

Curriculum Vitae

Name : **ABID ALI KHAN**
Designation : Asstt Professor
Office Address : Department of Civil Engineering, Jamia Millia Islamia (Central University), New Delhi, India - 110025
Contact No. : +91-9650191192(Cell)
Email ID : dee.abid@gmail.com; akhan23@jmi.ac.in

EDUCATION

Degree	Subject	University	Grade	Duration
PhD	Civil (Environmental Engg)	IIT Roorkee (India)	Awaded	01-01-2007 to 04- 08-2012
<i>Thesis - Post Treatment of UASB Effluent: Aeration and Variant of ASP</i> Advisors: Prof. A.A.KAZMI, Prof. Indu MEHROTRA, Dr Beni Lew				
M.Engg.	Civil (Env. & Water Res.Engg)	AMU Aligarh (India)	First	01-07-1997 to 12-12-1998
<i>Thesis - Sewage Treatment by Anaerobic Hybrid Reactor</i> Advisors: Dr. I.H. Farooqui and Dr. A.A.Siddiqui				
B. Engg.	Civil Engg.	AMU Aligarh (India)	First	01-07-1991 to 30-07-1995
<i>Project – Sewerage Treatment Scheme for Talanagri at Aligarh with UASB process for its Treatment</i>				

Total Experience (Yrs.): *Industrial* : *2 years & 7 Months*
 Teaching : *13 years approx.and continue-*

WORK EXPERIENCE

Teaching & Research:

Presently working as an Asstt Professor in Department of Civil Engineering, Jamia Millia Islamia (A Central University), New Delhi since July 18, 2014 – Continue

Previous Positions

- **Assistant Professor** - Department of Civil Engineering, NIT Kurukshetra (India) during 2012 “Environmental Studies” course offered for undergraduate students.
- **Teaching Assistant** – Delivered courses (Environmental Studies and Engineering Graphics) to first year students at IIT Roorkee, India during 2009 – 2011.
- **Lecturer** - Debub Univ. Awassa, MoE, Ethiopia. 2004- 2006. “Domestic Wastewater Treatment and Hydraulics” course
- **Guest Faculty/ Lecturer** – University Polytechnic, AMU Aligarh 1998 – 2003. “Hydraulics and Public Health Engineering”

Research:

- **Visiting Scientist** – Technion- Israel Institute of Technology, Haifa, Israel during 2015 -2016

Industrial:

Senior Wastewater Specialist - Royal Haskoning DHV -BV (Worlds leading water and wastewater consultancy organization) from 13-03- 2012 to 17-07-2014

- Worked on Aerobic Granular Biomass Technology (NEREDA)
- Upgradation of UASB system
- Promotion of NEREDA Technology in India, Presentations to Stake holders, Municipal Commissioners and Managers of different PSU, Govt. undertakings
- Design of NEREDA, SBR, UASB and ASP based STPs

- Reviewing of Detailed Project Reports (DPR), City Sanitation Plan's (CSP), Tender documents and Pre and Post BID Documents – Various Projects Funded by ADB
- Design of Water Supply, Urban Drainage and Sewerage System for conversion of 8th Berth as a Container Terminal at Tuticorin Port, Tamil Nadu India
- Design of Urban Drainage and Sewerage System for conversion of a Container Yard at Jafrabad terminal, Gujrat, India
- Feasibility Study of Stormwater Management and Linking of Lakes of Raipur, Chhattisgarh, India – A project funded by GIZ.
- Worked on ADP project on Modernization of Sewerage Treatment Plants in Patna zone
- Involved in the preparation of the solid waste management plan of Chennai

PROFESSIONAL AFFILIATION

- Member, International Water Association (IWA)
- Member, American Society of Civil Engineers (ASCE)
- Member, Water Environment Federation (WEF)
- Member, Institution of Engineers of India (IEI)
- Member, Management Committee of the [IWA Specialist Group on Wastewater in Anaerobic Digestion](#)

RESEARCH OUTPUTS

Publications : Total – 76

Scopus & ISI cited articles	:	33
Cumulative Impact Factor	:	66.832
Total Citations (Scopus)	:	798
h- Index (Scopus)	:	15
i10- Index	:	23
Maximum citation of a paper	:	197

Workshop/ Seminar – Attended and assisted in organizing - 22

RESEARCH PUBLICATIONS

Paper Published in International Peered Reviewed Journals (43)

