Superabsorbent Polymers, 2019 , Journal of Polymers and the Environment 27 (5), 1086-1095.
29	Ismail Anil, Omar Alagha , Nawaf I. Blaisi, Iehab Abdelilah Mohamed, Source Identification of Episodic Rain Pollutants by New Approach: Combining Satellite Observations and Backward Air Mass Trajectories, Aerosol and Air Quality Research; 2019, 9 (12), 2827–2843.
30	Omer Aga et al., Development and validation of SPE-LC-MS method for simultaneous determination of selected pharmaceuticals in hospital wastewater. Journal of Analytical & Pharmaceutical Research DOI: 10.15406/japlr.2018.0
31	Omer Aga et al., "Medical Waste Management and Production Rate in the Eastern Province of the Kingdom of Saudi Arabia" Euro-Mediterranean Journal for Environmental Integration, Accepted, EMJE-D-18-00015, 2018
32	Ismail Anil, Omar Alagha, Ferhat Karaca ; Effects of transport patterns on chemical composition of sequential rain samples: trajectory clustering and principal component analysis approach; Air Qual Atmos Health, 2017.
33	Nuhu Dalhat Mu'azu, Abdullahi Usman, Nabeel Jarrah, Omer Alagha: Pulsed Electrokinetic Removal of Chromium, Mercury and Cadmium from Contaminated Mixed Clay Soils, Publication date 2016/10/2, Publisher Taylor & Francis, Soil and Sediment Contamination: An International Journal
34	Fahad Abdullah Alharbi , Fahad Abdulmohsen Alshikh , Mohammed Alshukri , Iehab Abdel-Ilah Mohamed Omar Aga, Isam Mohammed Abdel-Magid; Quality Of Household Water Storage Tanks: Case Study With Emphasis On Dammam Metropolitan Are In The Eastern Region; IJSET - International Journal of Innovative Science, Engineering & Technology, Vol. 4 Issue 2, February 2017.



