

Allegato alla domanda di partecipazione
Curriculum formativo, didattico, scientifico e professionale del candidato

Dichiarazione sostitutiva di certificazioni

(Art. 46, D.P.R. 28 dicembre 2000 n. 445)

Dichiarazione sostitutiva dell'atto di notorietà

(da sottoscrivere davanti all'impiegato addetto o da presentare o spedire con la fotocopia di un documento di identità)

(Art. 47, D.P.R. 28 dicembre 2000 n. 445)

Estremi del bando di selezione	<p>Selezione pubblica per il conferimento di Assegni di Ricerca ai sensi dell'art. 22 della L. 30/12/2010, n. 240 - Tipo B - Assegni su altri fondi (D.R. n. 765 del 13.05.2024). Titolo del Progetto: "Strumenti di governance a supporto dell'accessibilità urbana e territoriale in Sardegna" - Area: 08 - Ingegneria civile e Architettura - Settore Concorsuale: 08/F1-Pianificazione e progettazione urbanistica e territoriale – SSD: ICAR/20 - Responsabile Scientifico: Prof.ssa Chiara Garau</p> <p>Public selection for the awarding of Research Grants pursuant to art. 22 of Law 30/12/2010, n. 240 - Type B - Grants on other funds (DR n. 765 of 13.05.2024). Project Title: "Governance tools to support urban and territorial accessibility in Sardinia" - Area: 08 - Civil Engineering and Architecture - Competition Sector: 08/F1- Urban and territorial planning and design – SSD: ICAR/20 - Scientific Manager: Prof. Chiara Garau</p>
Informazioni aggiornate al	09/09/2024
Nome e Cognome	Tazyeen Alam

Esperienza professionale

Periodo	Ente	Principali attività e responsabilità
Research		
02.01.2020 – 20.03.2024	Research Assistant at the Indian Institute of Technology Kharagpur, India	Performed activities:1) Research background analysis, gaps, and management. 2) Dissemination of results and outreach, including implementation at local authority level 3) site visits, questionnaire development, empirical assessments, schedule maintenance, writing reports and publication works.
05.01.2021 – 01.01.2024	Prime Minister research Fellow (PMRF) at the Indian Institute of Technology Kharagpur, India in collaboration with the Ministry of Education, India	Performed activities:1) Empirical assessments of the proposed project. 2) Budgeting and management for the dissemination of results and outreach, including implementation at local authority level 3) review report and presentation every year with a team of selected urban planners, stakeholders, and policy makers from the Ministry of Human Resource and Development in India to evaluate the outcome and progress of the promised project proposal.

02.01.2020 – 31.12.2021	Project Assistant at the Indian Institute of Technology Kharagpur, India	Performed activities:1) Literature review on the housing typologies in the case study areas and problem identification. 2) Writing reports, questionnaire development, and publication works.
Teaching Assistant		
12.2020 – 20.03.2024	Ranbir and Chitra Gupta School of Infrastructure Design and Management, Indian Institute of Technology Kharagpur, India	Courses on: • Infrastructure Performance & Management Workshop with M.Tech students (72 contact hours). • Design & Evaluation Laboratory with M.Tech students (36 contact hours). Co-guided 3 M.Tech thesis focused on transit corridor development & sustainable city design in urban India.
07.12.2020 – 30.04.2022	Department of Civil Engineering, Indian Institute of Technology Kharagpur, India	Course on: Engineering Drawing and Computer Aided Graphics with B.Tech students (48 contact hours).
24.07.2023 – 13.10.2023	National Programme on Technology Enhanced Learning (NPTEL) course for Geographic Information Systems (GIS)	Conducted a 24-hour International online certification course of Remote sensing & GIS.
19.07.2022 – 27.06.2023	Department of Civil Engineering, Medinipur Sadar Govt. Polytechnic, Medinipur, India	Course on: Minor AutoCAD Project for 60 contact hours to 3 rd and 4 th semester students.
18.04.2022 – 27.06.2022	Department of Architecture, Faculty of Engineering, Zakir Hussain College of Engineering and Technology, Aligarh Muslim University, India	Course taught on: History of Architecture theory classes, including Greek, Roman, Baroque, & Renaissance styles of Architecture (18 contact hours).
Peer-Reviewer		
10.2023 – Present	Sustainable Cities and Society	Elsevier: IF = 11.7
06.2023 – Present	Journal of the Urban Planning and Development Division	ASCE: IF = 2.53
03.2023 – Present	Proceedings of EASTS	J-Stage: Scopus indexed
03.2023 – Present	Heliyon	Elsevier: IF = 3.776
02.2023 – Present	npj Sustainable Oceans	Springer Nature): Scopus indexed
Industry		
30.09.2019 – 30.12.2019	Urban Planner at Beyond Built Pvt. Ltd., New Delhi, India	Detailed site assessment, urban design report and execution on site, drawings and layout for landscaping on site.
01.06.2017 – 03.06.2019	Architect at The Studio – Axis Design, New Delhi, India	Conceptual drawing, design development (including large-scale projects), sanction drawings, presentation drawings, working drawings and details for execution.