Journal Title	No. of Paper Published	Impact Factor
Renewable and Sustainable Energy Reviews	1	15.00
Chemical Engineering Journal (Elsevier USA)	2	13.355
Resources, Conservation and Recycling (Elsevier USA)	1	10.244
Bioresource Technology (Elsevier USA)	1	9.669
Journal of Cleaner Production (Elsevier)	1	9.395
Desalination (Elsevier USA)	1	9.035
Energy (Elsevier)	1	10.537
Chemosphere (Elsevier)	2	9.108
Biosystems Engg. (Elsevier)	1	7.983
Environmental Technology and Innovation (Elsevier)	3	8.800
J. of Env. Health Sci. & Engg. (Springer)	1	4.773
Bioprocess and Biosystem Engineering (Springer USA)	2	3.371
Environ. Monit. and Assess. (Springer Netherlands)	1	5.959
Journal of Environmental Engg. (ASCE USA)	2	2.657
Environmental Processes (Springer)	1	3.650
Reviews on Environmental Health (De Gruyter)	1	3.616
Separation Science and Technology (Taylor & Francis USA)	1	1.354
Desalination & Water Treatment (Taylor & Francis USA)	4	1.234
Hydrology: Current Research (OMICS, USA)	2	2.782
Water Practice and Technology (IWA)	1	2.510
J. of Biosystems Engg. (Springer)	1	3.600
Journal of Environmental Chem. Engg (Elsevier)	2	6.700

National Publications (2)

Journal of Environmental Science & Engineering (India)	2	2.900
The Indian Journal of Environmental Health (India)	1	2.879

**4 papers are under review in different peer reviewed journals*

BOOKS/ BOOK CHAPTERS/ MANUAL PUBLISHED

BOOKS

Book Title: Post Treatments of Anaerobic Effluents – Editors – V.K.Tyagi, **Abid Ali Khan**, Ng WunJern, Anwar Khursheed, A.A.Kazmi. Publication - IWA Publishing UK. EISBN: 9781780409740

BOOK CHAPTERS

- Rubia Zahid Gaur, Magray Owaes, Tinku Casper D'silva, Mohd. Najibul Hasan, Pravin Kumar Mutiyar, **Abid Ali Khan**, Vinay Kumar Tyagi (2019). Micro-aerobic technologies for UASB effluent polishing: An overview. Book Titled Post Treatments of Anaerobic Effluents. IWA Publishing UK. Page No. EISBN: 9781780409740; https://doi.org/10.2166/9781780409740_0057
- **Abid Ali Khan**, Rubia Zahid Gaur, A.A.Kazmi, Beni Lew (2013). Sustainable Post Treatment of Anaerobic Effluents: A chapter published in a book titled - Biodegradation. ISBN: 980-953-307-968-9; publisher – InTech Publishing Corporation, Croatia; doi: 10.5772/56097

MANUAL

- Operation and Maintenance of UASB reactor – a Chapter contributed to a Text Book on Operation and Maintenance of Sewerage Works edited by Dr. A.A.Kazmi. Publisher *National River Conservation Directorate (NRCD), Ministry of Environment and Forest, Govt. of India* in co-operation with *Japan International Cooperation Agency (JICA)*.
- Determination of DO, BOD, COD and TOC contributed to the training manual sponsored by *Central Pollution Control Board (CPCB), Govt. of India, 2009 published by IIT Roorkee*

RESEARCH INTEREST

- Post Treatment of Anaerobic Effluents
- Anammox and Aerobic Granulation for Mainstream Application
- Anaerobic Digestion and Enhanced Biogas Production

REVIEWER

- Bioresource Technology (Elsevier, USA)
- Resources, Conservation and Recycling (Elsevier, USA)
- Ecological Engineering (Elsevier, USA)
- Desalination and Water Treatment (Taylor & Francis, USA)
- Environmental Technology (Taylor and Francis, USA)
- Frontiers of Environmental Science and Engineering (Springer, China)
- Korean Journal of Civil Engineering (Springer, USA)
- African Journal of Microbiology Research (Springer, USA)
- Environment and Natural Resources Research (Canada)
- Water and Environment Journal (Wiley, USA)
- Waste management (Elsevier)
- Environmental Science and Pollution Research (Springer)
- International Journal of Energy Research (Wiley)
- Environmental Technology Innovations (Elsevier)
- Chemical Engineering Journal

