

Dr. Anwar Khursheed

B.Sc. Engg, M.Sc. Engg (AMU), PhD (IIT, Roorkee), MISTE

Professor of Environmental Engg.

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Specialisation

Environmental Engineering: Biological Wastewater Treatment Processes, Energy Recovery from Wastewater treatment, Nutrient Removal and Reverse Osmosis.

Academics

PhD: Simultaneous Removal of Carbon, Nutrient and Sludge in SBR – Indian Institute of Technology, IIT, Roorkee.

M.Tech. (Env. Engg.): A Study of Pilot Scale UASB Reactor for the Treatment of Cane Sugar Mill Waste, AMU, Aligarh.

B.Sc. Engg (Civil Engg.): With Advance Environmental Engineering, AMU, Aligarh.

Experience: Teaching, Research & Plant Design from October 28, 1983 onwards

Date of Birth: December 16, 1961

Awards/Appreciations

1. **Institution of Engineers award on published paper, IE (India) Journal-EN, 80, 1999.**
2. **Most Read Water Research Article, 45 (2011), 4287-4310.**
3. **Award of Excellence on Community Engagement for Zam's Hope, US Department of Homeland Security, Chicago October 26, 2017, USA.**

Books / Monographs: Four (04)

1. **Post Treatments of Anaerobically Treated Effluents – IWA Publication**
2. **Laboratory Procedures and Techniques for Environmental Engineers.**
3. **Manual on Basic Concepts of Anaerobic Wastewater Treatment.**
4. **Manual on Process Technology of Anaerobic Wastewater Treatment.**

No. of Research Papers/Books:

Sixty-three (66) (30 in Journals/Books + 20 in Conferences + 16 Other Articles)

Projects in Progress: Three

1. Evaluation and potential applications of bio-sorption process for the removal of heavy metals from aqueous waste streams - UGC
2. Batch mode and bench scale fixed bed column evaluation of toxic metals removal from dilute aqueous solutions by fly ash - UPCST
3. UASB up-gradation and its post treatment by Aerobic Granular Biomass system - DST

List of Publications

1. **Khursheed A**, Gaur RZ, Sharma MK, Tyagi VK, Khan AA, Kazmi AA, 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* (2018), Vol. 171, Pages 1244-1254. (**Impact Factor 5.6**)
2. **Anwar Khursheed**, Vinay K. Tyagi, Rubia. Z. Gaur, Meena Kumari Sharma, Abid Ali Khan, A.A. Kazmi. "Reduced sludge growth at high bulk liquor dissolved oxygen induced by increased secondary cell maintenance", *Chemosphere* 184 (2017), Pages 636 -641 (**Impact Factor 4.5**)
3. **Khursheed Anwar**, Sharma Meena, Tyagi V. K., Khan Abid Ali, Kazmi, Absar Ahmad. "Specific oxygen uptake rate gradient – Another possible cause of excess sludge reduction in oxic-settling-anaerobic (OSA) process", *Chemical Engineering Journal*, Volume 281, 1, 613–622, (2015). (**Impact Factor 6.2**)
4. **Khursheed Anwar**, Tyagi V. K., Khan Abid Ali, Bhatia Akanksha, Gaur Rubia Z, Ali Muntajir, Sharma Meena, Kazmi, Absar Ahmad. "Operation and maintenance of sewerage systems: present challenges and possible solutions- an Indian experience" *Desalination and Water Treatment*, DOI: 10.1080/19443994.2014.980326 (Taylor & Francis). (**Impact Factor 1.3**)
5. Muntjeer Ali, Nitin Kumar Singh, Akansha Bhatia, Shriom Singh, Anwar **Khursheed**, A. A. Kazmi (2014) "Sulphide Production Control in UASB Reactor by addition of Iron Salt", DOI: 10.1061/(ASCE)EE.1943-7870.0000911. © 2014 American Society of Civil Engineers ASCE's *Journal of Environmental Engineering*, (**Impact Factor 1.51**).
6. Sharma Meena, **Khursheed, A.**, Kazmi, A. A. (2014). "Modified septic tank-anaerobic filter unit as a two-stage onsite domestic wastewater treatment system" *Environmental Technology –* DOI:10.1080/09593330.2014.896950, 2014 (**Impact Factor 1.75**).
7. Tyagi V. K., Bhatia Akanksha, Gaur Rubia Zahid, Khan Abid Ali, Ali Muntajir, **Anwar Khursheed**, Kazmi, Absar Ahmad. "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* (Taylor & Francis). DOI 10.1080/19443994.2013.734677, 16 Nov 2012. (**Impact Factor 1.3**)
8. **Anwar Khursheed**, Rubia Z. Gaur, Akanksha Bhatia, Abid Ali Khan, Vinay Kumar Tyagi, A. A. Kazmi " 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* (Elsevier), 191 (2012) 75– 84. (**Impact Factor 6.2**)
9. M. Ali, K. S. Duba, A. S. Kalamdhad, A. Bhatia, **A. Khursheed**, A. A. Kazmi and N. Ahmed "High Rate Composting of Herbal Pharmaceutical Industry Solid Waste" *Water Sc. Technology* (IWA), 2012; 65(10):1817-25. doi: 10.2166/wst.2012.082. (**Impact Factor 1.5**)
10. Tyagi V K, Bhatia A, Gaur R Z, Ali M, Khan Abid A, Khan A, **Anwar Khursheed**, Kazmi A, Effects of multi-metal toxicity on the performance of sewage treatment system during the festival

