



Mohammad Saood Manzar

Position |: **Lecturer**

Personal Data

Nationality | Indian

Department | Environmental Engineering

Official IAU Email | msmanzar@iau.edu.sa

Phone No. | +966556860314

Language Proficiency

Language	Read	Write	Speak
Arabic	Medium	Medium	Beginner
English	Good	Good	Good
Urdu	Good	Good	Good
Hindi	Good	Good	Good

Academic Qualifications (Beginning with the most recent)

Date	Academic Degree	Place of Issue	Address
Nov. 2010	M.Tech (Environmental Engineering.)	India	Aligarh, U.P., India
May 2008	B.Tech (Mechanical Engineering.)	India	Aligarh, U.P., India

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

Master	Master MTech in Environmental Engineering with (75.08 %) Distinction (Gold Medalist)
---------------	--

Fellowship | GATE Qualified 2008, India

Professional Record: (Beginning with the most recent)

Job Rank	Place and Address of Work		Date
Lecturer	IAU, Dammam	KSA	Feb 2014
Assistant Professor	SRM University	India	August 2011- Sept 2013
Lecturer	Alfalah University	India	June 2010 (7 months)

Published Refereed Scientific Researches
(In Chronological Order Beginning with the Most Recent)

Scientific Achievements

#	Name of Investigator(s)	Research Title	Publisher and year of Publication
1	Mohd Younus Wani, N. A. Ganie, D. M. Wani, Ab Waheed Wani, S. Q. Dar, Afzal Husain Khan, Nadeem A Khan, Mohammad Saood Manzar, Mohammad Hadi Dehghani	The phenolic components extracted from mulberry fruits as bioactive compounds against cancer: A review	Phytotherapy research, 2023
2	Mukarram Zubair, Mohammad Saood Manzar, Mohammed Awwal Suleiman, Daniel Pinto Fernandes, LucasMeili, Waad Al BinEssa, HawraAl-Adam, Jwahr M.AlGhamdi, Nuhu DalhatMu'azu, Shamsuddeen A.Haladu, GulraizKhan	Production of magnetic biochar-steel dust composites for enhanced phosphate adsorption	Journal of Water Process Engineering, 2022
3	Mohammad Saood Manzar, Tauqir Ahmad, Nisar Ullah, Padmanaban Velayudhaperumal Chellam, Juliana John, Mukarram Zubair, Rodolfo J Brandão, Lucas Meili, Omar Alagha, Emre Çevik	Comparative adsorption of Eriochrome Black T and Tetracycline by NaOH-modified steel dust: Kinetic and process modeling	Separation and Purification Technology, 2022
4	Muhammad Nasir, Muhammad Arif Aziz, Mukarram Zubair, Noman Ashraf, Tag Nasreldin Hussein, Moath Khalid Allubli, Mohammad Saood Manzar, WalidAl-Kutti, MamdouhA. Al-Harhi	Engineered cellulose nanocrystals-based cement mortar from office paper waste: Flow, strength, microstructure, and thermal properties	Journal of Building Engineering, 2022
5	Mohammad Saood Manzar, Mohammed Benaafi, Romulus Costache, Omar Alagha, Nuhu Dalhat Mu'azu, Mukarram Zubair, Jazuli Abdullahi, SI Abba	New generation neurocomputing learning coupled with a hybrid neuro-fuzzy model for quantifying water quality index variable: A case study from Saudi Arabia	Ecological Informatics, 2022

