

## Curriculum-Vitae

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|---|---|
| <b>Name</b>   | : Mohsin Anwer  |
| <b>Address</b>  | : Baghia, street no 5, Jeewangarh, Aligarh, 202002, UP, India   |
| <b>Email</b>  | : <a href="mailto:mailsyed078@gmail.com">mailsyed078@gmail.com</a>                                    |
| <b>Mobile</b>   | : +91-8126819192  |
| <b>LinkedIn</b>   | : <a href="https://linkedin.com/in/mohsin-anwer-074b5a119">linkedin.com/in/mohsin-anwer-074b5a119</a> |
| <b>Current Position</b>   | : M. Tech in Environmental Engineering  |
| <b>Specialization</b>   | : Solid Waste Management, Water and waste water treatment, Air pollution, Project Management          |
| <b>Project works</b>  | : 03 (only at academic level)   |
| <b>Awards/achievement</b>                                       | : Number of awards at school and college level including University Gold medal                        |
| <b>Internships/training/other programs</b>                      | : 08  |
| <b>Workshops</b>  | : 03  |
| <b>Camps</b>  | : 03  |
| <b>Verified certificate courses</b>                             | : 21  |
| <b>Seminars/webinars</b>  | : 21  |
| <b>Conference attended</b>                                      | : 07  |
| <b>Papers in national/international conferences proceedings</b> | : 08  |
| <b>Papers in Journals</b>                                       | : 06  |
| <b>Book Chapters</b>  | : 01  |
| <b>Memberships of Professional Bodies</b>                       | : 03  |

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**Profile:**


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A dedicated, determined and hardworking Civil Engineer, with Diploma in Engineering Certificate, Bachelor Degree (B.Tech), and M.Tech, having excellent planning, designing and overseeing skills in construction. He has creative thinking and practical knowledge acquired through various trainings, academic projects and practical work. He also possesses logical thinking, quick learning capability, outstanding problem-solving ability, basic legal knowledge and good ability to work with a team and in pressure situations.

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**Career Objectives:**


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To acquire a challenging position in a reputed and progressive organization where I can use my knowledge in planning, designing, creative skills and solving prevailing issues for the growth and development of the organization and keep abreast myself with latest trends and technologies.

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**Academic Qualifications:**


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| Examination                                       | Board\University                   | Year | Aggregate        |
|---|------------------------------------|------|------------------|
| <b>M. Tech<br/>(Environmental Eng.)</b>           | Aligarh Muslim University<br>(AMU) | 2021 | <b>93%</b>       |
| <b>B. TECH<br/>(Civil Eng.)</b>                   | Aligarh Muslim University<br>(AMU) | 2018 | <b>8.55(CPI)</b> |
| <b>Diploma In Eng.<br/>(Civil)</b>                | Aligarh Muslim University<br>(AMU) | 2014 | <b>88.52%</b>    |
| <b>SSC Part II<sup>nd</sup> (10<sup>th</sup>)</b> | Aligarh Muslim University<br>(AMU) | 2010 | <b>74.6%</b>     |

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**Technical Skills:**


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**IT Skills**


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- ✓ Operating system: Windows, XP, 7,8,10
- ✓ Programming languages: C basic

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*Anwer, Mohsin*

- ✓ Software: Auto Cad, basic STAAD PRO. MS Office (Word, Excel, PowerPoint etc.), Primavera P6, Microsoft Project

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### Engineering Skills

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- ✓ **Civil Engineering related skills:** Survey instruments like Dumpy, Tilting and Auto Levels, Theodolite, Plane Table, Total Station, performs various quality control tests on Civil Eng. Materials, performs soil inspection and plotting of soil profile, design various structural members, performs estimating and costing of various structures, draw submission drawings,
- ✓ **Environmental Engineering related skills:** Prepares EIA report, performs various lab tests related to Environmental Eng.
- ✓ **Project Management related skills:** Prepare Company Organization Charts ,Project Organization Charts, multiple Work Breakdown Structure (WBS), Management Level Schedules, Overall Project Schedule for a Process Plant in MS Project, Prepared Overall Project Schedule for a Pipeline Project in P6, R8.4, templates for Weekly / Monthly Progress Reports, Developed monthly progress review Presentation, Developed Progress Measurement System for an EPIC Contract, Developed Invoicing (Billing) System for an EPIC Contract, Manpower Deployment Charts & Histograms (Sch. Vs Act), Progress S Curves (Early Sch. Vs Late Sch. Vs Act), Cash Flow (In / Out) curves for an EPIC contract, Risk Register

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### Academic Projects Undertaken:

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#### Diploma in Eng.