- of colors (Holi) in India, Environ Monit Assess. (Springer Verlag) Volume 184, Issue 12, pp 7517-7529, December 2012, DOI 10.1007/s10661-012-2516-1. (**Impact Factor 2.0**)
11. **Anwar Khursheed**, A.A. Kazmi, Retrospective of Ecological Approaches to Excess Sludge Reduction, Water Research (Elsevier), 45, (15) (2011), 4287-4310. (**Impact Factor 7.7**)
 12. Abid Ali Khan, Rubia Zahid Gaur, V.K. Tyagi, **Anwar Khursheed**, Beni Lew, Indu Mehrotra, A.A. Kazmi, "Sustainable options of post treatment of UASB effluent treating sewage: A review", Resources, Conservation and Recycling (Elsevier), Vol 55, (12), 2011, 1232-1251. (**Impact Factor 3.3**)
 13. Tyagi V.K., Sahoo B.K., Kazmi A.A., Ahmad Z., **Khursheed A.**, Chopra A.K. "Fate of coliforms and pathogenic parasite in four full-scale sewage treatment systems in India, Environ Monit Assess, 181:123–135, 2011 (Springer Verlag) (**Impact Factor 2.0**)
 14. Ahmad Ashfaq, **Anwar Khursheed**, Sheetal Sharma, "Water Quality Assessment of Yamuna river for Irrigational purpose", International Journal of Environment, Ecology and Conservation, Vol. 17, (2), (2011), 199-203.
 15. Ahmad Ashfaq, **Anwar Khursheed**, Ashish Sharma, "Water Quality Assessment and Population prediction of Meerut City: A case study" International Journal of Pollution Research, Vol. 30, (1), (2011), 81-84.
 16. Aatika Sadia, Ahmad Ashfaq, Anwar **Khursheed**, "Pollution Control trends in Pulp and Paper Industry", Industrial pollution control, Vol 13 (3), (2010), 43-46.
 17. Ahmad Ashfaq, Aatika Sadia, Shazia Anis, **Anwar Khursheed**, "Environmental Waste Management: A case study of Refinery", International Journal of Industrial Pollution Control, Vol., 26 (1), (2010), 95-103.
 18. Aatika Sadia, Ahmad Ashfaq, **Anwar Khursheed**, "Performance Evaluation of an Effluent Treatment Plant in a large-scale Pulp and Paper Mill", Journal of the Institution of Public Health Engineers, Vol. 11 (1), (2010), 14-18.
 19. Khan A.A., Farooqi I.H., **Khursheed A.** "Performance Evaluation of Full Scale UASB Reactor for Sewage Treatment", IE (I) Journal-EN, Vol. 80, 1999.
 20. Isa M.H., Farooqi I.H., **Khursheed A.** "Anaerobic Treatability of Distillery Spent Wash", IE (I) Journal-EN, Vol. 80, 1999.
 21. Ilyas M., Isa M.H., Farooqi I.H., **Khursheed A.**, Siddiqi R.H. "Treatment of Distillery Spent Wash by Anaerobic Filter-A Water Conservation Approach", IJEH, Vol. 40, (2), 153-159, 1998.
 22. Siddiqui A.A., **Khursheed A.**, Farooqi I.H. and Siddiqi R.H. "Economics of Chromium Recovery from Spent Chrome Tan Liquor", IJEH, Vol. 40, No.2, 142-152, 1998.
 23. **Khursheed A.** and Farooqi I.H. "Design of Gas-Liquid-Solid Separator for UASB Reactors", Indian journal of Environmental health (IJEH), Vol. 40, No.3, 286-288, 1998.
 24. Farooqi I.H., **Khursheed A.**, Siddiqi R.H. "Characteristics of Granular Sludge Developed on Cane Sugar Mill Waste", IJEH, Vol. 40, No.1, 58-66, 1998.