6	Muhammad Nasir, Muhammad Arif Aziz, Mukarram Zubair, Mohammad Saood Manzar, Noman Ashraf, Nuhu DalhatMu'azu, Mamdouh A.Al-Harathi	Recent review on synthesis, evaluation, and SWOT analysis of nanostructured cellulose in construction applications	Journal of Building Engineering, 2021
7	Mohammad Saood Manzar, Shamsuddeen A.Haladu, Mukarram Zubair, Nuhu DalhatMu'azu, AleemQureshi, Nawaf I.Blaisi, Thomas F.Garrison, Othman Charles S.Al Hamouz	Synthesis and characterization of a series of cross-linked polyamines for removal of Erichrome Black T from aqueous solution	Chinese Journal of Chemical Engineering, 2021
8	Mohammad Saood Manzar, Gulraiz Khan, Pollyanna Vanessa dos Santos Lins, Mukarram Zubair, Saif Ullah Khan, Rangabhashiyam Selvasembian, Lucas Meili, Nawaf I Blaisi, Muhammad Nawaz, Hamidi Abdul Aziz, TS Kayed	RSM-CCD optimization approach for the adsorptive removal of Eriochrome Black T from aqueous system using steel slag-based adsorbent: Characterization, Isotherm, Kinetic modeling and thermodynamic analysis	Journal of Molecular Liquids, 2021
9	Muhammad Mansha , Izzat Wajih Kazi , Mohammad Saood Manzar , Tauqir Ahmed , Abdul Waheed , Nisar Ullah & Nawaf I. Blaisi	Ultrahigh removal of methyl orange, acid blue-92 and malachite green by a novel triazine-based polyamine resin: synthesis, isotherm and kinetic studies	International Journal of Environmental Analytical Chemistry, 2020
10	Mukarram Zubair , Rebecca Ferrari , Omar Alagha, , Nuhu Dalhat Mu'azu , Nawaf I. Blaisi , Ijlal Shahrukh Ateeq and Mohammad Saood Manzar	Microwave Foaming of Materials: An Emerging Field	Polymers, 2020
11	Mohammad Saood Manzar , Mukarram Zubair , Nadeem A. Khan , Afzal Husain Khan , Umair Baig , Muhammad Arif Aziz , Nawaf I. Blaisi & Hisham I. M. Abdel-Magid	Adsorption behaviour of green coffee residues for decolourization of hazardous congo red and eriochrome black T dyes from aqueous solutions	International Journal of Environmental Analytical Chemistry, 2020
12	AbdulWaheed, Izzat WajihKazi, Mohammad SaoodManzar, TauqirAhmad, Muhammad Mansha, NisarUllah, Nawaf Isam Ahmed Blaisi	Ultrahigh and efficient removal of Methyl orange, Eriochrom Black T and Acid Blue 92 by triazine based cross-linked polyamine resin: Synthesis, isotherm and kinetic studies	Colloids and Surfaces A: Physicochemical and Engineering Aspects,2020

13	Nuhu Dalhat Mu'azu, Nabeel Jarrah, Mukarram Zubair, Mohammad Saood Manzar, Taye Saheed Kazeem, Aleem Qureshi, Shamsuddeen A. Haladu, Nawaf I. Blaisi, Mohammad H. Essa, Mamdouh A. Al-Harhi	Mechanistic aspects of MgAlNi barium-ferrite nanocomposites enhanced adsorptive removal of an anionic dye from aqueous phase	Journal of Saudi Chemical Society,2020
14	Omar Alagha , Mohammad Saood Manzar , Mukarram Zubair , Ismail Anil , Nuhu Dalhat Mu'azu and Aleem Qureshi	Magnetic Mg-Fe/LDH Intercalated Activated Carbon Composites for Nitrate and Phosphate Removal from Wastewater: Insight into Behavior and Mechanisms	Nanomaterials,2020
15	Mukarram Zubaira , Mohammad Saood Manzara , Nuhu Dalhat Mu'azua , Ismail Anila , Nawaf I. Blaisia , Mamdouh A. Al-Harhib,c	Functionalized MgAl-layered hydroxide intercalated date-palm biochar for Enhanced Uptake of Cationic dye: Kinetics, isotherm and thermodynamic studies	Applied Clay Science,2020
16	Khalid H. A. Elkhider, Ihsanullah Ihsanullah, Mukarram Zubair, Mohammad Saood Manzar, Nuhu Dalhat Mu'azu & Mamdouh A. Al-Harhi	Synthesis, Characterization and Dye Adsorption Performance of Strontium Ferrite decorated Bentonite-CoNiAl Magnetic Composite	Arabian Journal for Science and Engineering,2020
17	Mohammad Saood Manzar, Shamsuddeen A. Haladu, Mukarram Zubair, Nuhu Dalhat Mu'azu, Aleem Qureshi, Nawaf I. Blaisi, Thomas F. Garrison, Othman Charles S. Al Hamou	Synthesis and characterization of a series of cross-linked polyamines for removal of Erichrome Black T from aqueous solution	Chinese Journal of Chemical Engineering,2020
18	Omar Alagha , Mohammad Saood Manzar, Mukarram Zubair , Ismail Anil , Nuhu Dalhat Mu'azu and Aleem Qureshi	Comparative Adsorptive Removal of Phosphate and Nitrate from Wastewater Using Biochar-MgAl LDH Nanocomposites: Coexisting Anions Effect and Mechanistic Studies	Nanomaterials,2020
19	Habis Al-Zoubi, Mukarram Zubair, Mohammad Saood Manzar, Abdullah	Comparative Adsorption of Anionic Dyes (Eriochrome black T and Congo Red) onto Jojoba	Arabian Journal for Science and Engineering,2020

