Name of Faculty	Dr. MOHD AAMIR
Designation	Assistant Professor
Nature of Job/Appointment	Regular
Date of Joining	28-02-2022
E-mail	mohdaamir_civil@cbit.ac.in

Educational Qualifications	**Name of the Degree**	**Class**
Ph.D.	Doctor of Philosophy (Civil Engineering-Hydraulics)	Awarded
PG	M.Tech. (Water Resources Development)	First (Hons.)
UG	B.Tech. (Civil Engineering)	First (Hons.)

Work Experience	
Teaching	--
Research	7.5 years
Industry	--
Others	--
Areas of Specialization	Water resources, open channel hydraulics, scour, sediment transport, river engineering
Professional Memberships	• Indian Society for Hydraulics (ISH) – Life Member (LM-1187) • Indian Water Resources Society (IWRS) – Life Member (LM-2016-7639)
Responsibilities held at Institution Level	--
Responsibilities held at Department Level	--
Research Guidance	--
Awards/Scholarships Received	• JalvigyanPuraskar 2015 awarded by the Indian Society for Hydraulics (ISH) for Best Paper published in ISH Journal of Hydraulic Engineering • MHRD Scholarship (Govt. of India) at M.Tech. level, IIT Roorkee. • MHRD Scholarship (Govt. of India) to pursue Ph.D. from IIT Roorkee. • Merit-cum-Means Scholarship (MOMA, Govt. of India) at B.Tech. level, AMU.
Courses Handled at Under Graduate / Post Graduate Level.	Watershed Management
No. of Papers Published	National Journals – -- International Journals – 8 National Conference – 2 International Conference – 5
Projects Carried out	--
Patents	--
Technology Transfer	Drafted the original code of practice for planning and design of RCC Porcupine groynes (Section 6.3.6 and Annex C of the Indian Standard: IS 8408), in the draft stage to be published by the Bureau of Indian Standards (BIS).
Invited Speaker	--

No. of Books/Chapter Published with details

1. Prediction of local scour depth downstream of an apron under wall jets (2017), *In: Development of Water Resources in India,* 32*,* 375-385*, Water Science and Technology Library, 75, Springer, Cham, Switzerland*, eBook ISBN:978-3-319-55125-8,DOI: 10.1007/978-3-319-55125-8_32
2. Environment protection with river restoration using Porcupine systems, *In: Water Resources Management and Sustainability, Advances in Geographical and Environmental Sciences, Springer, Singapore*, eBook ISBN:978-981-16-6573-8

Details of Short-Term Training Programs/Faculty Development Programs/Seminars/Workshops/Other Trainings (**Attended and/or Organized**)

International Conferences:

1. HYDRO 2015 INTERNATIONAL, 20th International Conference on Hydraulics, Water Resources and River Engineering, organized by Department of Civil Engineering, IIT Roorkee, December 17-19, 2015.
2. International Conference on Emerging Technologies for Sustainable Environment, organized by Department of Civil Engineering, AMU, Aligarh, October 29-30, 2010.

National Conferences:

1. FYPMGSY 2016, National Conference on Fifteen Years of Pradhan Mantri GraminSadakYojna, organized by Department of Civil Engineering, IIT Roorkee, August 6-7, 2016.
2. Indian Conference for Academic Research by Undergraduate Students, organized by IIT Kanpur, March 26-28, 2010.

Workshops/Seminars:

1. Seminar on River Action Plan, Flood Management and Basin Development, organized by Consulting Engineers Association of India, at Shangri-La's Eros Hotel, New Delhi, July 27-28, 2018.
2. Workshop on Water Use Efficiency, organized by Indian Water Resources Society and Department of Water Resources Development & Management, IIT Roorkee, December 9, 2013.
3. Workshop on Natural Disasters (Earthquakes & Cyclones) and their Mitigation, organized by Centre for Disaster Management Studies, Department of Civil Engineering, AMU, Aligarh, May 12, 2012.
4. Workshop on Flood Disaster and its Mitigation, organized by Centre for Disaster Management Studies, Department of Civil Engineering, AMU, Aligarh, May 10, 2012.
5. Workshop on Disaster Management, organized at TAAMEER '10 by Department of Civil Engineering, AMU, Aligarh, October 08-10, 2010.
6. Disaster Management Awareness Camp at "Aligarh Annual Industrial & Agricultural Exhibition", January 28 to February 28, 2011.
7. Workshop on Development and Sustainability, organized by ENVIRONSENSE – an environmental NGO, at Department of Civil Engineering, AMU, Aligarh, October 10, 2010.
8. Students' Seminar, organized by CSEC at General Education Centre, AMU, Aligarh, February 23, 2010.