25. **Khursheed A.**, Farooqi I.H., Siddiqi R.H. “Development of Granular Sludge on Cane Sugar Mill Waste using a Pilot Scale UASB Reactor”, IJEH, Vol. 39, No.4, 315-325, 1997.
26. Asrar M.T., **Khursheed A.**, Iliyas M., Siddiqi R.H. “Effect of Gas Pressure on Methanogenesis” Indian Chemical Engineering, Vol.34, No.2&3, April-Sept.1992.
27. **Anwar Khursheed**, Vinay Kumar Tyagi , Meena Kumari Sharma, Abid Ali Khan, A.A. Kazmi (2018). Enhanced Assimilative Phosphorus Uptake - Concurrent to Enhanced Nitrate Removal during Aerobic Treatment of Sewage in SBR. Elsevier Editorial System for Journal Chemosphere Manuscript under review CHEM-S-17-02970. (Under Review)

Conference Abstract/ Proceedings

1. **Anwar Khursheed**, ”Stoichiometric Model On Simultaneous EBPR And Sludge Reduction In OSA – SBR”, International Conference On Sustainable Solutions In Industrial Pollution, Water And Wastewater Treatment, (ISCAMU 2018), Nov. 10 & 11, 2018.
2. **Anwar Khursheed**, Vinay Kumar Tyagi, Meena Kumari Sharma, Rubia Z. Gaur, Abid Ali Khan, A.A. Kazmi, “Conflict Resolution of Enhanced Biological Phosphate Removal and Sludge Reduction in Oxic-Settling-Anaerobic (OSA) SBR”. Proceedings International Symposium on Sustainable Urban Environment (Issue 2017) Department of Environmental Science, Tezpur University, June 23-24, 2017.
3. Mohd. Najibul Hasan, Waqas Mirza, S. Shakil Afsar, Sirajuddin Ahmad, Anwar A. Khan, **Anwar Khursheed**, Abid Ali Khan. “Decentralized and low-cost system for nutrient removal from primary treated sewage by aquatic weeds”. Proceedings International Symposium on Sustainable Urban Environment (Issue 2017) Department of Environmental Science, Tezpur University, June 23-24, 2017.
4. Priya Chaudhary, Bushra Hasan, Rubia Z. Gaur, S. Suthar, Vinay Kumar Tyagi , Abid Ali Khan, **Anwar Khursheed**, A.A. Kazmi. “Operation and Maintenance of issues with full scale UASB reactors treating Sewage in India”. Proceedings International Symposium on Sustainable Urban Environment (Issue 2017) Department of Environmental Science, Tezpur University, June 23-24, 2017.
5. **Khursheed, A.**, Rubia, Z. Gaur, Sharma Meena, Tyagi, Vinay Kumar, Khan Abid A. Kazmi, Absar Ahmad (2016). Reduced Sludge Growth at High Bulk Liquor DO Induced by Increased Maintenance, Eight International Conference on Environmental Science and Technology, American Academy of Sciences, Houston, Texas, USA, June 6-10, 2016.
6. **Khursheed, A.**, Sharma Meena, Tyagi, Vinay Kumar, Kazmi, Absar Ahmad (2013). It is SOUR Gradient, which is responsible for Sludge Reduction in OSA Process. Ist International IWA Conference on Holistic Sludge Management, Vasteras, Sweden, 6-8 May, 2013.
7. Ahmad Ashfaq, Aatika Saadia and **Anwar Khursheed**, “Role of Biofuels in Global Energy and Climate Change Strategy”, Ist International Conference on “New Frontiers in Biofuels, DTU” ID: 2010/NFIB/008, January 18-19, 2010, New Delhi.