Istruzione, formazione (es. titoli di studio, certificazioni professionali/linguistiche/informatiche)

Data	Titolo / Principali tematiche	Ente
2020 – 2024	Ph.D. in Urban Planning (Infrastructure Design and Management)	mark: 9.11/10 CGPI , August 9, 2024, Ranbir and Chitra Gupta School of Infrastructure Design and Management, Indian Institute of Technology Kharagpur, India Thesis: “ <i>Morphological Assessment of Built Environment and its Impact on Water Usage in the Indian Context</i> ” – Supervisor: Prof. Dr. Ankhi Banerjee
2017 – 2019	Master in Architecture (Urban Regeneration)	mark: 8.52/10 CGPI , Distinction (Honours) with gold medal, June 28, 2019, Faculty of Architecture and Ekistics, Jamia Millia Islamia, New Delhi, India Thesis: “ <i>Regenerating Balance between the Water Systems and Human Settlements: A Case of Bagjola khal in Kolkata, West Bengal, India</i> ” – Supervisor: Ar. Ashim K. Manna
2012 – 2017	Bachelor in Architecture	mark: 9.325/10 CGPI , June 20, 2017, Honours with silver medal, Department of Architecture, Zakir Hussain College of Engineering and Technology, Aligarh Muslim University, India Thesis: “ <i>Kolkata Museum of Modern Arts (KMoMA), Kolkata, West Bengal, India</i> ” – Supervisor: Prof. Dr. Mohd. Khalid Hasan

Publicazioni / Convegni

Journal Articles	
01.	Alam, T., & Banerjee, A. (2024). Impacts of Urban Attributes Related to Elevated Water Stress on Indian Society. <i>Societal Impacts</i> . [Revision Submitted]
02.	Alam, T., & Banerjee, A. (2024). Predicting Significant Urban Attributes based on Elevated Water Stress using K-Means Clustering. <i>Cities</i> . [Manuscript Under Review]
03.	Alam, T., & Banerjee, A. (2024). The Nexus of Urbanization, Demographics, and Water Consumption in Emerging Economies. <i>Journal of Urbanism: International Research on Placemaking and Urban Sustainability</i> . [Manuscript Under Review]
04.	Alam, T., & Banerjee, A. (2024). Urban Morphological Drivers of Household Water Use in Developing Economies: A Structural Equation Model Approach. <i>Environment and Planning B: Urban Analytics and City Science</i> . [Accepted]
05.	Alam, T., & Banerjee, A. (2024). Impact of Urban Morphology on Transportation Preferences in Fostering the Sustainable Development of Emerging Urban Centers in South Bengal. <i>Journal of the Eastern Asia Society for Transportation Studies</i> , 15, 690–707. https://doi.org/10.11175/easts.15.690