35	Nuhu Muaz, Nabeel Jarah, Omar Alagha; Pulsed Electrokinetic Removal of Chromium, Mercury and Cadmium from Contaminated Mixed Clay Soils" has been successfully submitted online and is presently being given full consideration for publication in Soil and Sediment Contamination An International Journal, 1(1) P1, 2016.
36	R Rustum, O Aga, IM Abdel-Magid, R Bero, ABS Hariri, FQ Faris The Development of Environmental Engineering Curriculum: A Case Study From University Of Dammam, International Journal of Educational Studies 1 (3), 125-136, 2014.
37	TS Kayed, İ Ercan, O Alagha , γ Irradiation of Bulk MgB2 Superconductor, - Journal of superconductivity and novel magnetism, 2013.
39	Ismail Anıl, Naciye Oztürk, Omar Alagha, Pınar Ergenekon, Optimization of solid-phase microextraction using Taguchi design to quantify trace level polycyclic aromatic hydrocarbons in water. Journal of Separation Science (Impact Factor: 2.59). 12/2012; 35(24):3561-8.
40	LH Tecer, G Tuncel, F Karaca, O Alagha, P Süren, A Zararsız, R Kırmaz, Metallic composition and source apportionment of fine and coarse particles using positive matrix factorization in the southern Black Sea atmosphere, Atmospheric Research 118, 153-169.
41	İsmail ANIL, Ferhat KARACA, `Omer AGA, "Investigation of Long-range Atmospheric Transport Effects on İstanbul", Ekoloji, Vol. 19, No. 73, Oct. 2010, pp. 65-68
42	Ferhat Karaca, Omer AGA, Ferruh Ertürk, "Atmospheric lead concentrations near roadways in İstanbul", Int. J. , Vol. Environment and Pollution, Vol. 41, No. 1-2, Mar. 2010, pp. 38-50
43	Nihan Uygur, Ferhat Karaca and Omer AGA, "Prediction of sources of metal pollution in rainwater in İstanbul, Turkey using factor analysis and long-range transport models", Atmospheric Research, Vol. 95, No. 1, Jan. 2010, pp. 55-64
44	Ferhat Karaca, Ismail Anil, Omer AGA, "Long range potential source contributions of episodic aerosol events to PM10 profile of a megacity", Atmospheric Environment, Vol. 43, No. 36, Oct. 2009, pp. 5713-5722
45	Bertan Basak; Omer AGA, "Trace metals solubility in rainwater: evaluation of rainwater quality at a watershed area, İstanbul", Environ Monit Assess, Vol. 1, No. 1, Aug. 2009, pp. 1
46	Ferhat Karaca, Omer AGA, "Relation of earth probe TOMS/AI data and ground level measured atmospheric aerosols over Marmara region", International Journal of Environment and Pollution, Vol. Vol. 36, No. No. 1/2/3, Jan. 2009, pp. pp. 195-203
47	Sami GÖREN, Omer AGA, "Soil Treatment with Lignin Sulphide Chemical Stabilizer: Environmental and Structural Assessment", JOURNAL OF RESIDUALS SCIENCE & TECHNOLOGY, Vol. 5, No. 4, Dec. 2008, pp. 189
48	Atakan Kurt, Betül Gulsagci, Ferhat Karaca, Omer AGA, "An Online Air Pollution Forecasting System Using Neural Networks", Environment International, In press, 1 Jan. 2008.
49	Ferhat Karaca, Omer AGA, "Relation of earth probe TOMS/AI data and ground level measured atmospheric aerosols over Marmara region", International Journal of Environment and Pollution, Vol. Vol. 36, No. No. 1/2/3, Jan. 2009, pp. pp. 195-203
50	Sami GÖREN, Omar ALAGHA, "Soil Treatment with Lignin Sulphide Chemical Stabilizer: Environmental and Structural Assessment", JOURNAL OF RESIDUALS SCIENCE & TECHNOLOGY, Vol. 5, No. 4, Dec. 2008, pp. 189
51	Lokman H. Tecer , Ferhat Karaca, Omar Alagha, Gürdal Tuncel, Pınar Süren, "Particulate matter (PM2.5 PM10-2.5and PM10) and children's hospital admissions for asthma and respiratory diseases: A bidirectional case-crossover study", Journal of Toxicology Environmental Health, Vol. in press, No. 1, Dec. 2007, pp. 1
52	Ferhat Karaca, Omar Alagha, "Relation of earth probe TOMS/AI data and ground level measured atmospheric aerosols over Marmara region", International Journal of Environment and Pollution, Vol. Vol. 34, No. No. 2/3/4, Dec. 2007, pp. pp. 256-263
53	Lokman Hakan TECER, Omar ALAGHA, Ferhat KARACA, Gürdal TUNCEL, Pınar SÜREN, "Effect of Meteorological Parameters on PM2.5 AND PM10 Mass Concentration in Coal Mining Area, Zonguldak-Turkey", urnal of the Air & Waste Management Association (JA&WMA), Vol. 1, No. 1, Dec. 2007, pp. 1



