

Curriculum Vitae

Dr A. SALEEM KHAN, Ph.D

Fulbright Scholar – Environment, Climate Change, and Sustainability Studies
(Supporting the Ministry of Climate Change and Environment/MOCCAE, Government of the UAE)
601, 6th Floor, Fatima Ali Building, Al Mahattah, Sharjah, UAE.
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(1) Objective:

A seasoned, savvy leader with over 10 years of rewarding experience, employing a multifaceted approach to Environmental Science, Climate Change, and Sustainable Development. An interdisciplinary Fulbright Scholar who is equally passionate about designing pedagogy in environmental science, climate change, and sustainability, mentoring students, and fostering their scientific and research skills on one hand, and conducting research and contributing to policy and planning projects on the other. Possesses strong communication skills and a proven track record of peer-reviewed scientific publications, along with significant contributions to the fields of environmental science, climate change, and sustainable development. Confident, diligent, and goal-oriented, with a commitment to achieving the highest aspirations in life by serving both "*Nature and Humanity.*"

(2) Education:

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|---------------------------|---|--|
| IIT Madras Postdoc | - | Specialization: Climate Change and Sustainability Governance and Services (Interdisciplinary 2018-2020)
Department of Humanities and Social Sciences and
Indo-German Centre for Sustainability (IGCS),
Indian Institute of Technology Madras (IIT Madras), Chennai, India. |
| Fulbright Postdoc | - | Specialization: Climate Change and Sustainability Policies (Interdisciplinary 2015-2016), Columbia Climate School,
The Earth Institute, Columbia University, New York City, NY, USA. |
| Ph.D | - | Specialization: Climate Science (Adaptation) (Interdisciplinary 2009-2013)
Faculty of Science and Humanities
Centre for Climate Change and Adaptation Research, Anna University, Chennai, India. |
| M.Sc | - | Biotechnology (Environmental Science/Biology 2005-2007)
Dissertation Project on Environmental Conservation (Mangroves),
Faculty of Science , University of Madras (Loyola College), Chennai, India. |
| B.Sc | - | Plant Biology and Plant Biotechnology (Environmental Science/Biology 2002-2005)
Faculty of Science , University of Madras (The New College), Chennai, India. |

(3) Fellowships:

- IITM-Institute Postdoctoral Fellowship, IIT Madras, Chennai, India.
- Fulbright Nehru Postdoctoral Fellowship, Columbia University, New York, USA.
- National Doctoral Fellowship-All India Council for Technical Education, Government of India.
- Junior Research Fellowship-University Grant Commission (UGC), Government of India.
- Young Scientist Travel Grant-Department of Sci and Technology (DST), Government of India.
- DISCCRS Next Generation Climate Scholar/Fellow, NASA and NSA, USA.

(4) Memberships:

- Urban Climate Change Research Network (UCCRN)
- Asia Pacific Network for Global Change Research (APN)
- Asian Network on Climate Science and Technology (ANCST)
- Asia Pacific Adaptation Network (APAN)
- American Society of Adaptation Professionals (ASAP)

(5) Key Technical Skills:

- ***Environment, Climate Change, and Sustainable Development Education:*** Demonstrated expertise in teaching subjects related to environment, climate change, and sustainable development. Proficient in designing and developing graduate-level course content and instructional materials aligned with academic standards, with practical experience in delivering lectures and facilitating learning in the context of sustainability studies.
- ***Dissertation Supervision:*** Proven experience in supervising graduate and master's dissertations, particularly within the domains of environment, climate change, and sustainable development. Successfully guided Master's students (2021–2022) through research design, analysis, and thesis completion, ensuring academic rigor and relevance to contemporary sustainability challenges.
- ***Research, Data Analysis, and Evidence-Based Decision-Making:*** Proficient in conducting applied research to advance environmental sustainability, climate change adaptation, and development objectives. Skilled in both quantitative and qualitative analysis, with the ability to translate research insights into practical, evidence-based adaptation and sustainability solutions that inform policy and practice.
- ***Capacity Building and Training:*** Certified Climate Resilience Officer (CRO) with extensive experience in designing and delivering training programs, *Training of Trainers (ToT)* sessions, and knowledge exchange initiatives aimed at enhancing institutional and community capacities for climate adaptation and resilience. Skilled in developing knowledge products, training toolkits, and practical frameworks to foster sustainable and climate-resilient practices.
- ***Project Design, Management, and Implementation:*** Certified Project Manager (PM4DEV) with demonstrated expertise in project conceptualization, proposal development, budgeting, and execution. Experienced in managing climate adaptation and sustainable development projects in alignment with national priorities and global frameworks, including the Sustainable Development Goals (SDGs), Paris Agreement, and the Global Goal on Adaptation (GGA).