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A detailed project on “**Planning, Analysis & Designing of Residential Building**”

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#### Bachelor of Technology

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- ✓ “**Conditioning Assessment of Existing Sewerage Infrastructure and Proposal for Upgradation at Kanpur**” under Ganga Clean-Up Mission.
- ✓ “**Pollution abatement of the river Yamuna in Agra- setting up of a Sewage Treatment Plants (STP)**”

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#### Master of Technology

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Comparative Analysis of Role of Various Nanoparticles In Enhancement Of The Methane Production In Anaerobic Digestion Of Wastes

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### Extra-Curricular Activities:

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- ✓ **2017-2018:** President at **American Society of Civil Engineer (ASCE)**, Student’s Chapter, AMU.

- ✓ **2017-till date:** President of “**The Aligarh Youth Society**” (Regd. No 1973), an AMU student-based NGO.
- ✓ **2017-2018:** **ASCE CO-ORDINATOR** of ZARF’18 the Annual college Fest of ZHCE, AMU
- ✓ **2016-2017:** Student member at **American Society of Civil Engineer (ASCE)**, Student’s Chapter, AMU.
- ✓ **2016-2017:** **Workshop Coordinator** at **American Society of Civil Engineer (ASCE)**, Student’s Chapter, AMU.
- ✓ **2015-2016:** **Student member** in **American Society of Civil Engineer (ASCE)**, Student’s Chapter, AMU.
- ✓ **2015-2016:** **Student member** of **Indian Concrete Institute**, Ghaziabad.
- ✓ **2016- till date:** **Managing In charge** at a school “**Ekta Girls School**”, Zakir Nagar, Aligarh.

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### Seminars/webinars

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- ✓ An international webinar on “**Green & Sustainable Building Materials and Utilization of C&D Waste**” organized by Department of Civil Engineering, JUET Guna (MP), India on **05/12/2020**.
- ✓ A webinar on “**Solid Waste Management**” by Dr Anil Haritash, Associate Professor, Department of Environmental Engineering, **Delhi Technological University** on **13/05/2020**.
- ✓ A webinar on “**Organic Waste Composting Method**” Conducted by **CBS Technologies Pvt. Ltd** on **15/05/2020**
- ✓ A webinar on “**Structural Health Monitoring in the construction Industry**” conducted by **Indian Concrete Institute** on **21/05/2020**.
- ✓ A webinar on “**Low-Cost Passive Biofilters for Onsite Wastewater Nitrogen Removal**” conducted by **AAEES** on **20/05/2020**.
- ✓ A webinar on “**MS Projects for management of construction project**” conducted by **AISSMS College of Engineering** on **30/05/2020**
- ✓ A webinar on “**Trends in Wastewater treatment system**” presented by Dr. J. Rajesh Banu, Associate Professor, **Central University of Tamil Nadu**, Thiruvarur, India organized by Department of Civil Engineering, PET Engineering College, Vallioor on **03-06-2020**.
- ✓ A webinar on “**Different non-destructive techniques for the evaluation of the concrete structures**” organized by **Wonder Cement Limited**, India on **29-05-2020**.