06. Alam, T., & Banerjee, A. (2023). Analyzing the Urban Form in Suburban Areas of the South Bengal Region Using Built Fractals. *Journal of Urban Planning and Development: ASCE*. <https://doi.org/10.1061/JUPDDM.UPENG-4543>
07. Alam, T., & Banerjee, A. (2022). Characterizing land transformation and densification using urban sprawl metrics in the South Bengal region of India. *Sustainable Cities and Society*, 104295. <https://doi.org/10.1016/j.scs.2022.104295>
08. Alam, T., & Banerjee, A. (2021). Rapid Transit-Oriented Morphological Transformations in Indian Cities: A Case of Kolkata Metro. *Sustainable Urban Mobility: Opportunities and Challenges in Developing Countries: Institute of Town Planners India*. <https://doi.org/10.5281/zenodo.8321753>
- Conferences and Proceedings***
09. Alam, T. (2024, June 23 – 28). Comparing Anthropogenic Water Risks from Climate Change in London and Kolkata. *Water Science Conference*. St. Paul, Minnesota, USA.
10. Alam, T. (2024, January 24 – 26). Regional Spatial Justice: Role of Urban Typologies Surrounding Core City in Kolkata Urban Agglomeration. *Twentieth International Conference on Environmental, Cultural, Economic & Social Sustainability*. Aveiro, Portugal. https://cgscholar.com/cg_event/events/S24en/proposal/69472
11. Alam, T. & Banerjee, A. (2023, September 4 – 7). Impact of Urban Morphology on Transportation Preferences in Fostering the Sustainable Development of Emerging Urban Centers in South Bengal. In *Proceedings of the 15th International Conference of Eastern Asia Society for Transportation (EASTS'2023)*. Kuala Lumpur, Malaysia; EASTS.
12. Alam, T. (2023, July 5 – 15). Urban Morphology: An Integrated Approach towards Dynamic Urban Futures. Oral Presentation at the AESOP PhD Workshop and 35th Annual Congress, Poznan and Lodz, Poland.
13. Alam, T., & Banerjee, A. (2023, February 10 – 11). Morphing demographic characteristics driven by altering water use in South Bengal. *Book of Abstracts, Annual Research on Cities Summit (ARCS) 7.0*. Vol 1(1). pp. 26. School of Human Settlements, XIM University. <https://doi.org/10.5281/zenodo.7648092>
14. Alam, T., & Banerjee, A. (2022, December 12 – 16). Changing Water Scenario and Urban Fractals in Peri-Urban Areas of South Bengal Region. *American Geospatial Union Fall Meeting*. In SY14B - Community and Citizen Science II Online Poster Discussion. Chicago. Retrieved from <https://agu2022fallmeeting-agu.ipostersessions.com/Default.aspx?s=C1-51-0D-74-46-34-51-92-F1-0F-9D-9A-36-CC-45-23>
15. Alam, T., & Banerjee, A. (2022, October 2 – 6). Deciphering urbanization and spatial disparity in South 24 Parganas district of West Bengal, India. *Proceedings of the 58th ISOCARP World Planning Congress*. Brussels, Belgium. <https://doi.org/10.47472/zkjaabc>
16. Alam, T., & Banerjee, A. (2021, October 1 – 3). Changing Urban Morphologies in TOD of Indian Cities. Oral Presentation at the International Conference on Sustainable Urban Mobility-SUMo2020 (ITPI Bengal Chapter), Kolkata, India. **[Awarded Best Presentation]**
17. Alam, T., (2019, September 27 – 28). A Futuristic Urbanism of eco-sensitive zone of India. Oral Presentation at the International Conference on Water Resource, Climate Change and Sustainability, Hyderabad, India.
18. Alam, T. (2019). Impact of Anthropogenic Activities on Natural Resources: A Case of Water in Kullu Region, Himachal Pradesh. *Conference proceedings of Architecture for Masses: Ekistics*. Vol. 1 (1), ISBN 978-8193774946, Jamia Publication House.