	A. Manda, Nawaf I. Blaisi, Aleem Qureshi & Abdelaziz Matani	Residues: Isotherm, Kinetics and Thermodynamic Studies	
20	Mohammad Saood Manzar, Abdul Waheed, Izzat W Kazi, Nawaf I Blaisi, Nisar Ullah	Synthesis of a novel epibromohydrin modified crosslinked polyamine resin for highly efficient removal of methyl orange and eriochrome black T	Journal of the Taiwan Institute of Chemical Engineers,2019
21	Ismail Anil,Omar Alagha, Nawaf I.Blaisi , Iehab Mohamed, Mohammad Bargouthi, Mohammad Saood Mazar	Source Identification of Episodic Rain Pollutants by New Approach: Combining Satellite Observation and Backward Air Mass Trajectories	Aerosol and Air Quality Research,2019
22	Nuhu Dalhat Mu'azu, Nabeel Jarrah, Mukarram Zubair, Mohammad Saood Manzar, Taye Saheed Kazeem & Mamdouh Al-Harhi	Evaluation of novel Mg/Al/Ni-BaFe ternary layered hydroxides uptake of methyl orange dye from water	Korean Journal of Chemical Engineering, 2019
23	Mukarram Zubair, Nabeel Jarrah, Arsalan Ihsanullah,Khalid, Taye Saheed Manzar, Mohammad Saood,Kazeem, Mamdouh A Al-Harhi	Starch-NiFe-layered double hydroxide composites: Efficient removal of methyl orange from aqueous phase	Journal of Molecular Liquids.2018
24	NI Blaisi, M Zubair, S Ali, TS Kazeem, MS Manzar, W Al-Kutti, MA Al Harhi	Date palm ash-MgAl-layered double hydroxide composite: sustainable adsorbent for effective removal of methyl orange and eriochrome black-T from aqueous phase	Environmental Science and Pollution Research,2018
25	Mukarram Zubair,Nabeel Jarrah, Mohammad SaoodManzar, Mamdouh Al-Harhi, Muhammad Daud, Nuhu DalhatMu'azu, ShamsuddeenA Haladu	Adsorption of eriochromeblack T from aqueous phaseon MgAl-, CoAl-and NiFe-calcined layered doublehydroxides:Kinetic ,equilibrium	Journal of Molecular Liquids, 2017

		andthermodynamic studies	
26	Mukarram Zubair, Nabeel Jarrah, Mamdouh A Al-Harhi, Mohammad Saood Manzar and Nuhu Dalhat Mu'azu	Highly efficientremoval of Pb (II) ionfrom aqueous phaseusing surface modified graphene. Equilibrium and kinetic study.	Desalination andWater Treatment 80174-183.April 2017
27	Professor Issam Abdel Magid, Md SaoodManzar	Port Wastewater Quality:King Abdul-Aziz DammamPort Case Study	International Journalof Innovative Research in Science,Engineering andTechnology (An ISO3297: 2007 CertifiedOrganization)V ol.5,Issue)7, July 2016)

Scientific Research Papers Presented to Refereed Specialized Scientific Conferences