COURSES TAUGHT

Environmental Chemistry and Microbiology; Experimental Design and Data Analysis, Urban Environment Utility Design for PG students
Environmental Engineering II, Water Resources Engineering, Hydraulics, Environmental Studies, Water Supply and Urban Drainage, Sewage Treatment and involved with Lab for UG and PG

ACADEMIC ACHIEVEMENTS/ AWARDS/ HONORS

1. Govt. of Japan's full financial support to attend the SEAWE 11th, conference at AIT Bangkok, Thailand during Nov. 2014
2. **Silver Medal** – Second Prize for master's thesis work – 29th All India Student Design Competition – National Student Design Forum, Institution of Engineers (India) – 1998
3. **MHRD Fellowship** – Govt. of India PhD fellowship at IIT Roorkee 2007 -2010
4. **C Eng (I)** honored by IE (I).
5. Biography has been included in 'Who's Who Emerging Leaders in the World, 2014 edition, (Marques, U.S.A.).

SPONSORED RESEARCH PROJECTS

S.No.	Topic	Year	Funding Agency	Approx. Project Cost (Rs.)
3.	UASB up-gradation and its post treatment by aerobic granular biomass system	2016	DST	3300000/-
2.	An energy efficient organics and nutrient removal from sewage by UASB - Anammox process: Anovel engineering paradigm for energy conservation	2016	SERB	4300000/-
1.	Development of decentralized treatment facility based on economic feasibility and sustainability – <i>An energy recovery and fertilizer production</i>	2016	UGC	600,000/-

Ph.DTHESIS SUPERVISED/ UNDER SUPERVISION

S.No.	Topic	Name of Student	Status of Ph.D	Registration/ Award Year
5	Aerobic Granulation for Anaerobic Effluent Treatment	Rayaz Paswal	Ongoing	2018
4	Micro-Aerobic UASB Process: Optimization of Operating Parameters for	Mahmood Ahmad	Ongoing	2018
3	Cultivation and Enrichment and its Application for Anaerobic Effluents	Mohd. Waqqas Mirza	Ongoing	2018
2	Biomethanation of Sugarcane Bagasse – Enhanced Biogas Generation	Neelam Vats	Completed	2014/2020
1	Nutrients Removal from Municipal Wastewater	Najibul Hasan	Completed	2014/ 2020

M.Tech THESIS SUPERVISED/ UNDER SUPERVISION

S. No.	Topic	Student Name	Status of M.Tech	Registration/ Award Year
16	Emission of Methane in Municipal Wastewater Treatment Plants of Different Technology	Farhan Ali Adam	Ongoing	2021
15	Effect of Sulfides and Heavy Metals on Anammox Growth	Ashraf Sheikh	Ongoing	2021
14	Optimization of Micro-Aeration for Up-gradation of UASB Reactors	Syed Samie Ullah	Ongoing	2021
13	High Solids Anaerobic Digestion of Lignocellulose Biomass	Tariq Ahmad Wani	Ongoing	2021
12	Emission of Hydrogen Sulfide in Minicipal Wastewater Treatment Plants of different Technology	Ajeem Akram	Ongoing	2021
11	Rapid accumulation if Nitrite for UASB effluent treatment	Mukesh Kumar Sharma	Ongoing	2021
10	Micro-Aerobic UASB Process: Optimization of Operating Design Parameter	Mehraj Rather	Ongoing	2020
9	Application of CFD for UASB's Performance Evaluation	Faizan Qadir	Ongoing	2020
8	Sludge Settling Behavior under Varied Operating Condition	Mushtaqim Ahmad	Awarded	2019
7	Fast Start-up of Partial Nitrification Process: Feasibility Study for Anammox Process	Ishteyaque Ahmed	Awarded	2019
6	Aerobic Granulation under Low and High Organic Loading	Magray Owaes	Awarded	2018
5	Assessment of Landfill Sites of Delhi Evaluation of Waste to Energy Potential	Shadab Nasim	Awarded	2018
4	Anaerobic Digestion of Food Waste for Enhanced Methane Generation	Faraz Ahmad	Awarded	2017

3	Nutrient Removal from Wastewater using Aquatic Weeds	Waquas Mirza	Awarded	2017
2	Optimization of Coagulant Dosages for Removal of Turbidity from Agra Canal Water	Sujit Kumar Tripathi	Awarded	2016
1	Assessment of Agra Canal Water Quality	Saddam Hussain	Awarded	2015