8. **Khurshed, A.**, Ahmed Ashfaq, Faisal Zia Siddiqi, A. A. Kazmi, (2012) Creation of Stoichiometric Benchmark for Sewage Treatment Process - A True Interface between Chemistry and Environment, Presented in International Conference on Interface between Chemistry and Environment (ICICE), DU, Delhi, Dec 13 – 14, 2012.
9. Sharma, Meena, **Khurshed, A.**, Kazmi, A. A. (2013). Evaluation of Maintenance Coefficient Induced by High Bulk Liquor DO for Onsite Excess Sludge Reduction. Poster in International Water Association Conference, New Delhi.
10. Khurshed, A., Sharma, Meena. Kazmi, A. A. (2012). Hydraulics and Performance Appraisal of Modified Septic Tank as An Alternative for The On-Site Wastewater Treatment System. Proceedings of International Congress of Environmental Research (ICER-2012), New Delhi.
11. Tyagi V. K., Bhatia Akanksha, Gaur Rubia Zahid, Khan Abid Ali, Ali Muntajir, **Anwar Khurshed**, Kazmi, Absar Ahmad. “Effect of Mass Bathing on Water Quality of River Ganges and Consequential Health Risks during 2010 *Maha Kumbh* Festival in India” Proceedings of Tenth International Symposium of South East Asian Water Environment, Vol. 10 (Part-I) November 8-10, 2012, National University of Civil Engineering, Hanoi, Vietnam.
12. **Khurshed A.**, Tyagi Vinay Kumar, Khan A.A., Gaur R.Z., Bhatia A., Ali M., Sharma M., Kazmi A.A, Lo S.L. (2011) Operation and Maintenance of Sewerage Systems: Present Challenges and Possible Alternatives- An Indian Experience. 8th International Conference on Urban Watershed Management. 6-8th September, 2011, Beijing, China, pp.41.
13. **Khurshed, A.**, Gaur, Rubia Zahid, Bhatia, Akanksha, Khan, Abid Ali, Tyagi, Vinay Kumar, Kazmi, Absar Ahmad (2010) Effects of High Bulk Liquid DO on the Performance of Continuous Fed Sequencing Batch Reactor. Proceedings of International Conference on Emerging Technologies for Sustainable Environment, 29-30 October, A.M.U, Aligarh, Excel Publishers, pp 749-755.
14. Tyagi, V. K., Gaur, Rubia Zahid, Bhatia, Akanksha, Khan, Abid Ali, Ali, Muntjeer, **Khurshed, A.**, Kazmi, A.A. (2010) “Effects of Holi (Festival in India) Colors on the Performance of 18 MLD Sewage Treatment System in India”. Proceedings of Eighth International Symposium on Southeast Asian Water Environment, October 24-26, Phuket, Thailand.
15. Tyagi, Vinay Kumar, Bhatia, Akanksha, Gaur, Rubia Zahid, Ali, Muntjeer, Khan, Abid Ali, **Khurshed, A.**, Kazmi, Absar Ahmad and Khan, Anwar Ali (2010). “Effects of Shock Toxic Load on Activated Sludge Process”. Proceedings 3rd International Congress of Environmental Research (ICER-2010), 16-18th September 2010, University of Mauritius, Reduit, Mauritius, pp 789,
16. **Khurshed, A.**, Khan, A. A., Tyagi, V. K., Kazmi, A. A. (2009) “A Study on organics, nutrients, coliforms removal and sludge reduction in continuous flow and intermittently decant sequencing batch reactor”. Proceedings of First International Conference on Advances in Wastewater Treatment and Reuse (AWTR-2009), 10 - 12 November, University of Tehran, Tehran, Iran, pp-325.