(6) Teaching Experience:

- **Assist.Professor-MSc -Environment, Climate Change & Sustainability Studies** (Oct 2020 – May 2022)
Centre for Climate Change and Sustainability Studies
School of Habitat Studies, Tata Institute of Social Sciences (TISS)
Mumbai, Maharashtra, India.
 - ❖ Courses Taught:
 - ✓ EC&SS 11: Introduction to Climate Science
 - ✓ EC&SS 05: Vulnerability, Adaptation and Livelihoods
 - ✓ EC&SS 10: Global Climate & Environmental Governance
 - ✓ EC&SS 19: Extreme Events and Hazards
 - ❖ Other Academic Activities Supervised:
 - ✓ Conducted assessments and evaluations as part of academic credits and grades of students
 - ✓ Supervised Students' master's degree Dissertation/Thesis research work
 - ✓ Played a key role in revising the syllabus of the course EC&SS05
 - ✓ Supported in executing Urban and Rural Field Work of Master Students' Degree Credits
 - ✓ Played a lead role in developing the curriculum for the two-week certificate program on Climate Change and Sustainable Development (CCSD)
 - ✓ Presented special lectures in the seminar series on Technical Skills in Sustainability Studies, Habitat School Seminar on Climate Studies, etc.

(7) Work Experiences (10 Years):

- **Senior Climate Adaptation Officer** (Jan 2023-Till Date)
Global Green Growth Institute – GGGI
(Supporting the Ministry of Climate Change and Environment /MOCCA, Government of the UAE, in developing the UAE's National Adaptation Plan in alignment with UNFCCC guidelines).
GGGI, MOCCA, Dubai, UAE.

- **Assistant Professor** (Oct 2020 – May 2022)
Centre for Climate Change and Sustainability Studies, School of Habitat Studies
Tata Institute of Social Sciences, Mumbai, Maharashtra, India
- **Institute Postdoctoral Fellow** (1 July 2018-30 Sep 2021)
Focus Area: Environment / Climate Science and Governance
(Performed research in the context of climate adaptation services to sea-level rise and evolved BASIEC Framework).
- **Senior Scientist** (Feb 2017 – June 2018)
Focus area: Environmental / Climate adaptation and Coastal Management
M.S.Swaminathan Research Foundation (MSSRF), Chennai, India.
- **Research Scientist** (2015 - 2016)
Focus area: Environment / Climate Science and Policy
(Performed research in the context of climate adaptation science-policy communication for effective climate adaptation governance and evolved COREDAR tool).
Centre for International Earth Science Information Network,
The Earth Institute, **Columbia University, NYC, NY, USA.**
- **Programme Officer** (2014 - 2015)
Focus area: Climate change policy planning and governance
Tamil Nadu State Climate Change Cell (TNSCCC)
Department of Environment, Government of Tamil Nadu, Chennai, India.
- **Research Associate** (2013 – 2014)
Focus area: Coastal Climate Change Adaptation Science, Technology and Policy
Centre for Climate Change and Adaptation Research, Anna University, Chennai, India.
- **Project Assistant** (April – Aug 2009)
Focus area: Urban Coastal Climate Change Adaptation
(Pallikaranai Urban Coastal Wetland, Chennai City)
Centre for Climate Change and Adaptation Research, Anna University, Chennai, India.

