	Title	Title of Journal, Volume, Issue, Page nos., Years	Authors	Impact Factor
1.	Highly efficient adsorptive removal of uranyl ions by a novel graphene oxide reduced by adenosine 5'-monophosphate (RGO-AMP)	Journal of Material chemistry A, 7, 2, 664-678, 2019	R. K. Dutta, **Mohd Azfar Shaida**, Kirti Singla, Dipika Das	11.3
2.	Alternate use of sulphur rich coals as solar photo-fenton agent for degradation of toxic azo dyes	Journal of Cleaner Production, 195, 1003-1014, 2018	**Mohd Azfar Shaida**, A K Sen, R K Dutta	7.2
3.	Removal of diethyl phthalate via adsorption on mineral rich waste coal modified with chitosan	Journal of Molecular Liquids, 261, 271-282, 2018	**Mohd Azfar Shaida**, R K Dutta, A K Sen	5.0
4.	Energy generation through bioelectrochemical degradation of pentachlorophenol in microbial fuel cell	RSC advances, 8, 37, 20726- 20736, 2018	N Khan, MD Khan, AS Nizami, M Rehan, **A Shaida**, A Ahmad, MZ Khan	3.3
5.	Colorimetric method for the detection of melamine using in-situ formed silver nanoparticles via tannic acid	Spectrochimica Acta Part A: Molecular and Biomolecular Spectroscopy 183, 17-22, 2017	MF Alam, AA Laskar, S Ahmed, **MA Shaida**, H Younus	2.09
6.	A Short Screening Study On Water of Indian Rivers and Lakes	Journal of Indian water resources society, 33, 28-33, 2013	AA Kazmi, A Bhatia, **A Shaida**, M Sharma, M Starkl, RC Trivedi	1.6

CV of Dr Azfar Shaida

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RESEARCH INTERESTS

- Water/Wastewater treatment and reuse
- Adsorption of water pollutants (organic dyes, phthalates and uranium).
- Solar photo-Fenton degradation of pollutants in water.
- Instruments handle ICP-OES/MS, GC-MS, HPLC, UV-VIS, ZETA ANALYZER

EDUCATION

2018	**Ph.D.** **Department of Chemistry** **Indian Institute of Technology Roorkee, India** *Thesis: - Studies on Adsorption and Solar-photo Fenton processes by mineral and sulphur rich coals.* *Supervisor: - Prof. R. K. Dutta*
2010	**M.Sc Industrial Chemistry** **Aligarh Muslim University, Aligarh, India** *Percentage :- 74.9%*
2008	**B.Sc Industrial Chemistry** **Aligarh Muslim University, Aligarh, India** *Percentage :- 74.5%*

PROFESSIONAL HISTORY

Period	Position	Job Contents
Sep 2020-	Senior Project Associate/State Coordinator in CSIR-NEERI	• Supervision and performing complete drinking water analysis including Fluoride and Arsenic.
Feb 2020 – May 2020	Visting Faculty in Community College, AMU	• Taken classes of undergraduate and postgraduate levels for the course entitled analytical techniques and research methodology.
April 2019- July 2019	*Research Associate.* Department of Civil Engineering , Indian Institute of Technology Roorkee, India	• Project :- The Research for wastewater treatment for Technology from Kuraray PVA gel. • Sample collection and complete wastewater analysis and report preparation.

Aug 2011 - Dec 2012	*Junior research fellow.* Department of Civil Engineering , Indian Institute of Technology Roorkee, India	• Project :- Development of effective decentralized sewage treatment system for rural communities • Field data collection, wastewater analysis, and presentation of outcomes.

AWARDS/HONORS

1. Qualified in national level Gratitude Test of Engineering (GATE) in Chemistry discipline, conducted by MHRD in 2011.
2. Travel grant by IIT Roorkee alumni fund for presentation in 6th International Chemistry Conference in King Saud University, Riyadh, 2016.
3. M.Sc Industrial Chemistry-A.M.U, Selected in the top 25 candidates
4. B.Sc Industrial Chemistry-A.M.U, Selected in the top 30 candidates

PUBLICATIONS

Journal papers

- R. K. Dutta, Md. **Azfar Shaida**, Kirti Singla, Dipika Das. "Highly efficient adsorptive removal of uranyl ions by a novel graphene oxide reduced by adenosine 5/- monophosphate (RGO-AMP)". *Journal of Materials Chemistry A*, 7, 2019, 664-678.**(I.F 11.3)**
- **Mohd Azfar Shaida**, A. K. Sen, R. K. Dutta. "Alternate use of sulphur rich coal as solar photo-Fenton agent for degradation of toxic azo dyes". *Journal of Cleaner Production*, 195, (2018), 1003-1014. **(I.F 7.2)**
- **Mohd Azfar Shaida**, R. K. Dutta, A. K. Sen. "Removal of diethyl phthalates via adsorption on mineral rich waste coal modified with chitosan". *Journal of Molecular Liquids*, 261, (2018), 271-282. **(I.F 5.0)**
- Nishat Khan, M. Danish Khan, Abdull-Sattar Nizami, Mohammad Rehan, **Azfar Shaida**, Anees Ahmad, Zain Khan. "Energy generation through bioelectrochemical degradation of pentachlorophenol in microbial fuel cell". *RSC Advances*, 8, (2018), 20726-20736. **(I.F 3.3)**
- A. Kazmi, Akansha Bhatia, **Azfar Shaida**, Meena Sharma, Markus Starkl, R. C. Trivedi. "A Short Screening Study on Water Quality of Indian Rivers and Lakes". *Journal of Indian Water Resources Society*, 33, (2013). **(I.F 1.6)**

Conference attended/oral presentations/Proceedings

- **Mohd Azfar**, Rubia Zahid Gaur, S. Shakeel Afsar, Anwar Ali Khan, Abid Ali Khan, BasileiosDiamantis, Beni Lew, A. A. Kazmi. "Determination of active biomass in activated sludge of different STPs in India". *Proceedings of the 13th IWA specialized conference on small water and wastewater systems (SWWS)*. Athens, Greece, 14-17 September 2016.
- **M. A. Shaida**, R. K. Dutta, A. K. Sen, S. S. Ram, M. Sudarshan. "EDXRF analysis of coal, shale and sandstone from bore holes of Jharia and Ranchi coal field". *Proceedings of the 12th DAE-BRNS national symposium on nuclear and radiochemistry*. BARC, Mumbai, 2015, 311-312.
- **Mohd Azfar Shaida, R K Dutta.** "*Shedding light on utilization of Indian coal in the removal of toxic dyes from aqueous medium: a realistic approach*". 6th international chemistry conference. King Saud University, Riyadh, Saudia Arabia, 8-10 October 2016.
- National Conference on "Advances in Petroleum Refining & PetrochemicalTechnologies" organized by Dept of Petroleum Studies, Zakir Hussain College of Engineering & technology, AMU-March 21, 2009.

REFERENCES

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