19. Alam, T. (2019, February 17 – 19). Sustainable Approach to City Development: A Case of Kullu Valley, Himachal Pradesh, India. Oral Presentation at the 4th National Conference on Sustainable Architecture and City, Tehran, Iran. <https://doi.org/10.5281/zenodo.8325633>

Book Chapters

20. Alam, T., & Banerjee, A. (2024). Determining Spatial Justice in the Kolkata Urban Agglomeration Using Urban Morphological Indices. Environmentally Sustainable and Socially Resilient Urban Development and Management, Springer Nature Switzerland. [Accepted/Under Publication]

21. Alam, T. (2021). Futuristic Urbanism of eco-sensitive zone of India: A case study of Kolkata region. Sustainable Climate Action and Water Management, 303–309. https://doi.org/10.1007/978-981-15-8237-0_25

22. Alam, T. (2020). Impact of Tourism on Local Communities: A Case of Nalanda, Bihar. In Urban Development: Philosophies, Principles & Practices Vol. 1(1) ISBN: 978-81-948211-4-4, pp. 193 - 218. Jamia Publication House. <https://doi.org/10.5281/zenodo.8379569>

Altre attività scientifiche

Worked as a Project Assistant on the SPAARC Project at Indian Institute of Technology Kharagpur, India, in collaboration with Queen’s University, Belfast – (1528) | Transit Oriented Development (TOD): Developing an Integrated Housing and Transport Model (Submitted On 10-NOV-2023)

Ulteriori informazioni pertinenti

Skills

Languages	Bengali, Hindi, Urdu – Mother tongue English – professional level fluency in writing, reading, speaking, and listening Arabic – basic level in writing, reading, and listening Portuguese – basic level in writing, reading, speaking, and listening
Software	<ul style="list-style-type: none"> • Simulation skills: QGIS, ArcGIS for spatiotemporal analysis, ERDAS Image for LULC classification. • Statistical tool skills: R-Studio, SmartPLS for SEM & SCM, SPSS for data analytics modelling, MS Excel data analytics tools. • Analytical skills: Space Syntax for network analysis, Fractalyse, Image J Java program for fractal analysis, MS Excel for demographic analysis. • Research skills: Framing survey questionnaires, Data collection, Conducting field surveys, Performing grounded theory case studies and qualitative assessments. Manuscript and report writing, submission to peer-reviewed journals, poster & oral presentations. • Urban Planning tools: Global Mapper, Mappuzzle, AutoCAD Map 3D, Adobe Illustrator, Adobe InDesign. • Architectural tools: AutoCAD, Revit for 2D & 3D, Adobe Photoshop, MS Office tools, Lumion 3D, FormIT, Fusion 360, ArchiCAD, Google Sketchup 3D.

Awards and Accomplishments (includes Grants and Fellowships)

12.2022	Commendable Performance was attained in the PMRF annual research review in December 2022. I was classified as one of the top 8% of researchers by MHRD, Govt. of India (out of 2500 PMRF students in the country).
01.2021	Prime Minister Research Fellowship (PMRF) , 2021, with a total grant of 40,000 USD: A competitive selection based on professional skills and research proposal comprising only 500 students among 60 top public institutes of India and considered "India's most prestigious research fellow award").
01.2020	Institute Assistantship (PhD Scholarship) , 2020, with a total grant of 4,500 USD for doctoral studies at the Indian Institute of Technology Kharagpur, India.
2019 - 2020	Top 25 candidates: DAIDA Thesis Awards 2019-2020
07.2019	Gold Medallist , 2019, for securing the first position in M.Arch (Urban Regeneration) at Jamia Millia Islamia, India.
07.2017	Silver Medallist , 2017, for securing the second position in B.Arch (Architecture) at Aligarh Muslim University, India

Sono entusiasta di contribuire con la mia competenza di ricerca e di collaborare a progetti di impatto. Tutte le informazioni fornite sopra sono vere a mia conoscenza e puoi contattarmi per qualsiasi chiarimento.

I am excited to contribute my research expertise and collaborate on impactful projects. All information provided above is true to my knowledge, and you may contact me with any clarifications.

Luogo:Kolkata, India

Data: 09/09/2024

Firma: Tazyeen Alam