(8) Publications:

Google Scholar Citation : h-index: 10; i10-index: 11; Citation: 351)
Scopus Author ID : 57215999738
Orchid ID : 0000-0001-8842-0576

Journals:

1. **Khan, A.S., Mandal, S.K and Rajan, S.C.** (2022). Risk communication and capacity-building: A case study on framing CBA strategies of artisanal fishing communities to sea-level rise using BASIEC. *Climate Services – Elsevier*, 26: 100299 (Springer-Impact Factor: 5.6).
2. Ramachandran, A., **Khan, A.S.,** Prasannahvenkatesh, R., Palanivelu, K and Jayanthi, N (2017). Projection of climate change induced sea level rise for the coasts of Tamil Nadu and Puducherry, India using SimCLIM: A first step towards planning adaptation policies. *Journal of Coastal Conservation*, 21:731-742. (Springer-Impact Factor: 0.9).
3. **Khan A.S.,** Ramachandran, A., Palanivelu, K and Selvam, V. (2016). Climate change induced sea level rise projections for the Pichavaram mangrove region of the Tamil Nadu coast, India: A way forward for framing time-based adaptation strategies. *Indian Journal of Geo-Marine Sciences*, 45 (2): 296-303. (NISCAR Publications - Impact Factor: 0.23).
4. **Khan A.S.,** Ramachandran, A. and Palanivelu, K (2014). Climate Portfolio of Pichavaram mangrove region of Tamil Nadu coasts, India: An add-on information for adaptation policy planning. *Journal of Integrative Environmental Science*, 11(3-4):173-186. (Taylor and Francis Publication: Impact Factor: 1.2].
5. **Khan, A.S.,** Ramachandran, A., Usha, N., Punitha, P and Selvam, V. (2012). Predicted impact of sea-level rise at Vellar-Coleroon estuarine region of Tamil Nadu Coast, in India: Mainstreaming adaptation as a coastal zone management option. *Ocean and Coastal Management*, 69:327-339. (Elsevier Publications - Impact Factor: 1.8).

6. **Khan, A.S.,** Ramachandran, A., Usha, N., Arul Aram, I and Selvam, V. (2012). Rising sea and threatened mangroves: a case study on stakeholders' engagement in climate change communication and non-formal education. *International Journal of Sustainable Development and World Ecology*. 19(4) 330-338. (Taylor and Francis Publications- Impact Factor : 1.6).
7. **Khan, A.S.** and Ramachandran, A. (2012). Adaptation policy road map appraisal. *Environmental Policy and Law: The Journal for Decision Makers*, 42(6):312-316. (International Council of Environmental Law & IOS Publications: Impact Factor 0.045).
8. **Khan, A.S.,** Ramachandran, A., Malini, P. and Usha, N. (2012). Adopt adaptation to changing climate: Realizing the need of the hour. *Ecology, Environ and Conservation*, 18(1): 83-90.
9. **Khan, A.S.** Ali, M.S. and Baig, J.A. (2009). Halophilic (aerobic) bacterial growth of mangrove ecosystem. *Journal of Environmental Biology*, 30(5):705-707.
10. **Khan, A.S.** and Ali, M.S. (2009). Mangroves Living at the Edges: A Social Survey Based on Environmental Issue. *Journal of Human Ecology*, 25(2): 75-77.
11. **Khan, A.S.** and Ali, M.S. (2009). Identification of NIF gene encoding nitrogenase of *Azotobacter vinelandii* of mangrove soil. *Indian Journal of Environmental Sciences* 13(2):135-139.
12. **Khan, A.S.** and Ali, M.S. (2007). Mangroves - An ecosystem in peril. *Journal of Current Sciences*, 10(1): 419-423.

Book chapters:

1. **Khan, A.S.,** Ramachandran, A., Thirumurugan, P., Punitha, S., Selvam, V (2023). An appraisal of coastal land use and land cover of mangrove region: Recognizing ecosystem-based adaptation as a nature-based solution to sea-level rise. *Handbook of Nature-Based Solutions to Mitigation and Adaptation to Climate Change*. Climate Change Management, Springer.
2. **Khan, A.S.,** Ramachandran, A., Selvam, V., Palanivelu, V., Punitha, S., Thirumurugan, P., Jayakumar, S and Malini, P. (2021). Elevation Based Sea-Level Rise Impact Assessment for Sustainable Coastal Resources Management and Adaptation Planning. *Sustainability in Natural Resources Management and Land Planning*, World Sustainability Series, Springer, 381-394.
3. **Khan, A.S.,** Ramachandran, Palanivelu, V. (2021). Urban climate change adaptation framework for Chennai City, India. *Handbook of Climate Change Management*, Springer, https://doi.org/10.1007/978-3-030-22759-3_32-1
4. **Khan, A.S.** (2021). Adaptation to sea-level rise and sustainable development goals. *Encyclopedia of SDG Goals-Life below water*. Climate Change Management, Springer (Accepted-In Press).
5. **Khan, A.S.,** Mandal, S.K and Rajan, S.C. (2020). BASIEC: A coastal climate service awareness framework for community-based adaptation to rising sea levels. *Handbook of Climate Services*. Climate Change Management, Springer, Cham, Switzerland, pp.11-31.
6. **Khan, A.S.,** Robert S.Chen and Alex de Sherbinin (2020). COREDAR: A coastal climate service framework on sea-level rise risk communication for adaptation policy planning and decision-making. In. W.L. Filho and D.Jacob (Eds). *Handbook of Climate Services*, Climate Change Management, Springer, Cham, Switzerland, pp.85-104
7. **Khan, A.S.,** Mandal, S.K and Rajan, S.C. (2020). Chennai city and coastal hazards: Addressing *community-based adaptation* through the lens of climate change and sea-level rise. *Climate change, Natural Hazards and Adaptation Options: Handling the impacts of a changing climate*. Climate Change Management, Springer, Cham, Switzerland, pp.777-798.
8. **Khan, A.S.,** MacManus, K., Jane, M., Madajewicz, M and Ramasubramanian, L (2020). Building resilience of urban ecosystems and communities to sea-level rise: Jamaica Bay, New York City. In. Leal Filho, W. (Eds.). *Handbook of Climate Change Resilience - Towards Integrated Responses to the Causes and Impacts of Climate Change*. Climate Change Management, Springer, pp.95-115.
9. Anil Kumar, N.P., **Khan, A.S.** and Balakrishnan, V. (2019). Coffee, Climate and Biodiversity: Understanding the Carbon Stocks of the Shade Coffee Production System of India. In.Leal Filho, W., Barbir, J. Preziosi, R (Eds). *Handbook of climate change and biodiversity*, Springer, Cham, pp.113-134.
10. **Khan, A.S.** (2017). COREDAR for cities: Developing a capacity building tool for sea-level rise risk communication and urban community-based adaptation. In. Leal Filho, W., Keenan, J. M. (Eds). *Climate change adaptation in North America: Fostering resilience and the regional capacity to adapt*. Climate Change Management, Springer, Berlin, pp.137-157.

(9) Scientific Presentations:

1. **Khan, A.S.** (2019). Chennai city and coastal hazards: Addressing community-based adaptation through the lens of climate change and sea-level rise. International Symposium on Climate Change and Natural Hazards, University of Padova, **Padova, Venice, Italy**, 24 and 25 February 2019.
2. **Khan, A.S.** (2016). COREDAR for cities: Developing a capacity building tool for sea-level rise risk communication and urban community-based adaptation. North American Symposium on Climate Change Adaptation. Columbia University, **New York City, NY, USA**. 16th-18th August, 2016.
3. **Khan, A.S.,** Robert S.Chen, Alex de Sherbinin, A.Ramachandran and K.Palanivelu (2015). COREDAR: Communicating Risk of Sea-level rise and Engaging Stakeholders in framing Community-Based Adaptation Strategies. Poster Presentation, American Geophysical Union (AGU), Fall Meeting, **San Francisco, California, USA**. 16th December, 2016.
4. **Khan, A.S.** (2015). Public Health Implications of Sea-level rise. Rising Seas Summit. Association of Climate Change Officers, **Boston, Massachusetts, USA**, 3-5 Nov, 2015.
5. **Khan, A.S.** (2015). Viewing the coast from the lens of climate Change adaptation. Seminar on Understanding Local Adaptation through the Lens of Climate Change: Tamil Nadu Perspective, Centre for Climate Change and Adaptation Research, Anna University, **Chennai**, 20th Feb, 2015.
6. **Khan, A.S.,** Malleshappa, H and Jayanthi, M (2015). Preparedness of Tamil Nadu State Through The Lens of Climate Change Adaptation and Health: A Governance and Policy Perspective. International Conference on Climate Change and Health, Sri Balaji Vidyapeeth University, **Puducherry, Puducherry Union Territory, India**, 9th January, 2015.
7. **Khan, A.S.,** Ramachandran, A. and Selvam, V. (2011). Planned adaptation: a case study on dealing coastal climate uncertainties. The Knowledge systems of societies for adaptation and mitigation of impacts of climate change, Alexander Von Humboldt and Institute of Social Economic Change, **Bangalore, Karnataka, India**, 19th-21st October, 2011.
8. **Khan, A.S.** and Ramachandran. A. (2011). Valuing indigenous knowledge for restoration of mangrove ecosystem to changing climate. 4th World Conference on Ecological Restoration, **Merida, Mexico**, 21st-25th August, 2011 (Travel Funded by Department of Science and Technology, Government of India).
9. **Khan, A.S** and Ramachandran, A. 2011. Adaptation to climate change: what does it mean to international and national policy options?. National Seminar on "Climate Change Issues and Challenges in International Environmental Law". The Tamil Nadu Dr. Ambedkar Law University, **Chennai, India**, 4-5th June, 2011.
10. **Khan, A.S.,** Malini, P and Ramachandran.A. 2010. From Kyoto to Copenhagen-The Road Less Travelled (An assessment of UNFCCC-Policy negotiations on COP15 Climate Summit). National Conference on Climatic Change and Environmental Resource Management CCERM-2010". Velammal Engineering College, **Chennai, India**. 29th January 2010.
11. **Khan. A.S,** Divya. C, Ramachandran. A. 2009. Tackling Climate Change: Tacking Science to Society (A local approach for global issue with the policy focus). First Indian Youth Science Congress, **Chennai, Tamil Nadu, India**, 5th-7th June 2009.
12. **Khan, A. S,** Chandran.D, Vimal.D and Kumar.Y. 2009. Coastal Climate Campaign-Finding ways to take Action. International Conference on Climate Change: Impact and Responses (Common Ground Conferences-University of Illinois Research Park, Urbana, Illinois, U.S.A.) Bharathiya Vidyapeet University, **Pune, Maharashtra, India**, 9th -11th January, 2009.

(10) Invited Talks as Speaker:

1. **Khan, A.S. (2025).** Risks and Vulnerabilities for the Built Environment (Panel). Emirates Green Building Council 2025 Annual Congress: Mission to 1.5 degree C: Be Bold on Buildings. Crown Plaza, Yas Viceroy Hotel, **Abu Dhabi, UAE**. 22nd May 2025.
2. **Khan, A.S. (2024).** National Adaptation Plan (NAP) Development: Stakeholder Mapping and Engagement Plan. Validation Workshop Gender and Social Safeguards for the UAE NAP Development Ministry of Climate Change and Environment (MOCCA), Government of the UAE, **Dubai, UAE**, 24th October, 2024.