17. Ali M., **Khursheed A.**, Kazmi A.A, Rotary Drum Composting of Herbal Industry Waste Seminar on Environmental issues pertaining to Pharmaceutical Industry, Ministry of Chem. & Fertilizers, New Delhi, 12th Feb 2009.
18. **Khursheed, A.**, Khan, A.A., Tyagi, V.K., Kazmi, A.A. (2009) Coliforms, organics, nutrients removal and sludge reduction in continuous flow sequencing batch reactor. Proceedings Seventh International Symposium of South East Asian Water Environment, October 28-30, AIT, Bangkok, Thailand.
19. Tyagi, V.K., Khan, A.A., **Khursheed, A.**, Kazmi, A.A. (2008) Feasibility of Continuously flow Sequencing Batch Reactor Treating Municipal Wastewater. Proceedings 3rd Uttarakhand Science & Technology Congress, Nov. 10-11-2008, IIT Roorkee pp 184.
20. Tyagi, V.K., Khan, A.A. **Khursheed, A.**, Kazmi, A.A, Mehrotra, Indu (2008) Operation of UASB reactor for sewage treatment under reduced sludge synthesis. Proceedings National Symposium of Water Resources in India: Concerns, Conservation and Management (1-3 November 2008) Srinagar, J&K. pp. 60.

Published Articles

1. Sir Syed Ahmad Khan's Legacy Goes Beyond Securing Minority Rights, The Quint, 17.10.2019, <https://www.thequint.com/voices/opinion/muslim-rights-sir-syed-ahmad-khan-constitution-of-india-amu>
2. Retrospective of Evolution of Legislative and Minority Rights in India – The Origin Exists in Sir Sayed's Ideology, October 16, 2019, Countercurrents.org, <https://countercurrents.org/2019/10/retrospective-of-evolution-of-legislative-and-minority-rights-in-india-the-origin-exists-in-sir-sayeds-ideology>
3. Sir Sayed Ahmad Khan aur Aqalliyaton ke huqooq, Rashtriy Sahara, October 17, 2019. <http://www.roznamesahara.com/epapermain.aspx?queried=9&eddate=10%2f17%2f2019>
4. Institutional Extortion by Centre Government – Greatest threat to India's federal structure, 12 April, 2019 <https://countercurrents.org/2019/04/12/institutionalise-extortion-by-centre-government-greatest-threat-to-indias-federal-structure/>
5. BJP in power is always favourable to Pakistan and vice-versa, Countercurrents, 19 March, 2019, <https://countercurrents.org/2019/03/19/bjp-in-power-is-always-favourable-to-pakistan-and-vice-versa/>
6. Research That's A Blessing And Research That's A Threat, Countercurrents, 201516, 02 May, 2016, <http://www.countercurrents.org/khursheed020516.htm>
7. New Education Policy 2016: Same Pizza With A Few Saffron Toppings? <http://www.countercurrents.org/2016/08/01/new-education-policy-2016-same-pizza-with-a-few-saffron-toppings/>
8. AMU Centres: Present And - Past Tense, Countercurrents, 50316, 05 March, 2016, <http://www.countercurrents.org/khursheed050316.htm>
9. Why does the Modi Sarkar want to stymie AMU's Off Campus Centres? Sabrang, March 14, 2016, <https://sabrangindia.in/content-authors/dr-anwar-khursheed>

10. AMU Minority Issues, AMUNetwork, January 2016, <http://www.amunetwork.com/2016/01/amu-minority-issue-must-read-anwar.html>
Anwar Khursheed, (2016) Effective Water Management by Environmental Engineering -
11. Best Solution to Water Crisis, Face-to-Face, Radiance Viewsweekly Vol. LIV No.6, 25-29, 8-14 May 2016, <http://radianceweekly.in/portal/issue/article/effective-water-management-by-environmental-engineering-the-best-solution-to-water-crisis/>
12. Short/Long Term Strategy with Effective Implementation Only Answer to Smog Surrounding Cities, Face-to-Face, Radiance Viewsweekly Issue 34, 18-20, 19-25 Nov 2017.
13. What does M in AMU stand for? Hindustan Times Daily, New Delhi, Jan 19, 2016.
14. AMU A Minority Institution – Facts and Remedies, AMU Watch, Vol 2 No.1 Jan 2006.
15. Crown is ready, King is needed, AMU Watch, Vol 2 No.2 December 2006.
16. Handle with Care, AMU Watch, Vol. 3 No.1 July 2007.