- ✓ A webinar on **“Solution are in nature”** organized by **The Institution of Engineers**, Aligarh Local Centre, Aligarh on **05-06-2020**.
- ✓ A webinar on **“Waste Segregation & its Importance in Waste Management”** organized by **Orion Infotech Services** in association with **SNIT Women's University**, P.V. Polytechnic, Juhu Campus on **05-06-2020**.
- ✓ A webinar on **“Energy for sustainable environment transforming the future”** organized by **School of Technology, PDPU** on **6-06-2020**.
- ✓ A webinar on **“Research Methodology”** organized by **Loyola College (Autonomous)**, Chennai-600 034, Tamil Nadu, India on **12<sup>th</sup> and 13<sup>th</sup> June, 2020**.
- ✓ A Webinar on **“ITRI Advanced Oxidation Process Fenton Technologies”** organized by Ciren Tech on **13-07-2020**.
- ✓ Webinar on **“Surface Ozone Air Pollution and its impacts on Environmental”** organized by Department of Physics, APC Mahalaxmi College for Women, Thoothukudi on **15-07-2020**.
- ✓ A Webinar on **“ The Impact of Drones in construction Industry”** organized by Department of Civil Engineering, PET Engineering College, Vallioor on **17-07-2020**.
- ✓ A Webinar on **“New construction Water PROOFING”** organized by Department of Civil Engineering, NIT COIMBATORE, on **17-07-2020**.
- ✓ A Webinar on **“Wastewater treatment technologies”** organized by Ciren Tech on **27-07-2020**.
- ✓ A webinar on **“Basics Of Waste Water Treatment”** organized by the Department of Civil Engineering, Noorul Islam Centre for Higher Education on **24/07/2020**.
- ✓ A webinar on **“Waste to Wealth”** organized by the Department of Civil Engineering, Kumaraguru College of Technology and association with Kuppakaaran Waste Management Pvt Ltd on **30/9/2020**.
- ✓ A webinar on **“Application Of Constructed Wetlands in Phytoremediation of Wastewater”** organized by Institution of Civil Engineers (UK) SSN– Student Chapter on **9/11/2020**.
- ✓ A webinar on **“Renewable And Sustainable Fuel”** organized by Centre for Biofuel and Bioenergy Studies (CBBS), Pandit Deendayal Energy University, India in collaboration with Centre for Biofuel and Biochemical Research (CBBR), University Teknologi Petronas, Malaysia on **10/08/2021**.

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## Workshops

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- ✓ **Brainstorming Workshop** on **“E-Waste Management in India”** Organized By CSIR-National Environmental Engineering Research Institute (**NEERI**), Nagpur India on **6/03/2020**.
- ✓ **3-days online workshop** on **“Recent trends and scope in Civil Engineering”** organized by Department of Engineering, ARKA JAIN University, Jamshedpur (Jharkhand) during **02nd – 04th June, 2020**.
- ✓ **One-day workshop** on **“Emerging Trends in Research Methodologies”** organized by organized by M.M. Institute of Computer Technology & Business Management (MCA), Maharishi Markandeshwar (Deemed to be University), Mullana – Ambala on **09-06-2020**.

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### Internships/trainings/other programs

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- ✓ AICTE sponsored online one-week short term training program on “**Industrial and Municipal Solid waste management for Green India Series I**” organized by Department of Civil Engineering, P.S.R Engineering College during **20-26, July 2020**.
- ✓ AICTE sponsored online one week short term training program on “ **Industrial and Municipal Solid waste management for Green India Series II**” organized by Department of Civil Engineering, P.S.R Engineering College during **24-29, August 2020**.
- ✓ Internship in “**Waste to energy**” from Vardhan Consulting Engineers, Corp. Office: 55/108, Soi 11 Sukhumvit, Wattana, Bangkok, from 14 June to 28 July 2020.
- ✓ Attended a program on “**Corporate Skill Development Program**” from 21 June to 20 July 2020 from Vardhan Consulting Engineers, Corp. Office: 55/108, Soi 11 Sukhumvit, Wattana, Bangkok
- ✓ **International Research Internship** from 15 June 2020 to 15 July 2020 ( 1 month) organized by Manuscriptpedia, Kanyakumari through online pedagogy.
- ✓ Internship and Training in **Project Management and Control**, Protecon BTG Noida for a duration of **6 months**. (August/2018-January/2019).
- ✓ Internship at **Construction Division 1**, TTZ, PWD Agra under the supervision of Er. Naresh Kumar (Executive Engineer), for duration of **2 months** (June to July 2017).
- ✓ 10 days **Computer Training Program** of “**Advance Diploma in Networking Technology**”, IIMT Aligarh.

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### Camps

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- ✓ **Eng. Geology camp**, at Rasoolpur, Agra. On March, 2016.
- ✓ **Survey camp** in Diploma Eng. At Jawa, Bulandshehr. UP in 2012.
- ✓ **Survey Camp** in B.Tech at Bannair, Bulandshehr, UP, in 2017.
- ✓ Site visiting at **Aligarh Railway Station**, October 2017.