INVITED LECTURES/ PRESENTATION

- Delivered a lecture in AITCE – ATAL – FDP on Wastewater Treatment, Recycle and Reuse on September 07, 2021 organized by Department of Civil Engineering, NSUIT Delhi
- Delivered a lecture in a refresher course organized by UGC-HRD Center, AMU Aligarh on Environmental Studies on 09.09.2020
- Performance Status of STPs based on Anaerobic Treatment Processes – International Workshop on Water Quality and Health, organised by Department of Civil Engineering, Jamia Millia Islamia, New Delhi 2017
- NEREDA – A Sustainable approach for Sewage treatment. *Presented at AquaTech 2014 – International Water and Wastewater Exhibition at Pragati Maidan, ITFI, New Delhi, India May 5-8, 2014*
- C-Tech – A Promising Option for Sewage Treatment. *Presented at Cognizance 2011 at O.P.Jain Auditorium, IIT Roorkee; March 12, 2011.*
- Up-flow Anaerobic Sludge Blanket (UASB) and Sequencing Batch Reactor (SBR) system for Sewage Treatment and Reuse. *Petroleum Conservation and Research Association (PCRA), New Delhi (2008).*
- Coliforms Removal Efficiency of Sequencing Batch Reactor Activated Sludge Process. *Presented at UCOST, Dehradun, Uttarakhand (2009).*

LIST OF PUBLICATIONS

(A) Publication with peer reviewed journals

2021

42. Tinku Casper D'Silva, Adya Isha, Ram Chandra, Virendra Kumar Vijay, Paruchuri Mohan V Subbarao, Ritunesh Kumar, Ved Prakash Chaudhary, Harjit Singh, Abid Ali Khan, Vinay Kumar Tyagi, Kornél L Kovács (2021) Enhancing methane production in anaerobic digestion through hydrogen assisted pathways—A state-of-the-art review ***Renewable and Sustainable Energy Reviews*** 2021.111536 **Impact Factor: 14.98**
41. Satya Brat Tiwari, Monika Dubey, Banafsha Ahmed, Pallavi Gahlot, **Abid Ali Khan**, Ankur Rajpal, AA Kazmi, Vinay Kumar Tyagi (2021) Carbon-based conductive materials facilitated anaerobic co-digestion of agro waste under thermophilic conditions ***Waste Management*** **Impact Factor: 1.11**
40. Mohd Najibul Hasan, Mohd Musheer Altaf, Nadeem A Khan, Afzal Husain Khan, **Abid Ali Khan**, Sirajuddin Ahmed, P Senthil Kumar, Mu Naushad, Anushka Upamali Rajapaksha, Jibran Iqbal, Vineet Tirth, Saiful Islam (2021) Recent technologies for nutrient removal and recovery from wastewaters: ***Chemosphere*** 130328 **Impact Factor: 7.086**
39. Vinay Kumar Tyagi, Akansha Bhatia, Kengo Kubota, Ankur Rajpal, Banafsha Ahmed, **Abid Ali Khan**, AA Kazmi, Manish Kumar Microbial community dynamics in anaerobic digesters treating organic fraction of municipal solid waste (2021) ***Environmental Technology & Innovation*** 101303 **Impact factor: 3.35**
38. Mohd W Mirza, Tinku C D'Silva, Khalid M Gani, Syed S Afsar, Rubia Z Gaur, Pravin K Mutiyar, **Abid A Khan**, Vasileios Diamantis, Beni Lew, (2021) Cultivation of anaerobic ammonium oxidizing bacteria (AnAOB) using different sewage sludge inoculums: process performance and microbial community analysis ***Journal of Chemical Technology and Biotechnology*** jctb.6560 **Impact Factor: 2.85**