Reviewer of Major Journals

1. Water Research **Impact Factor 5.4** Elsevier.
2. Journal of Hazardous Materials **Impact Factor 4.7** Elsevier.
3. Journal of Environmental Management **Impact Factor 3.5** Elsevier.
4. Environmental Technology **Impact Factor 1.6** Taylor & Francis Group.
5. Water Science and Technology **Impact Factor 1.1** IWA Publishing, UK.
6. Chemical Engineering Journal **Impact Factor 3.7** Elsevier.
7. Journal of the Taiwan Institute of Chemical Engineers **Impact Factor 2.08** Elsevier.
8. African Journal of Environmental Science and Technology, **H5 Index: 8.0** AJEST Nairobi.
9. Journal of King Saud University: Engineering Sciences Elsevier.
10. Journal of Geography and Regional Planning **H5 Index: 8.0** HJGRP.
11. Desalination and Water Treatment **Impact Factor 0.8** Taylor & Francis Group.
12. Environmental Engineering and Management Journal **Impact Factor 1.44** OMICRON

Participation as Expert

1. Principles of Municipal Wastewater Treatment for BOD and Enhanced Biological Nutrients Removal, CPCB Sponsored Training Programme, TERI, New Delhi, June 11, 2019.
2. Environmental Rights a part of Human Rights Charter, Refresher Course in Human Rights, UGC Human Resource Development Centre, AMU, Aligarh, June 12, 2019.
3. Why Enhanced Nutrient Removal is essential with BOD Removal from Municipal Wastewater to achieve comprehensive Treatment? Training on New Trends in Wastewater Treatment and Reuse (NTWT-2019). Department of Chemical Engineering, MNNIT, Allahabad, India, March 16, 2019.

4. Prerequisites of Prerequisites of Municipal Wastewater Treatment for BOD and Enhanced Biological Nutrients Removal, Vellore Institute of Technology, VIT, Chennai, Feb., 2019.
5. Climate Change & Water, Climate Change Colloquium Workshop, Wings of Desire NGO, Frank & Debbie Management Complex, AMU Aligarh, February, 2019.
6. Refresher Course in Environmental Studies- Water Woes – Press the Panic Button, Centre for Academic Leadership and Education Management (CALEM), AMU, Aligarh. February, 2019.
7. Environment and Human Rights: Linkages to Environmental Sustainability, Refresher Course in Human Rights, UGC Human Resource Development Centre, AMU, Aligarh. September, 2018
8. Lead Presentation – Prathvi, Jal, Vayu, Aakaash – 5 Elements of sustainability, Jal, Jungle, Zameen, programme on Environment by All India Radio & TV, Agra. July 2018.
9. Key note address - Environmental Protection - the Platform to Sustained Economic Development, Environment Day Programme, Aligarh, June 2018
10. Faculty Development Programme Key Note Address - Sustain Development in making Smart Cities, Hindustan College of Engineering & Technology, Sharda University, Mathura, June 2018.
11. Refresher Course in Environmental Studies- Environmental Impact Assessment (EIA) – Platform to Sustain Economic Development, UGC Academic Staff College, AMU, Aligarh. December, 2017.
12. Invited Lecture on WASH Coverage in Higher Education- where we stand? Water Sanitation and Hygiene Curriculum Development Workshop, TERI University, 10 Institutional Area, Vasant Kunj, New Delhi, India. June 21 -23, 2017.
13. Expert Lecture on Prerequisites of Municipal Wastewater Treatment for BOD and Enhanced Biological Nutrients Removal, FDP on Environmental Pollution: Monitoring and Control, Delhi Technological University, DTU, Delhi. 27th October 2016.
14. Expert Lecture on Municipal Wastewater Treatment for BOD and Nutrients Removal, TERI, New Delhi. 27th October 2016.
15. Refresher Course in Environmental Studies- Fresh Water Quality, UGC Academic Staff College, AMU, Aligarh. September, 2016.
16. Strict dependent on C/N, C/P and rbCOD/sbCOD ratio for Enhanced Biological Nutrient Removal during Sewage Treatment, Key note address in National Seminar on R & D Perspective for Rejuvenation of River Ganga, IIT Roorkee & NIH, Roorkee. Dec 16 & 17, 2015.
17. “Water Woes – Press the Panic Button” ASCE Workshop Keynote Presentation, Civil Engineering Department, AMU, Aligarh, September 02, 2015.
18. Refresher Course in Environmental Studies- Wastewater Management, UGC Academic Staff College, AMU, Aligarh. July, 2015.
19. Workshop on “Environmental concerns and Commerce - Shaping the Professions and Professionals towards Green Commerce”, Department of Commerce, Aligarh Muslim University in partnership with IIM Kashipur, 24th - 28th, February, 2015.