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### Achievements/Awards:

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- ✓ **Stipendium Hungaricum Scholarship** holder for Master’s degree in Hungary.
- ✓ 1<sup>st</sup> prize in Civil Eng. Quiz Competition organized in College Fest ‘Zarf’ 2016
- ✓ Organized an event “BRICK BONDING” in College Fest Zarf ’18, ZHCET, AMU.
- ✓ Organised an event “STRONCERETE” in College Fest Zarf ’18, ZHCET, AMU.
- ✓ **UNIVERSITY GOLD MEDALIST**, 2014 for standing 1<sup>st</sup> in Polytechnic. University Polytechnic, AMU Aligarh.
- ✓ Compiler of a book “**Barkaton Ka Mahina Ramzan**” 2015
- ✓ Received **University Merit Financial Award** in II<sup>nd</sup> & III<sup>rd</sup> years Diploma in Engineering for securing 1<sup>st</sup> rank.

- ✓ **“Papa Mian Best Student Award”**, 2006 for securing 99.1% in 5<sup>th</sup> class with Rs.1000 as scholarship, Papa Mian School (today Sheikh Abdullah Memorial School) Aligarh
- ✓ Acquired 1<sup>st</sup> position in the class IX<sup>th</sup> in **International Olympiad Of English Language**, 2009, ABK High School, AMU Aligarh.

**Note:-**

Number of awards and certificates are conferred at school level. Approximately 15 (awards and certificates) in the field of debate, writing competition, bait baazi (telecasted on national channel door darshan), quiz competition on various topics, painting competition, essay writing, standing 1<sup>st</sup> from 3<sup>rd</sup> to 8<sup>th</sup> & sports. (only Some relevant achievements are described above.

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**Verified Certificate Course**

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- ✓ **Solid waste management** authorized by World bank and offered by EDX, **13/05/2020**
- ✓ **Standard Precautions: Waste management** authorized by World bank and offered by EDX, **09/05/2020**
- ✓ **Municipal Solid Waste in developing Countries** authorized by École Polytechnique Fédérale de Lausanne and offered by Coursera, **24/05/2020**
- ✓ **Achieving Sustainable Development Goals on Water and Sanitation** authorized by ASEAN Development Bank Institute, **10/05/2020**
- ✓ **Introductory Course to the Basel Convention on the Control of Transboundary Movements of Hazardous Wastes and their Disposal and Regional Instruments on Hazardous Wastes** authorized by InforMEA (The United Nation Environmental Law and conventions Portal), **14/05/2020**
- ✓ **Introductory Course on the International Legal Framework on Transboundary Air Pollution** authorized by InforMEA (The United Nation Environmental Law and conventions Portal), **24/05/2020**
- ✓ **Introductory course to the international legal framework on Environmental Impact Assessment by InforMEA** (The United Nation Environmental Law and conventions Portal), **24/05/2020**
- ✓ **Going Digital for Water Treatment Plants** authorized by Bentley Institute, **10/05/2020**
- ✓ **Designing and Implementing Successful Water Supply and Sanitation Utility Reform** authorized by World bank group (open learning campus), **17/05/2020**
- ✓ **Introduction to Faecal Sludge Management** authorized by École Polytechnique Fédérale de Lausanne and offered by Coursera, **22/05/2020**
- ✓ **Air Pollution – a Global Threat to our Health** authorized by University of Copenhagen offered by Coursera, **22/05/2020**
- ✓ **Introduction to Environmental Law and Policy** authorized by University of North Carolina at Chapel offered by Coursera, **28/05/2020**
- ✓ **Planning & Design of Sanitation Systems and Technologies** École Polytechnique Fédérale de Lausanne and offered by Coursera, **28/05/2020**
- ✓ **Introduction to Household Water Treatment and Safe Storage** École Polytechnique Fédérale de Lausanne and offered by Coursera, **29/05/2020**

- ✓ **Introduction to Environmental Governance** authorized by InforMEA (The United Nation Environmental Law and conventions Portal), **31/05/2020**
- ✓ **Initiating and Planning Projects** authorized by University of California offered by Coursera, **31/05/2020**.
- ✓ **Budgeting and Scheduling Projects** authorized by University of California offered by Coursera, **31/05/2020**
- ✓ **Managing Project Risks and Changes** authorized by University of California offered by Coursera, **01/05/2020**
- ✓ **Circular Economy - Sustainable Materials Management** authorized by Lund University, EIT Raw Materials, VITO, Geological Survey of Denmark and Greenland, National Technical University of Athens, Ghent University and Delft University of Technology offered by Coursera, **05/06/2020**.
- ✓ **Water and Wastewater Treatment Engineering: Physicochemical Technology** authorized by Tsinghua University offered by EDX, **07/06/2020**.
- ✓ **Global Environmental Management** authorized by University of Denmark (DTU) offered by Coursera, **15/06/2020**.