54	Lokman H. Tecer , Ferhat Karaca, Omar Alagha, Gürdal Tuncel, Pınar Süren, "Source contributions to metallic compositions of PM2.5 and PM10 particles in the southern Black Sea atmosphere", Journal of the Air & Waste Management Association (JA&WMA), Vol. under revi, No. 1, Nov. 2007, pp. 1
55	Ferhat Karaca , Omar Alagha, Ferruh Ertürk, "Traffic related atmospheric lead concentrations and temporal variations over a suburban site of Istanbul (Turkey)", international Journal of Environment and Pollution (IJEP), Vol. accepted, No. 1, Sep. 2007, pp. 1
56	Ozan D Yay, Omar Alagha and Gurdal Tuncel, "Statistical methods to evaluate metal pollution in surface soil ", Journal of Environmental Management, Vol. published, No. 1, Feb. 2007, pp. 1
57	Karaca, F., A. Nikov and O. Alagha, "NN-AirPol: a neural-networks-based method for air pollution evaluation and control, International Journal of Environment and Pollution", International Journal of Environment and Pollution, Vol. 28, No. 3/4, Oct. 2006, pp. 310
58	Ferhat Karaca , Omar Alagha, Eylem Elçi, Ferruh Ertürk, Yusuf Ziya Yılmaz, Türkan Özkara, "Büyükçekmece Gölü Havzasında Havanın PM2.5 ve PM2.5-10 Gruplarında Krom Derişimleri\\"", Ekoloji, Vol. 15, No. 61, Oct. 2006, pp. 1-6
59	Ferhat Karaca, Omar Alagha, Ferruh Ertürk, Y.Ziya Yılmaz, Türkan Özkara, "The Evaluation of Atmospheric Lead Concentration over Marmara Region ", chemosphere, Vol. submitted, No. 1, Jan. 2006, pp. 1
60	Alexander Nikov, Ferhat Karaca, Omar Alagha, Atakan Kurt, "AirPolTool: a web-based system for air pollution forecasting in Istanbul ", Environment International, Vol. Submitted, No. 1, Jan. 2006, pp. 1
61	F Karaca, O Alagha, F Ertürk, "Application of inductive learning: Air pollution forcast in Istanbul Turkey", Intelligent Automation and Soft Computing , Vol. 11, No. 4, Oct. 2005, pp. 216
62	Ferhat Karaca, Omar Alagha , Ferruh Ertürk, , "Statistical characterization of atmospheric PM10 and PM2.5 concentrations at a non-impacted suburban site of Istanbul, Turkey ", Chemosphere, Vol. 59, No. 8, May. 2005, pp. 1183
63	Bertan BAŞAK, Omar ALAGHA, "THE CHEMICAL COMPOSITION OF RAINWATER OVER BÜYÜKÇEKMECE LAKE, İSTANBUL", Atmospheric Research, Vol. 4, No. 71, Oct. 2004, pp. 275-288
64	Nilgun Guvenc , Omar ALAGHA and Gurdal Tuncel, "Investigation of soil multi-element composition in Antalya, Turkey", Environment International, Vol. 1055, Feb. 2003, pp. 1-10
65	Omar alagha and gurdal tuncel, "evaluation of air quality over black sea major ionic composition of rainwater", water air and soil pollution, Vol. 1, No. 1, Feb. 2003, pp. 1-10
66	Alusine Samura, Omar Al-Agha, Semra G. Tuncel , "Study of Trace and Heavy Metals in Rural and Urban Aerosols of Uludağ and Bursa (Turkey) ", Water, Air, & Soil Pollution, Vol. 3, No. 5, Jan. 2003, pp. 109
67	Omar EL-AGHA, Inci G Gokmen, "Smoking habits and cadmium intake in Turkey", Biological Trace Element Research, Vol. 88, No. 1, Jul. 2002, pp. 31-43
68	Omar EL-AGHA, Gudral Tuncel and Suat Tusun , "Air Quality of the Black Sea Region: Local and Long Range Transported Pollutants ", Eurasian ChemTech Journal, 273-279, Dec. 2001
69	R. Sinem Atgin, Omar EL-AGHA, Abdullah Zararsiz, Ahmet Kocatas, Hatice Parlak, Gurdal Tuncel, "Investigation of the sediments of Izmir Bay: trace elements", Spectra Chemica Acta B, 1151-1164., Jul. 2000

Scientific Research Papers Presented to Refereed Specialized Scientific Conferences

#	Name of Investigator(s), Research Title, Conference and Publication Date
	Omer Aga, Academic values from global perspective, Values in Saudi Academic Community Forum, IAU, Dammam, 06 December, 2021.
	Ömer AĞA, Ismail Anil and Ibrahim Algaman, Indoor Air Quality Monitoring System, "SGPD 2021 Environmental & Health Virtual Forum", Thursday, November 25, 2021,
	Ömer AĞA, Ismail Anil and Ibrahim Algaman, BUILDING LOW-COST INDOOR AIR QUALITY MONITORING SYSTEM, Saudi Aramco Ras Tanura Refinery Environmental Technical Exchange Forum.