20. Workshop on UASB post treatment- Department of Civil Engineering IIT Roorkee April 2015
21. Guest Speaker to inaugurate our Technical Civil Engineering Group "SENSUS & Invited Lecture on Water Quality in reference to Wastewater Management, Mahatma Gandhi Mission College of Engineering & Technology, Noida", Oct 29, 2014
22. Refresher Course, UGC Academic Staff College, AMU, Aligarh. Aug, 2014.
23. Refresher Course, UGC Academic Staff College, AMU, Aligarh. May 17-28, 2013.
24. Refresher Course, UGC Academic Staff College, AMU, Aligarh. May 17 - 28, 2013.
25. Refresher Course, UGC Academic Staff College, AMU, Aligarh. May 9 - 24, 2011.
26. JICA & MoEF Sponsored Workshop on Operation and Maintenance of Sewerage Works. IIT Roorkee organized at India Habitat Centre, New Delhi. February 4th, 2011.
27. CPCB Sponsored Course on Design, Operation & Maintenance of STP, Department of Civil Engineering, Z.H. College of Engineering & Technology, AMU, Aligarh. Feb 2011.
28. Course on Advance Water & Wastewater Treatment Technologies, IIT Roorkee, March 2010.
29. JAICA Sponsored Training Course on O&M of Sewage Treatment Plants, 22 – 26th Feb, 2010
30. JAICA Sponsored Training Course on O&M of Sewage Treatment Plants, 1– 5th Feb, 2010
31. Short Term Course on Analysis of Water & Wastewater, CPCB–CEC, IIT Roorkee, Dec 2009.
32. Wastewater Reclamation Processes for Refineries, SAMREF, Yanbu, Saudi Arabia, 1999.
33. Training Programme on Reverse Osmosis & Pre-treatment Systems for SADAF (ARAMCO) Refinery Engineering Staff, Saudi Arabia, 1998.
34. Anaerobic Wastewater Treatment, CPHEEO, Ministry of Urban Development, 1994.
35. Training on UASB Domestic Wastewater Treatment, Indo-Dutch Environment Cooperation Programme, Under Ganga Action Plan, Kanpur, 1992.
36. Anaerobic Wastewater Treatment, CPHEEO, Ministry of Urban Development, 1991.

Seminars, Conferences, Workshops & Refresher Courses Attended as Resource person

1. Prof. Iqbal Ansari Memorial Lecture on Minority Rights Day, AMU Students Union, December 18, 2018.
2. **Award of Excellence during Community Engagement Roundtable**, US Department of Homeland Security Office for Civil Rights and Civil Liberties (DHS CRCL) Chicago October 26, 2017, 3001 W. Peterson Ave, Chicago IL 60659, USA.
3. Orientation Workshop on Outcome Based Education and Accreditation for Programme Evaluators (PEVs), 28th May, 2018 at Juniper Hall, India Habitat Center, New Delhi.
4. **“Building for the Future”** Seminar on Community Development, and 17th Annual Fundraising Event by ZAM’s Hope, Sunday, October 22, 2017, Shalimar Banquets, [280 W. North Ave.](#), [Addison](#), Chicago, [IL 60101](#), USA.