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### Papers in national/international Conferences/journals/Book Chapters

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#### International/ National Conferences

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- ✓ **Mohsin Anwer, Mohd Salim Mahtab, Shahnawaz Haidar “Advanced Oxidation Processes: A Brief Review”**, Proceedings of International Conference on Recent Advances in Engineering and Science”, Aligarh Muslim University ,11-12 Jan, 2020, ISBN: 978-81-944663-1-4 (*paper presented by poster mode*)
- ✓ **Mohsin Anwer, Maaz Abdul Moiz “A Review on Air Pollutants from Cement Industry and Its Environmental Impacts in India”**, International Conference on Advances in Chemical Science and Petrochemical Engineering (ACAPE 2020), AMU, 22-24 February 2020.
- ✓ **Mohsin Anwer, Mohd Salim Mahtab “Application of Fenton Process for Wastewater Treatment: A Review”**, International Conference on Advances in Chemical Science and Petrochemical Engineering (ACAPE 2020), AMU, 22-24 February 2020. (*paper presented by oral mode*).
- ✓ **Arpit, Mohsin Anwer, “Role of Chlorides as impurities in mixing water on compressive strength of cement concrete cubes”**, International Conference on Advances in Chemical Science and Petrochemical Engineering (ACAPE 2020), AMU, 22-24 February 2020.
- ✓ **Arpit, Mohsin Anwer, “Concrete Cloth: An Introduction to Rapid Concreting and Repair”**, International Conference on Smart Engineering Technologies 2020 (IWSCET-2020), 26th & 27th June 2020, ISBN: 978-93-5407-648-0. (*paper presented by oral mode*)
- ✓ **Mohsin Anwer, Atif Husain, Talha Zafar, “A Review on Soil Remediation by Fenton Process”**, 3rd International Conference on Trends and Recent Advances in Civil Engineering (TRACE2020), Department of Civil Engineering, Amity School of Engineering & Technology, Amity University Uttar Pradesh, Noida, India, 20TH -21ST August 2020.



- ✓ Gulafshan Tasnim, **Mohsin Anwer**, “**A review on the Optimization of Biogas production through Anaerobic Co-digestion of Biomass**”, 2<sup>nd</sup> International Conference on Sustainable Urban Development Resource Conservation and Food Security 2020 (SURF2020), 6-12 August. *(paper presented by oral mode)*
- ✓ Amir Khan, **Mohsin Anwer**, “**Advance Techniques For Diclofenac Removal From Pharmaceutical Wastewater: A Review**”, 1<sup>st</sup> International Conference on Innovations in Engineering Sciences (ICIES), 19<sup>th</sup> -20<sup>th</sup> September. *(paper presented by oral mode)*

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#### National/Internationals Journals