	08 December, 2021 .
1	Omer Aga, Workshop entitled "Environmental Performance Index towards Sustainability" organized by UTHM University Malaysia. 18 June 2020, Malaysia.
2	Omer Aga, certificate of completion course: "let's break the chain of Covid-19 infection", Part of Community immunity ambassador program, Mohammad bin Rashed university of medicine and health sciences, 27 April 2020.
3	C Yaman, A Ismail, O Aga, AB Yaman, A Qureshi; Bioremediation of toluene by bioaugmentation, biostimulation and natural attenuation; E3S Web of Conferences 280
4	CMAS Webinar: Challenges in using the SMOKE-CMAQ modeling system in South America", Jul 8, 2020 01:30 PM Eastern Time, Presenters: Professor Taciana Toledo de Almeida Albuquerque and Rizzieri Pedruzzi, Department of Sanitary and Environmental Engineering - Federal University of Minas Gerais, UFMG, Brazil.
5	"2020 HYSPLIT Workshop" A four-day HYSPLIT workshop will be given online from June 22 to 25, 2020 . NOAA Air Resources Laboratory, NCWPC, R/ARL, 5830 University Research Court, College Park, MD 20740-3818. https://www.ready.noaa.gov/register/HYSPLIT_hyagenda.php
6	Panelist, Omer AGA, Global Air Quality Trends during CoVid-19 & How to Maintain Good Air, The TIMES POLICY, India, THURSDAY 23rd April, 2020 . (online video conference)
7	Workshop on Society and environment, 15 January 2020 , Green Campus initiative, East Province Council for Social Responsibility.
8	Omar AGA, beach well as pre-treatment for swcc-ro desalination facility in eastern province of saudi arabia, Sixth International Conference on Water, Energy and Environment (ICWEE2019), AUS, Sharjah, UAE.
9	Saudi Symposium on Crisis and Disaster management, 19 March 2019 , Imam Abdulrahman bin Faisal university, Main Campus, Main Conference hall.
10	Awarded " Accredited Reviewed Certificate " for external program evaluator, Saudi qualification framework workshop "SAQF", Dammam, KSA, 21/10/2018.
11	Omer AGA, course learning outcomes student outcomes, CLOSO, software, College of Engineering, Bld. 500 room 506, held on Thursday 24 December 2015, Dammam, KSA
12	"Dissolved Air Flotation for treatment of oily waste water: The use of Sawdust in coagulation process" Habis ALZoubi, Omer AGA, Internal Environmental Campaign, "Ras Tanura Refinery Water Governance" May, 27th, 2015, KSA
13	Bottled Water Quality Assessment in KSA: Experimental Case Study By, Al-Zahrani, F. S. A. , Albaqshi, H. A. A. , Alhelal, G. A. M. , Badawi, I. A. , Aga, O.O. and Abdel-Magid, I. M, Poster. Water Arabia, 17 to 19 February, 2015, Le Meridien Khobar, Saudi Arabia
14	Omer AGA, Investment In Solid Waste Management In Eastern Province: Challenges And Solutions, Chamber of commerce, Eastern province, April 2016 , Dammam, KSA
15	Omer AGA, First Scientific Forum in the Recycling of Municipal Solid Waste, November 2014, Dammam, KSA
16	Omer Aga, , Investigating Waste to Energy Potential in the Eastern Region, Saudi Arabia, The 2nd International Conference on Renewable Energy for Developing Countries, Beirut, November, 2014.
17	Omer AGA "Dissolved Air Flotation System as Pretreatment and Protection from Membrane-Fouling in Desalination Plants" The Joint GCC-Japan Environment Symposium International Conferences, KFUPM, 2014
18	Omer AGA, World water day 2015: water and sustainable development symposium, organized by the Environmental Engineering Department of the College of Engineering University of Dammam, held at Le Meridian hotel, AlKhobar, KSA on Monday 16th March 2015-25 Jumada I, 1436 H (
19	Nuhu Muazu, Nabeel Jarrah , Omer Aga, Mohammed Hussain Essa "Optimization of Production of Sludge Based Activated Carbon for Sustainable Water Pollution Control", Paper no. EC2016-1570244483, Third International Conference on Environmental Design and Innovation, Zaytoonah Engineering Conference: Environmental 2016, Amman, 15-18 May, Jordan