2020

37. Anwar Khursheed, Shamshad Alam, Vinay Kumar Tyagi, Ajay S Nagpure, **Abid Ali Khan**, Rubia Z Gaur, Sanyogita Singh, Prosun Bhattacharya, Santanu Mukherjee, Manish Kumar (2020) Future liasing of the lockdown during COVID-19 pandemic: The dawn is expected at hand from the darkest hour ***Groundwater for sustainable development*** ..100433 **Impact Factor: 5.2**
36. B Ahmed, VK Tyagi, **AA Khan**, AA Kazmi (2020) Optimization of process parameters for enhanced biogas yield from anaerobic co-digestion of OFMSW and bio-solids Biomass Conversion and Biorefinery ***Biomass Conversion and Biorefinery*** 3399-020-00919-3 **Impact Factor: 3.48**
35. Neelam Vats, **Abid Ali Khan**, Kafeel Ahmad (2020). Options for enhanced anaerobic digestion of waste and biomass—a review ***Biosystems Engineering*** 1-15 **Impact Factor: 1.10**
34. Owaes, M., Gaur, R. Z., Hasan, M. N., Gani, K. M., Kumari, S., Bux, F., **Khan, A. A.**, & Kazmi, A. A. (2020). Performance assessment of aerobic granulation for the post treatment of anaerobic effluents. ***Environmental Technology & Innovation***, 17, 100588. **Impact factor: 2.800**
33. Vats, N., **Khan, A. A.**, & Ahmad, K. (2020). Options for Enhanced Anaerobic Digestion of Waste and Biomass—a Review. ***Journal of Biosystems Engineering***, 1-15. **Impact factor: Nil**

2019

32. Vats, N., **Khan, A. A.**, & Ahmad, K. (2019). Effect of substrate ratio on biogas yield for anaerobic co-digestion of fruit vegetable waste & sugarcane bagasse. *Environmental technology & innovation*, 13, 331-339. **Impact factor: 2.800**
31. Hasan, M. N., **Khan, A. A.**, Ahmad, S., & Lew, B. (2019). Anaerobic and aerobic sewage treatment plants in Northern India: Two years intensive evaluation and perspectives. *Environmental Technology & Innovation*, 15, 100396. **Impact factor: 2.800**
30. Vats, N., **Khan, A. A.**, & Ahmad, K. (2019). Anaerobic co-digestion of thermal pre-treated sugarcane bagasse using poultry waste. *Journal of Environmental Chemical Engineering*, 7(5), 103323. **Impact factor: Nil**
29. Vats, N., **Khan, A. A.**, & Ahmad, K. (2019). Observation of biogas production by sugarcane bagasse and food waste in different composition combinations. *Energy*, 185, 1100-1105. **Impact factor: 5.537**

2018

28. Khursheed, A., Gaur, R. Z., Sharma, M. K., Tyagi, V. K., **Khan, A. A.**, & Kazmi, A. A. (2018). Dependence of enhanced biological nitrogen removal on carbon to nitrogen and rbCOD to sbCOD ratios during sewage treatment in sequencing batch reactor. *Journal of Cleaner Production*, 171, 1244-1254. **Impact factor: 6.397**

2017

27. Gaur, R. Z., **Khan, A. A.**, Suthar, S. 2017. Effect of thermal pre-treatment on co-digestion of duckweed (Lemnagibba) and waste activated sludge on biogas production. *Chemosphere*, 174, 754-763, (Elsevier, USA), **Impact factor: 5.108**
26. Gaur, R. Z., **Khan, A. A.**, Lew, B., Diamantis, V., Kazmi, A. A. 2017. Performance of Full-Scale UASB Reactors Treating Low or Medium Strength Municipal Wastewater. *Environmental Processes*, 4(1), 137-146. (Springer, Japan), **Impact Factor: 1.650**
25. Khursheed, A., Tyagi, V. K., Gaur, R. Z., Sharma, M. K., **Khan, A. A.**, Kazmi, A. A. 2017. Reduced sludge growth at high bulk liquor dissolved oxygen induced by increased secondary cell maintenance. *Chemosphere*, 184, 636-641 (Elsevier, USA), **Impact factor: 5.108**

2016

24. **Khan, A. A.**, Yudachev, Vladimir & Lew, Beni, 2016. Feasibility of phosphate precipitation from digested anaerobic sludge in a continuous aerated reactor. *Desalination and Water Treatment*; DOI: 10.1080/19443994.2016.1140085; pp 1-6; **Impact factor: 1.234**
23. **Khan, A. A.**, Gaur, R. Z., Mehrotra, I., Kazmi, A. A., Lew, B. 2016. Removal of Reduced Species from the Effluent of UASB Reactor Treating Domestic Wastewater. *Journal of Environmental Engineering*, 142(11), 04016060. (ASCE, USA) **Impact factor: 1.657**
22. Khursheed, A., Tyagi, V. K., **Khan, A. A.**, Bhatia, A., Gaur, R. Z., Ali, M., Sharma, M., Kazmi, A. A., Lo, S. L. 2016. Operation and maintenance of sewerage systems: present challenges and possible solutions—an Indian experience. *Desalination and Water Treatment*, 57(7), 2887-2902. (Taylor & Francis, USA), **Impact factor: 1.234**