#	Name of Investigator(s)	Research Title	Conference and Publication Date
1	Md Alauddin, Md Saood Manzar	Co2 capture and sequestration and brine management	Environmental Conference organized by A.M.U in collaboration with Ohio, Toledo, University, U.S.A.
2	Dr Gazala Habib, Md Saood Manzar	Atmospheric Aerosol in Delhi Region and Source Apportionment	American Association for Aerosol Research, 29th Annual conference, Portland, Oregon, USA, October 25-29, 2010.
3	Dr Gazala Habib, Md Saood Manzar	Seasonal Variation in Chemical Composition of Background Aerosol in the Delhi Region	Advances in Environmental monitoring and Modeling (Proceedings of the Seventeenth National Symposium on Environment at IIT Kanpur) – NSC-17 May 13-15
4	Md Saood Manzar, Salman Naqi	Estimation and Modeling of discrepancies in Data transfer on a C.N.C lathe environment	Proceedings of the National Conference on Advancements in Mechanical Engineering at AFSET (Dhauj, Faridabad) -- May 2011.



5	Md Saood Manzar, Abdul Azadi	Comprehensive Study of R.A.C	Proceedings of the National Conference on Advancements in Mechanical Engineering at AFSET (Dhauj, Faridabad) – May 2011.
---	------------------------------	------------------------------	--

Current Researches

#	Research Title	Name of Investigator(s)
1	Development and testing of scale and corrosion green inhibitors from natural extracts of sumac, pumpkin and clove oil for potential industrial applications	Dr Nuhu, Dr Omer Agha, Dr Nawaf Blaisi, Dr Shamsuddeen Haladu, Mukarram Zubair, Md Saood Manzar, Muhammad Nasir
2	Process optimization of cellulose nanocrystals from office paper waste and its utilization as renewable additive for strong green concrete	Mukarram Zubair, Dr Walid Al-Kutti, Dr Nawaf Blaisi, Dr Nuhu Dalhat Muazu, Muhammad Nasir, Noman Ashraf, Arif Aziz, Md Saood Manzar
3	Synthesis of Novel Cross-Linked Ionic Polymer/Layered Double Hydroxide (LDH) Composites For Antibiotics Removal From Water	Dr Jwahr Alghamdi, Dr Shamsuddin Haladu, Dr Nuhu Dalhat, Mukarram Zubair, Mohammad Saood Manzar
4	Synthesis and manufacturing of sustainable polymeric nanocomposite membranes for the production of ultra-pure water for haemodialysis	Dr Nuhu Dalhat, Mukarram Zubair, Dr Cevik Emre, Mohammad Saood Manzar

Contribution to Scientific Conferences and Symposia

#	Conference Title	Place and Date of the Conference	Extent of Contribution
1	Environmental Conference organized by A.M.U in collaboration with Ohio, Toledo, University, U.S.A.	Aligarh Muslim University, Aligarh, 2008	Poster Paper Presentation



2	Water Quality at new campus in Imam Abdurrahman Bin Faisal University	Proceedings of the Petro Environment, 9 th symposium on Environmental Progress in the Petroleum & Petrochemical Industry 19-21 Feb. 2019.	Poster Paper Presentation
3	A study to determine the effect of HAND HYGIENE Among Engineering Students in Imam Abdurrahman Bin Faisal University	Proceedings of the Petro Environment, 9 th symposium on Environmental Progress in the Petroleum & Petrochemical Industry 19-21 Feb. 2019.	Poster Paper Presentation
4	American Association for Aerosol Research, 29th Annual conference, Portland, Oregon, USA, October 25-29, 2010.	Oregon, USA, October 25-29, 2010.	Paper Presentation
5	Advances in Environmental monitoring and Modeling (Proceedings of the Seventeenth National Symposium on Environment	IIT Kanpur –NSC-17 May 13-15	Paper Presentation

Teaching Activities

Undergraduate

#	Course/Rotation Title	No./Code	Extent of Contribution (no. of lectures/Tutorials. Or labs, Clinics)
1	Environmental Engineer 1	Not Applicable(India)	60 lectures /20 tutorials
2	Environmental Engineer 2	Not Applicable(India)	50 lectures /30 tutorials

3	Fluid Mechanics	Not Applicable(India)	60 lectures/20 tutorials
4	Environmental Engineering Lab	Not Applicable(India)	10 labs / 4 tutorials
5	Mechanical Vibrations	Not Applicable(India)	40 lectures/24 tutorials
6	Mechatronics	Not Applicable(India)	40 lectures /24 tutorials
7	Mechatronics lab	Not Applicable(India)	7 labs / 3 tutorials
8	Environmental Chemistry Lab	ENVEN 311	9 Labs
9	Unit Process 2 Lab	ENVEN 432	8 Labs
10	Waste Water 2 Lab	ENVEN 531	8 Labs
11	Waste Water 1 Lab	ENVEN 422	6 Labs
12	Senior Design Project I, II	ENVEN 521/522	40% percent