20	Omer AGA, and Ismail ANIL, "Sources, Fate, and Behavior of Polycyclic Aromatic Hydrocarbons (PAHs) in the Atmosphere: A case study in Istanbul, Turkey" PetroEnvironment 2016, 22 February 2016, Alkobar, KSA (Oral Presentation).
21	Abdullah Bahamdan, Nawaf Al-Ahmed, Majed Al-Otibi, Supervisor: Assoc Prof Dr. Ömer AĞA, Co-supervisor: Assoc Prof Dr. Nabeel Jarrah, "Assessment of wastewater & Sludge treatment technology for reuse in Dhahran", (Poster), PetroEnvironment 2016, 22 February 2016, Alkobar, KSA.
22	Omer AGA, lecture about course learning outcomes student outcomes, CLOSO, software, College of Engineering, Bld. 500 room 506, held on Thursday 24 December 2015, Dammam, KSA (Presenter)
23	Omer AGA, Invited Speaker and Head of Session, Waste separation and Recycling in the Eastern Province of Saudi Arabia, First Scientific Forum in the Recycling of Municipal Solid Waste, 23-25 November 2014, Jeddah, KSA
24	Omer AGA, Omar K.M. Ouda and Syed A. Raza, "Investigating Waste to Energy Potential in the Eastern Region, Saudi Arabia", International Conference on Renewable Energies for Developing countries, Beirut, 26-27th November 2014.
25	Omer AGA, Invited Speaker, Challenges For Air Quality Management: PM10 & Ozone, 4th Waste Management Forum, 11 - 12 November 2013, Habtoor Grand Beach Resort & Spa - Dubai, United Arab Emirates
26	Omer AGA, Invited Speaker, "Solid Waste Management: Waste to Energy scenarios in KSA", Kuwait Waste Management Conference & Exhibition, 22-23, January, 2013, Kuwait.
27	Omar ALGHA, "Proceeding book", INGAS 07 , Apr. 2007
28	Ali Demerci, Michael A. Mcadams, Omar ALAGHA, Mehmet KARAKUYU, "proceeding book", 4th GIS days in Türkiye , Sep. 2006 , pp. 1
29	Michael A. McAdams, Ferhat Karaca, Omar Alagha,, "AQM2005 proceeding book", 3rd International Symposium on Air Quality Management at Urban, Regional and Global Scales , Sep. 2005
30	F. Karaca, F. Erturk, O. Alagha, Y. Z. Yilmaz and T. Ozkara, , "AQM2005 proceeding book", 3rd International Symposium on Air Quality Management at Urban, Regional and Global Scales , Sep. 2005
31	Michael A. McAdams, Ferhat Karaca, Omar Alagha, , "" , Sep. 2005
32	Alexander Nikov, Ferhat Karaca, Omar Alagha, Atakan Kurt, Hüseyin Hakkoymaz, , "AQM2005 proceeding book", 3rd International Symposium on Air Quality Management at Urban, Regional and Global Scales , Sep. 2005
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60	Ferhat Karaca , Omar Alagha, " 1st PUBLIC PERCEPTION OF AIR POLLUTION IN ISTANBUL ", International Conference on Air Pollution and Combustion CAPAC, Ankara, Turkey, Jun. 2005,
61	Bertan Başak, Omar Alagha, " Büyükçekmece Gölü Üzerindeki Hava Kalitesinin, Yağmur Suyu ve Kuru Çökeltme Örneklerinin Kimyasal Analizi ile İzlenmesi", XVI.ULUSAL KIMYA KONGRESİ, Selçuk Üniversitesi, Konya, Turkey, Sep. 2001,



Research Projects

#	Name of Investigator(s) (Supported by)	Research Title	Report Date
1	PI: MU'AZU, NUHU DALHAT Co-Investigators AGA, Omer Blaisi, Nawaf Haladu, Shamsuddeen	Development and testing of scale and corrosion green inhibitors from natural extracts of sumac, pumpkin and clove oil for potential industrial applications, DSR Application Number : 2020-112-Eng	2020
2	PI Cevik, Emre Co-Investigators, AGA, Omer, Anil, Ismail, Bozkurt, Ayhan, Sabit, Hussein	Direct electricity production by harvesting solar energy; Fabrication of novel high efficiency photo-anodes assembled photo-bioelectrochemical fuel cells Application Number : 2020-030-IRMC	2020
3	Principal Investigator Bozkurt, Ayhan Co-Investigators: AGA, Omer; Anil, Ismail; Cevik, Emre	The production of novel Hydrophobic/hydrophilic redox-active sulfonated solid/gel polymers as cost-effective electrolytes for flexible supercapacitor and lithium-sulfur battery Application Number : 2020-177-IRMC	2020
4	PI Cevat Yaman, Col Omer Aga, Ismail Anil, Emre Cevik	Laboratory Scale In-Situ Petroleum Hydrocarbon Bioremediation by using Geotextile filter, Bacteria and Nutrients, DSR 2019-037-Eng	2019
5	PI: Ismail Anil, Col omer AGA, Emre Cevik	Construction of Novel Photo-Bioelectrochemical fuel Cells for Electricity Production by Harvesting Light Energy, DSR 2019-382-Eng	2019
6	Ömer AĞA, Principal investigator, Ismail Anil,	"Pilot Scale Bio-filter: Control Odor and Green House Gases from Landfill Gas Emissions; budget 200000 SAR. DSR supported project:	2018 ,
7	Ömer AĞA, Co- investigator,	Air Quality and Polycyclic Aromatic Hydrocarbons over Dammam Atmosphere: Quantification, Source Apportionment, Transport Modeling, and Health Risk Assessment, DSR supported project:	2017
8	Ömer AĞA, Co- investigator,	Comprehensive Assessment of Personal Care Products and Endocrine Disruptors in the Arabian Gulf Water in Eastern Province of KSA, DSR supported project:	2016
9	Ömer AĞA, Co- investigator and Bozkurt, Ayhan , Ismail ANil	EcoSoil: Novel materials to hold and conserve water in arid and semi-arid climate.	2018
10	PI Omer AGA, Co-PI Nabeel Jarrah,	Development of innovative sustainable tools for infrastructure planning and efficient management of urban wastewater systems in the Kingdom of Saudi Arabia", NSTIP-KACST, 1950000 SAR	2014-2016
11	PI, Nabeel Jarrah Co-PI; Omer AGA,	Production of Granular Activated Carbon from Sludge for Utilization in Phenolic Water Treatment: a Life Cycle Assessment Approach, 1,850,000 SAR.	2013-2015,