2015

21. **Khan, A. A.**, Ahmad, Mahmood, Giesen, Andreas 2015. Nereda- an emerging technology for sewage treatment. *Water Practice and Technology*, Vol. 10, No. 4, pp 799-808, **Impact factor: 0.510**
20. Khursheed, A., Sharma, M. K., Tyagi, V. K., **Khan, A. A.**, Kazmi, A. A., 2015. Specific oxygen uptake rate gradient – Another possible cause of excess sludge reduction in oxic-settling-anaerobic (OSA) process. *Chemical Engineering Journal*, Volume 281, Pages 613-622; **Impact factor: 8.355**
19. **Khan A. A.**, Indu Mehrotra, A. A. Kazmi (2015). Sludge profiling at varied organic loadings and performance evaluation of UASB reactor treating sewage. *Biosystems Engg.* Vol. 131; pp 32-40; **Impact factor: 2.983**

2014

18. **Khan, A. A.**, Gaur, R. Z., Mehrotra, I., Diamantis, V., Lew, B., Kazmi, A. A. 2014. Performance assessment of different STPs based on UASB followed by aerobic post treatment systems. *Journal of Environmental Health Science and Engineering*, 12(1), 43. (Springer, Japan), **Impact factor: 2.773**
17. **Khan, A. A.** and Ahmad, Mahmood (2014). Integration of Stormwater Drains with Lakes: Expectations and Reality – A Case of Raipur, India. *Hydrology: Current Research*; 5:166; <http://dx.doi.org/10.4172/2157-7587.1000166>; **Impact factor: 0.782**

2013

16. **Khan, A. A.**, Gaur, R. Z., Diamantis, V., Lew, B., Mehrotra, I., Kazmi, A. A. 2013. Continuous fill intermittent decant type sequencing batch reactor application to upgrade the UASB treated sewage. *Bioprocess and Biosystems Engineering*, 36(5), 627-634. (Springer, Japan) **Impact factor: 2.371**
15. Tyagi, V. K., Bhatia, A., Gaur, R. Z., **Khan, A. A.** Ali, M., Khursheed, A., Kazmi, A. A., Lo, S. L. 2013. Impairment in water quality of Ganges river and consequential health risks on account of mass ritualistic

bathing. *Desalination and Water Treatment*, 10-12), 2121- 2129(Taylor & Francis, USA), **Impact factor: 1.234**

14. Diamantis, V., **Khan, A.A.**, Ntougias, S., Stamatelatou, K., Kapagiannidis, A. G., Aivasidis, A., 2013. Continuous biohydrogen production from fruit wastewater at low pH conditions. *Bioprocess and Biosystems Engineering*, Volume 36, Issue 7, pp 965–974; **Impact factor: 2.371**
13. Sudhir, P., Gaur, R. Z., **Khan, A. A.**, Kazmi, A. A., Mehrotra, I. 2013. Submerged aerated bio-filter (SAB)--a post treatment option for UASB effluent treating sewage. *Journal of Environmental Science Engineering*, 55(3), 359-370.