5. International Seminar Sir Sayed's Reforms: Contemporary Relevance, ISSRAR 17, AMU Alumni Forum, Dubai, October 19, 2017.
6. International Workshop on UASB-DHS Integrated Technology – A sustainable sewage treatment technology, Tohuko University, Japan, New Delhi, 16-17 October, 2014.
7. APJC Collaboration Connect International Summit Conference – CISCO, Sheraton Hotel, Cotai Central, Macau, 26-28 May 2014.
8. An Integrated Water Management for Ganga Basin: A Workshop on Collaboration Avenues, National Mission for Clean Ganga Ministry of Environment and Forests, Government of India, India- Canada IC-IMPACTS Centres of Excellence, 10– 12 February 2014.
9. Japan-India Workshop on UASB-DHS Integrated Technology (Experiences of Karnal DHS Project), SCOPE Convention Centre, New Delhi, 28th Jan, 2011.
10. International Conference on Emerging Technologies for Sustainable Environment, 29-30 October 2010, A.M.U, Aligarh.
11. Short Term Course on Aggregate Organics, CPCB – CEC, IIT Roorkee, Dec 2009.
12. Seminar on Environmental issues pertaining to Pharmaceutical Industry, Ministry of Chem. & Fertilizers, New Delhi, 12th Feb 2009.
13. National Symposium on Water Resources in India, Srinagar, J&K, 1 -3 November 2008.
14. USCOST Science & Technology Congress, November 2008.
15. Course on “Environmental Studies”, UGC Academic Staff College, AMU, Aligarh, 2002
16. Course on “Advances in Civil & Arch. Engg”, Academic Staff College, AMU, Aligarh, 2001
17. Network Program on Air Pollution, MoEF and NEERI, Nagpur, Dec- Jan 1991.
18. Short term Course on Anaerobic Wastewater Treatment, CPHEEO, Ministry of Urban Development, 1994
19. Training on UASB Domestic Wastewater Treatment, Under Indo-Dutch Environment Cooperation Programme, MoEF, under Ganga Action Plan, Kanpur 1992.
20. Short term Course on Anaerobic Wastewater Treatment, CPHEEO, Ministry of Urban Development, 1991
21. Workshop on Alluvial Channels, UGC Sponsored, AMU, Aligarh 1985.

Projects, Dissertations & PhD Guidance: Sixty-seven (67)

Major Consulting & Design Projects: Forty-eight (48)

1. Campus Network on 10 Gigabyte OFC backbone spanning more than 150 deptt/units under phase IV (2014) (Project cost Rs. 72.6 Million)
2. Campus wise Wi-Fi Network on 10 Gigabyte OFC backbone under phase V (2014) (Project cost Rs. 224.5 Million)
3. Construction of 2100 Girls hostel (2015-2017) (Project cost Rs. 820 Million)
4. Construction of ABK Union School extension (2015-2016) (Project cost Rs. 820 Million)
5. Construction of Zainul Abedin Road (2015-2016) (Project cost Rs. 50 Million)
6. Construction of Swimming Pool Complex (2015-2016) (Project cost Rs. 122.5 Million)

7. Renovation of Strachey Hall the first Building of MAO College build in 1877. Aligarh Muslim University Gazette, vol. 53, no. 12, October 2016.

Participation in Corporate Life:

- Coordinator AMU Centres, (Off Campuses at Malappuram, Kerala, Murshidabad, WB & Kishenganj, Bihar)
- Vice-Chairman AMU Alumni Committee, AMU, Aligarh. 2018- till date
- Life Member, Indian Society for Technical Education (ISTE).
- Visiting Expert National Board of Accreditation (NBA)
- Member UPPSC Interview Selection Boards.
- Coordinator Foreign & NRI Students' Admission, AMU Aligarh 2018.
- University Engineer, February 14, 2015 – Feb 2017.
- Invited Member, Finance Committee, AMU, Aligarh, 2015 – 2017.
- Member, Building Committee, AMU, Aligarh, 2015 – 2017.
- Member, Campus Master Plan Committee, AMU, Aligarh, 2016 – 2017.
- Principal, FCI, Aligarh. 2014 – 2015.
- Director, Computer Centre. 2013 – 2014.
- Incharge, Civil Engineering Section. 2013 – 2015.
- Coordinator School Admissions. 2014.
- Member, Academic Council, AMU, Aligarh, 2013 – 2014.
- Member Admission Reform Committee, AMU, Aligarh, 2014.
- Member Committee on Policy for Faculty Induction, AMU, Aligarh, 2014.
- Convenor, Central Purchase Committee for Computers, AMU, Aligarh, 2013 – 2014.
- Member AMU Web Committee for www.amu.ac.in, AMU, Aligarh, 2013 – 2014.
- Member, Executive Council, AMU, Aligarh, 2003 – 2006.
- Member University Court, AMU, Aligarh, 2002 – 2005.
- Member Grievance Committee, AMU, Aligarh, 2003 – 2006.
- Member Committee for Pensionary benefits, AMU, Aligarh, 2003 – 2006.
- Member Faculty of Engineering, AMU, Aligarh, 2002 – 2005.
- Coordinator, Environmental Engineering Course, 2000 – 2006.
- Member Selection Committees for Asstt. /Assoc. Professors, Tutors/PGT/TGT, Non-Academic Staff.

Anwar Khursheed.

(Anwar Khursheed)