12	PI Omer AGA, Co-PI Nuhu Muaz	Pre-treatment of sea water for desalination plants”, IAU Strategic Project no 2010190, KSA, Amount: 1,000,000 SAR	, 2012-2014,
13	PI Nuhu Muaz Co-PI; Omer AGA,	Pulsed-Current Electrokinetic Remediation of Groundwater Contaminated with Heavy Metals” IAU KSA,, project #2012158.	2013-2015
14	PI Habis Alzubi Co-PI; Omer AGA,	Optimization of Dissolved Air Flotation Technology for Treatment of Oily Waste Water, IAU,	2013-2015
15	PI Ismail ANIL, CoPI Omer AGA	(SPME) of Poly aromatic hydrocarbons PAH from rain water samples collected by modified sequential rain sampler”, Üniversite Araştırma Proje Fonu, TURKEY.	2010-2011
16	PI, Nabeel Jarrah; CoPI Omer AGA,	Ö # Production and characterization of activated carbon (AC) from waste tires using factorial design of experiments..	2012-2013
17	PI Omer AGA, CoPI Abdulhakeem Alomari, Nabeel Jarrah	Medical waste management in the Eastern Province, KFUH case study in ALKHOBAR	2010-2013
18	PI Omer AGA, CoPI Abdulrahman HARIRI	PM10 and Air Quality in the Eastern Region: Origin, Long Range Transport and potential impact	2010-2011
19	PI Omer AGA, CoPI Amro Owais	Optimization of Ventilation Regimes and Indoor Air Quality in Surgical Operating Rooms at KFU Hospital, 2012.	2010-2012
20	PI Abdullah Alrubaish, CoPI Omer AGA	Development and valuation of Web based evaluation questionnaire, University of Dammam-KSA, Jan 2010-Jun 2011, investigator , Amount: 95000 SAR	2010-2011
21	PI Omer AGA, CoPI Ferhat Karaca	“Evaluation of indoor air quality on the historical and cultural objects stored in Dolmabahçe Palace, risk assessment and pollution control strategies”, TUBITAK, Amount: 240000 TL	2010-2012
22	PI Omer AGA, CoPI Ferhat Karaca	Investigation of Airborne Biological Pollutants in Indoor Environment, Üniversite Araştırma Proje Fonu, Jul 2009-Jul 2010, Ana Yönetici Amount: 14800	2009-2010
23	PI Omer AGA CoPI Ferhat Karaca	Investigation of the traffic related inhalable PM10”, İBB (Istanbul Metropolitan Municipality), Apr 2008-Feb 2009, Investigator, Amount: 7500 \$	2008-2009
24	PI Omer AGA, CoPI Ferhat Karaca	“Investigation of Local And Long-Range Transportation Effects on Chemical Composition of Rain Samples Collected by Sequential Rain Sampler and The Adverse Effects on The Environment” , The Scientific and Technology research Council of Turkey (TUBITAK) ÇAYDAG 108Y062 : Amount: 120 000\$	2008-2010
25	PI Serpil KARAKAS, CoPI Omer AGA	Source apportionment of PM2.5 and PM10 particulates, measurement of ozone concentrations and relate with particulate concentrations and possible effects to forests”; ÇAYDAG 108Y089, TUBITAK, Amount: 200 000 \$	2008-2010