Details of Journal Publications/ Conferences (National and International)

International Journals

1. **M Aamir** and Z Ahmad (2021), Effect of apron roughness on flow characteristics and scour depth under submerged wall jets, *Acta Geophysica*, In press, DOI: 10 .1007/s11600-021-00672-9 (Springer, Indexed in **SCI, IF=2.054**)
2. M A Khan, N Sharma, J H Pu, **M Aamir** and M Pandey (2021), Two-dimensional turbulent burst examination and angle ratio utilization to detect scouring/sedimentation around mid-channel bar, *Acta Geophysica*, 69:4, 1335-1348, DOI: 10.1007/s11600-021-00600-x (Springer, Indexed in **SCI, IF=2.054)**
3. Z Ahmad, **M Aamir** and U K Singh (2021), Computation of bridge pier scour through physical model study, *The Bridge and Structural Engineer*, 51:1, 85-93 (ING-IABSE)
4. **M Aamir** and Z Ahmad (2019), Estimation of maximum scour depth downstream of an apron under submerged wall jets, *Journal of Hydroinformatics*, 21:4, 523-540, DOI: 10.2166/hydro.2019.008 (IWA Publishing, Indexed in **SCI, IF=2.376**)
5. R K Chaudhary, **M Aamir**, Z Ahmad and S K Mishra (2019), Scour downstream of a corrugated apron under free jets, *VW Applied Sciences*, 1:1, 15-25, DOI: 10.36297/vw.applsci.v1i1.5 (Vallway Research Publication)
6. **M Aamir** and Z Ahmad (2016), Review of literature on local scour under plane turbulent wall jets, *Physics of Fluids*, 28, 105102, DOI: 10.1063/1.4964659 (AIP Publishing, Indexed in **SCI,IF=3.521**)

7. **M Aamir** and N Sharma (2016), Reply to the 'Discussion by S.K. Mazumder on "Riverbank protection with Porcupine systems: development of rational design methodology" by M Aamir and N Sharma (2015)', *ISH Journal of Hydraulic Engineering*, 22:3, 272-273, DOI: 10.1080/09715010.2016.1184105 (Taylor & Francis, Indexed in **Scopus, CiteScore=3.2**)
8. **M Aamir** and N Sharma (2015), Riverbank protection with Porcupine systems: development of rational design methodology, *ISH Journal of Hydraulic Engineering*, 21:3, 317-332, DOI: 10.1080/09715010.2015.1029544 (Taylor & Francis, Indexed in **Scopus, CiteScore=3.2**)

International Conferences

1. **M Aamir** and Z Ahmad (2019), Hydraulics of submerged jets causing scour downstream of a rough rigid apron, *ISRS 2019 - 14th International Symposium on River Sedimentation*, Sichuan University, Chengdu, China, September 16-19
2. **M Aamir** and Z Ahmad (2015), Estimation of scour depth downstream of an apron under 2D horizontal jets, *HYDRO 2015 INTERNATIONAL,20th International Conference on Hydraulics, Water Resources and River Engineering*, IIT Roorkee, India, December 17-19
3. **M Aamir** and N Sharma (2015), Efficiency of triangular and prismatic Porcupines in capturing sediment for river training, *HYDRO 2015 INTERNATIONAL,20th International Conference on Hydraulics, Water Resources and River Engineering*, IIT Roorkee, India, December 17-19
4. **M Aamir** andN Sharma (2014), Sediment trap efficiency of Porcupine systems for riverbank protection, *HYDRO 2014 INTERNATIONAL, 19th International Conference on Hydraulics, Water Resources and Environmental Engineering*, MANIT Bhopal, India, December 18-20
5. J Alam, M Muzzammil, P Gupta and **M Aamir** (2012), The ANN approach to rainfall runoff prediction, *International Conference on Emerging Trends in Engineering and Technology*, TMU Moradabad, India, April 6-7

National Conferences

1. **M Aamir** and Z Ahmad (2017), Scour downstream of a rigid apron, *Third National Dam Safety Conference*, IIT Roorkee, India, February 18-19
2. **M Aamir** and Z Ahmad (2016), Prediction of local scour depth downstream of an apron under wall jets, *WRHP 2016, National Conference on Water Resources and Hydropower*, UPES Dehradun, India, June 17-18

Research Profiles	Google Scholar: PwDYAK4AAAAJ ORCID: 0000-0002-3314-5738 Scopus ID: 56589689200 Web of Science ResearcherID: AAF-1149-2019
Reviewer of International Journals	Review Editor - Water and Built Environment (Frontiers in Water) Physics of Fluids Environmental Fluid Mechanics Arabian Journal of Geosciences Beni-Suef University Journal of Basic and Applied Sciences Journal of King Saud University - Science