Brief Description of Undergraduate Courses Taught: (Course Title – Code: Description)

1	Environmental Engineer 1: Principles of Environmental Engineering, Water Quality & types of sewage , sewerage design etc.
2	Environmental Engineer 2: wastewater treatment plants and systems, primary, secondary and tertiary treatment & industrial wastewater treatment etc.
3	Fluid Mechanics: Fluid Statics, Bernoulli equation, Viscous flows, exact solutions, pipe flow etc.
4	Environmental Engineering Lab: Heavy metals determination – Chromium, Lead and Zinc, Determination of suspended, volatile, fixed and settleable solids in wastewater etc.
5	Environmental Chemistry Lab: Ph, Conductivity, Hardness of water, BOD, COD, Determination of phosphates in water etc.
6	Unit Processes 2 (Activated Sludge Processes, Zeta Potential and AOP Processes, Filtration plant etc.).
7	Waste Water 2 (Automated filtration, Reverse Osmosis and Anaerobic Reactors etc.
8	Water Supply (Water and health. Water sources for municipal supply. Source selection. Water use and forecasting frameworks for water distribution. Types of water distribution systems and their design. pumps and systems etc. internal distribution of water..)

Course Coordination

#	Course Title and Code	Coordination	Co-coordination	Undergrad	Postgrad.	From	to
1	Environmental Engineer 1	Teaching & Framing of Questions for Exams		Only for Undergraduates		Aug.2011	Dec2011
2	Environmental Engineer 2	Teaching & Framing of Questions for Exams		Only for Undergraduates		Jan 2012	May 2012
3	Water Supply	Teaching & Framing of Questions for Exams		Only for Undergraduates		Jan.2022	June2022
4	Sanitary Engineering	Teaching & Framing of Questions for Exams, Quizzes		Only for Undergraduates		September 2022	December 2022

Student Academic Supervision and Mentoring

#	Level	Number of Students	From	to
1	Undergraduate	6	Dec. 2014	June 2014
2	Undergraduate	13	Dec. 2015	June 2016
3	Undergraduate	18	Sep.2017	Dec. 2017
4	Undergraduate	17	Jan. 2018	May 2018
5	Undergraduate	18	Sep. 2018	Dec.2018

Administrative Responsibilities, Committee and Community Service (Beginning with the most recent)

Administrative Responsibilities

#	From	To	Position	Organization
1	August 2022	Till present	Safety representative	IAU
2	Sep. 2017	Present	Deptt Representative in website management committee	Imam Abdurrehman Bin Faisal University
3	Sep. 2017	Present	Member in Academic Affairs Committee	Imam Abdurrehman Bin Faisal University
4	Sep. 2017	Present	Member in Quality & ABET Comittee	Imam Abdurrehman Bin Faisal University

5	Aug. 2010	Dec. 2010	Class Co-ordinator	SRM University, India
6	Jan.2011	May 2011	Class In Charge	SRM University, India

Committee Membership

#	From	To	Position	Organization
1	2018	2020	Member	Imam Abdurehman Bin Faisal University (Community Service Committee)
2	2017	2018	Member	Imam Abdurehman Bin Faisal University (Academic Committee)
3	2017	2018	Member	Imam Abdurehman Bin Faisal University (website committee)
4	Aug. 2010	Dec. 2010	Class In charge	SRM University, India
5	Jan 2011	May 2011	Class Incharge	SRM University, India
6	2014	2015	Member	University of Dammam (Quality Unit)

Volunteer Work

#	From	To	Type of Volunteer	Organization
1	Aug2011	Sep2011	Event Co-Ordinator	SRM University, India
2	Oct 2012	Nov2012	Event Manager	SRM University, India

Personal Key Competencies and Skills: (Computer, Information technology, technical, etc.)

1	Advance MS Excel
2	SAS
3	Basic knowledge of autocad

Last Update

27/01/2023