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- ✓ **Mohsin Anwer**, Zeeshan Shahab, Imran Qayyum, Sohail Ayub, “**Ambient Air Quality and Noise Level Assessment in New-Born Intensive Care Unit, Emergency ICU and Paediatric ICU of JN Medical College and Hospital, Aligarh**”, Solid State Technology, ISSN: 0038111X, Volume-06, Issue-2, Jan 2021
- ✓ **Mohsin Anwer**, Gulafshan Tasnim “**Environmental Impacts of Thermal Power Plants in India and its abatement measures**”, International Journal for Research in Engineering Application and Management (IJREAM), Impact factor: 6.466, ISSN: 2454-9150, Vol-06, Issue-08, Nov 2020, DOI: [10.35291/2454-9150.2020.0668](https://doi.org/10.35291/2454-9150.2020.0668).
- ✓ Amir Khan, **Mohsin Anwer**, “**Advance Techniques For Diclofenac Removal From Pharmaceutical Wastewater: A Review**”, International Research Journal on Advanced Science Hub( IRJASH), ISSN: 2482-4376, Volume 2, Issue Special Issue ICIES9S, Pages 26-31, Sep 2020, DOI: <http://dx.doi.org/10.47392/irjash.2020.154>
- ✓ **Mohsin Anwer**, Mohd Faizan “**Solid waste management in India under COVID19: Challenges and Solutions**”, International Journal of Engineering Research & Technology (IJERT), Impact factor: 7.86, ISS:2278-0181, Vol-09, Issue-06, June-2020, DOI: <http://dx.doi.org/10.17577/IJERTV9IS060079>
- ✓ **Mohsin Anwer**, Gulafshan Tasnim “**A review on the Optimization of Biogas production through Anaerobic Co-digestion of Biomass**”, International Journal of Engineering Research in Mechanical and Civil Engineering (IJERMCE), ISSN: 2456-1290, Vol-01, Issue-09, Nov 2022
- ✓ **Mohsin Anwer**, Yadullah Faizi “**A Review on Types and Applications of Advanced Oxidation Processes**”, International Journal of Advances in Engineering and Management (IJAEM) Volume 4, Issue 2 Feb 2022, pp: 1059-1070 ISSN: 2395-5252, DOI: [10.35629/5252-040210591070](https://doi.org/10.35629/5252-040210591070)

**Note:** Two more papers have been submitted to journals viz “**A brief review on Treatment Methods for Pesticide Contaminated Water**” and “**Construction and Demolition waste - based Geopolymer concrete: A brief review**”

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#### Book Chapters

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- ✓ “**A Review on Soil Remediation by Fenton Process**” **M Anwer**, A Husain, T Zafar - Advances in Geotechnics and Structural Engineering, 2021. Page no.165 , Springer Nature

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### Conferences attended

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- ✓ Proceedings of International Conference on Recent Advances in Engineering and Science”, Aligarh Muslim University ,11-12 Jan, 2020
- ✓ International Conference on Advances in Chemical Science and Petrochemical Engineering (ACAPE 2020), AMU, 22-24 February 2020.
- ✓ International E-conference on ‘Sustainable Development: A biological and socioeconomical Perspective’ organized by Government Vidarbha Institute of Science and Humanities Amravati (MS) India on June 26-27,2020.
- ✓ International Conference on Smart Engineering Technologies 2020 (IWSCET-2020), 26<sup>th</sup> & 27<sup>th</sup> June 2020, ISBN: 978-93-5407-648-0.
- ✓ International Conference on Advancements in Science and Technology (ICOST-2020), 25<sup>th</sup> and 26<sup>th</sup> July 2020.
- ✓ A Two-Day National Level e-Conference on “Recent Advances in Technology & Engineering (CRATE-2020)” organized by the Dept. of Civil Engineering from 20th to 21st August 2020.
- ✓ 1<sup>st</sup> International Conference on Innovations in Engineering Sciences (ICIES), 19<sup>th</sup> -20<sup>th</sup> September.

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### Memberships of Professional Bodies

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- ✓ **Solid Waste Association of North America (SWANA)**, membership ID **1733907**.
- ✓ **International Association of Engineers (IAENG)**, membership ID **262938**.
- ✓ **American Concrete Institute (ACI)**, membership ID **2033039**

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### Personal Dossiers:

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**Father's Name** :Mr. Munawwer Alam  
**Date of Birth** :23-01-1993  
**Gender** :Male  
**Nationality** :Indian  
**Religion** :Islam  
**Language known** :Urdu, Hindi, English




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### Interests and Activities:

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- ✓ Reading Books
- ✓ Discussion
- ✓ Painting
- ✓ Listening music

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### References:

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**Prof. Arshad Umar**  
**Department of Civil Eng.**  
**ZHCET, AMU**

**Dr. Farrukh Basheer**  
**Department of Civil Eng.**  
**ZHCET, AMU**

**Prof. Nadeem Khalil**  
**Department of Civil Eng.**  
**ZHCET, AMU**

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**Declaration:**

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I hereby declare that the information furnished above is true to the best of my knowledge. And if anything is found false. I will be liable to be acted upon as per Indian law.

Dated:  
Place: Aligarh



Signature  
**(Mohsin Anwer)**