2012

12. Beni Lew, **Khan, A.A.**, Rubia Zahid Gaur, A.A.Kazmi, Indu Mehrotra, 2012. UASB-ASP - Full scale UASB followed by different aerobic post treatment system treating wastewater. *Hydrology: Current Research. Vo. 3, issue 4, pp 92*; **Impact factor: 0.782**
11. Tyagi V. K., Bhatia A., Gaur R. Z., **Khan A. A.**, Ali M., Khursheed A., Kazmi, A. A. 2012. Impairment in Water Quality of River Ganges and Consequential Health Risks on account of Mass Bathing during 2010 Maha Kumbh Festival in India. *Desalination and Water Treatment*; **Impact factor: 1.234**
10. Lew, B., Stief, P., Beliaevski, M., Ashkenazi, A., Svitlica, O., **Khan, A.A.**, Tarre, S., Beer, Dirk de, Green, M., 2012. Characterization of denitrifying granular sludge with and without the addition of external carbon source. *Bioresource Technology*. 124, 413-420. **Impact factor: 6.669**
9. Khursheed, A., Gaur, R. Z., Bhatia, A., **Khan, A. A.**, Tyagi, V. K., Kazmi, A. A. 2012. Role of volume exchange ratio and non-aeration time in spillage of nitrogen in continuously fed and intermittently decanted sequencing batch reactor. *Chemical Engineering Journal*, 191, 75-84.(Elsevier, USA), **Impact factor = 8.355**
8. Khan, A. A., **Gaur, R. Z.**, Tyagi, V. K., Lew, B., Diamantis, V., Kazmi, A. A., Mehrotra, I. (2012). Fecal coliform removal from the effluent of UASB reactor through diffused aeration. *Desalination and Water Treatment*, 39(1-3), 41-44.(Taylor & Francis, USA), **Impact factor = 1.272**
7. **Khan, A. A.**, Gaur, R. Z., Lew, B., Diamantis, V., Mehrotra, I., Kazmi, A. A. 2012. UASB/Flash aeration enable complete treatment of municipal wastewater for reuse. *Bioprocess and Biosystems Engineering*, 35(6), 907-913.(Springer, Japan) **Impact factor= 2.371**
6. Tyagi, V. K., Bhatia, A., Gaur, R. Z., **Khan, A. A.**, Ali, M., Khursheed, A., Kazmi, A. A. 2012. Effects of multi-metal toxicity on the performance of sewage treatment system during the festival of colors (Holi) in India. *Environmental Monitoring and Assessment*, 184(12), 7517-7529.(Springer, Japan). **Impact Factor = 1.951**

2011

5. **Khan, A. A.**, Gaur, R. Z., Tyagi, V. K., Khursheed, A., Lew, B., Mehrotra, I., Kazmi, A. A. 2011. Sustainable options of post treatment of UASB effluent treating sewage: a review. *Resources, Conservation and Recycling*, 55(12), 1232-1251.(Elsevier, USA), **Impact factor =7.044**
4. **Khan, A. A.**, Gaur, R. Z., Lew, B., Mehrotra, I., Kazmi, A. A. 2010. Effect of aeration on the quality of effluent from UASB reactor treating sewage. *Journal of Environmental Engineering*, 137 (6), 464-471. (ASCE, USA) **Impact factor = 1.657**

2010

3. Tyagi, V.K., **Khan, A. A.**, Kazmi, A. A., Chopra, A. K., 2010. Enhancement of Coagulation Flocculation Process using Anionic Polymer for the Post Treatment of UASB Reactor Effluent. *Separation Science and Technology*. Vol. 45; 626-634; **Impact Factor = 1.354**

2009

2. Tyagi, V. K., **Khan, A. A.**, Kazmi A.A., Mehrotra, Indu, Chopra, A.K. (2009). UASB Post Treatment by Slow sand filtration. *Desalination*, Vol.249 (2), 571-576; **Impact Factor = 6.035**

2003

1. **Abid Ali Khan**, Asif Ali Siddiqui and I.H.Farooqi (2003). Sewage Treatment by Anaerobic Hybrid Reactor. *The Indian Journal of Environmental Health*. Vol. 45, No.2, pp 97-100

7. Article in National Industrial Magazines

2012

- 1 **Abid Ali Khan**, Santosh Uppal, Anurag Somvanshi, Mahmood Ahmad, Andreas Giesen (2012). Aerobic Granular Biomass Technology – Nereda® - A Sustainable Wastewater Treatment Option. *Water Magazine, Special Issue on Wastewater Treatment Technologies – A Case Study*.

8. Presented and Published in Proceedings of International Conferences

2019

36. Ahmed, I., Mirza, M.W., D' Silva, T.C., Nazim, M., Ahsan, N., **Khan, A.A.** Options of Fast Start-up of Partial Nitrification: Integration of Anammox with Mainstream Treatment accepted for oral presentation at International Conference on Innovative Research in Agriculture, Engineering, Technology, Applied Sciences,

Humanities and Business Management for Sustainable Development (ETAHBS-2019), Pusa Institute of Technology, New Delhi, November 2019.