26	PI Ferhat KARACA, CoPI Omer AGA	“Developing ozone monitoring sampler according EU 8-hour standards using passive sampler”. University projects fund,: Amount: 6250\$	2009-2010
27	PI Ferhat KARACA, CoPI Omer AGA	Inspection of summer-time ozone map in Istanbul using passive sampler and its health impacts”. University projects fund, Amount: 10000\$,	2008-2010
28	PI, Omer AGA CoPI Ferhat KARACA	PM2.5 sources in urban area and relation with traffic count and meteorology parameters” , Istanbul Metropolitan Municipality., Amount: 10000 \$	2007-2008
19	PI, Omer AGA	Waste water treatment plant automation”, University Project Fund, Amount: 21 000 \$	2007-2008
30	PI Ismail ANIL, CoPI Omer AGA	Investigation of traffic related inhalable particulate matter in Istanbul”, University Project Fund, Amount: 7000 \$	2006-2008
31	PI, Omer AGA	The Effects of Land Use Changes on Water Quality of Küçükçekmece Lake Watershed by Using GIS and Remote Sensing”, University Project Fund, Amount: 1.750 Euro	2005-2006
32	CoPI Omer AGA	“Zonguldak city inhalable particulate matter PM2.5 Investigation”, The Scientific and Technology research Council of Turkey (TUBITAK)., Amount: 24 000 EURO PROJE NO. 104Y022	2004-2006
33	PI Sami Goren CoPI Omer AGA	Chemstab soil stabilizer environmental and structural effect”s, :Tatlici Inssat ve Ticaret A S Principal Investigator : Amount: 750 EURO	2003-2004
34	PI Ali Demerci, CoPI Omer AGA	The Evaluation of Air Quality over Büyükçekmece Lake-Istanbul”, 16University projects fund - 01/12/2001-Dec 2004, Principal Investigator: Amount: 2000	2001-2003

Book Publication

1. Omer Aga and Mohammad Saleem, Safety handbook, Printed by University Press Dammam , KSA, (English and Arabic) 2018.
2. Omer Aga and Mohammad Saleem, Safety and security policy , Printed by University Press Dammam , KSA, (English and Arabic) 2018
3. Abdel-Magid, I.M. and Omer Aga, College of Engineering Bulletin, First Edition, Imam Abdulrahman Bin Faisal University, Printed by University Press Dammam, KSA, (English and Arabic) 2018.
4. Abdel-Magid, I.M. and Omer Aga, College of Engineering Student Handbook, First Edition, Imam Abdulrahman Bin Faisal University, Printed by University Press Dammam, KSA, (English and Arabic) 2018.
5. Omer aga, Environmeal chemistry lab manual, Printed by University Press, Dammam, KSA, 2010.

Membership of Scientific and Professional Societies and Organizations:

- AHWA, Arab Health Water Association
- TEMA, The Turkish Foundation for Competing Erosion, ARAMCO, KSA
- AWMA, Air & Waste Management Association



- SAWEA, ARAMCO, KSA

Teaching Activities

#	Course name	Level
1	Environmental Law & Regulation	BSc
2	Advanced Solid Waste Management	BSc
3	Senior Design Project	BSc
4	Environmental Impact Assessment	BSc
5	Air pollution	BSc
6	Air Pollution and control	BSc
7	Marine pollution and control	BSc and MSc
8	Thermodynamics	BSc
9	Unit operations	BSc
10	Future sustainable development	MSc
11	Advanced Air Quality Engineering	MSc
12	Water quality	BSc
13	Solid & Hazardous Waste Management	BSc

Supervision of Master and/or PhD Thesis

#	Degree Type	Title	Institution	Date
1	Bertan Başak, MSc	"The Evaluation of Air Quality over Büyük Çekmece Lake-Istanbul: Rainwater Pollutants Analysis	Fatih University,	2001
2	İsmail ANIL; MSc	PM2.5 Traffic related air pollution	Fatih University,	2006
3	Nihan Uygur; ; MSc	"Sequential rain sampler design and rain chemistry evaluation in Büyük Çekmece Lake-Istanbul	Fatih University,	2008
4	Esra Tatlı; MSc	Indoor Air Quality Assessment: Biological, Gases and Particulate Matter Pollution Indicators	Fatih University,	2009
5	İsmail ANIL; PhD	quantify trace level polycyclic aromatic hydrocarbons and heavy metals in rain water"	Fatih University,	2014
6	Ahmed Allazim , MSc	Pilot scale optimization of biological nitrogen removal from domestic wastewater from selected communities in eastern province	KFUPM, Civil engineering department, College of Engineering,	2018