35. D' Silva, T.C, Mirza, M.W., Gaur, R.Z., Hasan, B., Mushir, A., **Khan, A.A.**, Lew, B., Diamantis, B. Enrichment and nutrient removal performance of ANAMMOX bacteria at mesophilic temperature range using different inocula accepted for poster presentation at 16th IWA World Conference on Anaerobic Digestion at Delft University of Technology, Delft, Netherlands, June 23rd to 27th, 2019.
34. **Khan, A.A.**, Hasan, M.N., Owaes, M., Gaur, R.Z., Afsar, S.S., Ahmad, S., Khursheed, A., Lew, B., Khan, A.A., Kazmi, A.A., Long-term performance stability and nutrient removal of aerobic granules treating UASB effluent accepted for poster presentation at 16th IWA World Conference on Anaerobic Digestion at Delft University of Technology, Delft, Netherlands, June 23rd to 27th, 2019.
33. Vats, N., **Khan, A.A.**, Ahmad, K. Effect of multiple inocula on co-digestion of poultry and garden waste with thermally pre-treated sugarcane bagasse accepted for poster presentation at 16th IWA World Conference on Anaerobic Digestion at Delft University of Technology, Delft, Netherlands, June 23rd to 27th, 2019.
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E Workshop/Seminar and Training Program

2014

14. Workshop on **UASB-DHS Integrated System-A sustainable sewage treatment technology** – organized by JICA and JST at New Delhi, India, October, 2014
13. Workshop on **NEREDA Technology** organized by DHV B.V. Netherlands at Amersfoort, Netherlands, Jan. 2014.

2012

12. Training program on NEREDA Technology – A sustainable wastewater treatment Concept: organized by DHV B.V. Netherlands at Cape Town South Africa, May 12- 18, 2012
11. Training program on NEREDA Technology – A sustainable wastewater treatment Concept: for NTPC, Noida, jointly organized by DHV and NTPC, August 28, 2012.
9. One day workshop on Benchmarking of STPs at Department of Civil Engineering, IIT Delhi, February, 10, 2012.

2010

9. Training Program on Operation and Maintenance of Sewerage Works: sponsored by JICA and MoEF and organized by Department of Civil Engineering, IIT Roorkee for Assistant Engineer and Executive Engineers, December 20-24, 2010.
11. Training Program on Operation and Maintenance of Sewerage Works: sponsored by JICA and MoEF and organized by Department of Civil Engineering, IIT Roorkee for Junior Engineer and Chemists, December 06-10, 2010.
7. Training Program on Operation and Maintenance of Sewerage Facilities and Sewage Treatment Plants sponsored by JICA & MOEF and organized by Department of Civil Engineering, IIT Roorkee, Feb. 01-05, 2010.

2009

6. Training program on Chemical Analysis of Water and Wastewater sponsored by Central Pollution Control Board, Delhi and organized by Department of Civil Engineering, Indian Institute of Technology Roorkee, December 06-08, 2009.

2008

12. Training program on Water and Wastewater Quality Analysis sponsored by Central Pollution Control Board, Delhi and organized by Department of Civil Engineering, Indian Institute of Technology Roorkee, July 14-16, 2008.

2007

4. Training program on Water Quality and its Management organized by National Institute of Hydrology Roorkee and Central Soil and Material Research Station, Ministry of Water Resources, New Delhi, sponsored by Department of Science & Technology (DST) at New Delhi, July 16-20, 2007.
3. Workshop UMANG 07- Rural Technologies organized by Department of Management Studies, IIT Roorkee, sponsored by Govt. of Uttarakhand, March 18, 2007.

2002

2. Workshop on Wind Effect on Buildings and Structures organized by Department of Civil Engg, AMU Aligarh and AICTE, Feb. 01-02, 2002.

2000

1. Short term training program on Recent Trends in Building Design and Concrete at AMU Aligarh organized by ISTE and sponsored by AICTE, Sep. 04-16, 2000.

Consultancy Project

- Working on various projects of Govt. of India under Namami Gange for the cleaning river Ganga and its tributaries
- Consultant for Public Health Engineering Department, Govt. of Haryana, for Performance Assessment and upgradation of STPs in Haryana state – India
- Consultant for UPJN and UKPJN

Technical Report

Extensively involved in preparation of research and consultancy project reports

- Environmental Impact Assessment of Multi Product Industrial Zone, Kashipur, SIDCUL, Dehradaun.
- Report on UASB-SBR System for Sewage Treatment & Reuse for PCRA funded project.
- Report on Performance Evaluation of Three STP's at Ludhiana based on UASB+Aeration+FPU system treating Sewage.

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