3. **Khan, A.S. (2023).** National Adaptation Plan (NAP): Rationale and Key Concepts. UAE NAP Development: Inception Workshop. Ministry of Climate Change and Environment (MOCCA), Government of the UAE, Zayed University, **Dubai, UAE**, 17th and 18th May 2023.
4. **Khan, A.S. (2018).** Vulnerability and impacts of mangrove ecosystem: A review of South Asia (Pichavaram) mangrove management for adaptation. Workshop on Status of Climate Science and Technology in Asia, **Kuala Lumpur, Malaysia**, 15th and 16th November, 2018.
5. **Khan, A.S. (2017).** Understanding the impacts of climate change on coastal biodiversity: Kerala Perspective. Media workshop on Biodiversity, Community Biodiversity Centre, M.S.Swaminathan Research Foundation, **Wayanad, Kerala, India**, 1st December, 2017.
6. **Khan, A.S. (2017).** COREDAR for Chennai: Lessons from New York City. Conference on Chennai as a Global City, Urban Thinkers Campus and the Madras Chambers, The Rain Tree Hotel, Anna Salai, **Chennai, Tamil Nadu, India**, 9th November, 2017.
7. **Khan, A.S. (2017).** Impacts of climate change on coastal zones: Tamil Nadu perspective. State Level Trainer's Training Program on Climate Change and Disaster Mitigation, State Institute for Rural Development, Maraimalai Nagar, **Chennai, India**, 15th September, 2017.
8. **Khan, A.S. (2017).** "Climate change and mangrove dependent fisheries: Learning through a case study". Seminar Series: Visit of Tamil Nadu Fisheries University members to MSSRF. M.S.Swaminathan Research Foundation, **Chennai, Tamil Nadu, India**, 26th April, 2017.
9. **Khan, A.S. (2017).** Building capacities of cities to changing climate and extreme weather events : Key Issues & Challenges for Urban Growth and Development. National Summit on Climate Change and Disaster Preparedness. UNICEF, Government of India and Confederation of Indian Industry (CII), **Chennai, Tamil Nadu, India**, 11-12th April. 2017.
10. **Khan, A.S. (2017).** Mangrove ecosystem: An adaptation and mitigation measures to climate change. Revisiting Tamil Nadu State Action Plan on Climate Change. Department of Environment, Government of Tamil Nadu, **Chennai, India**, 21st Feb, 2017.
11. **Khan, A.S. (2016).** COREDAR. Seminar Series of International Research Institute for Climate and Society, Columbia University, **New York City, NY, USA**, 14th June, 2016.
12. **Khan, A.S. (2016).** "Decision makers need". SESYNC-Meta Analysis of Climate Change Vulnerability Mapping Studies", **Annapolis, Maryland, USA**, 17-19 Feb, 2016.
13. **Khan, A.S. (2015).** TNSAPCC and Water Resources. Development of climate resilient livelihood systems through climate proofing of watersheds. National Bank for Agriculture and Rural Development (NABARD), **Madurai, Tamil Nadu, India**, 20th January, 2015.

(11) Environment, Climate Change, and Sustainability Project and Programs Supported

The following are some of the key accomplishments in the context of climate change adaptation research and policy as a Senior Scientist, Research Scientist, Program Officer, Research Associate and Project Assistant. Work experience certificates of proofs are enclosed as an annexure.

1. **Development of the UAE's National Adaptation Plan (NAP):** Currently, supporting the Ministry of Climate Change and Environment (MOCCA), Government of the UAE, through Global Green Growth Institute (GGGI) as a Senior Climate Action (Adaptation) Officer in developing the UAE NAP.
2. **Institutional setup for climate change research: (Senior Scientist-Climate Change)**
Playing a lead role in establishing the institutional setup to manage climate change projects and programmes as Climate Change Cross-Cutting Theme at MMSSRF. Developed five year strategic work plan for climate change research at MSSRF and reviewed 25 years of climate change research as ACLAIM (Appraisal of Climate change Activities and Initiatives at MSSRF).
3. **Adaptation Fund: (Programme Officer-Climate Change)**
Played a significant role as a climate change Programme Officer (Govt. of Tamil Nadu, India) in preparing proposals and sought fund from National Adaptation fund for Climate Change. Assisted in preparation of project proposal for Adaptation Fund and Green Climate Fund together with the support of British Deputy High Commission and Department for International Development to implement TN-SAPCC.
4. **Climate Change Knowledge Management System: (Programme Officer-Climate Change)**
Devised a road map for Tamil Nadu State Climate Change Knowledge Management System" a central hub of Information, data and reports about climate change for the State of Tamil Nadu at the Centre for Climate

Change and Adaptation Research, Chennai with the support of Department of Environment, Government of Tamil Nadu through National Mission Strategic Knowledge on Climate Change, Government of India; (b) Played a lead role as a first climate change programme officer for the State of Tamil Nadu and established “Tamil Nadu State Climate Change Cell” for the Government of Tamil Nadu, Chennai, India; (c) Contributed and also Reviewed Tamil Nadu State Action Plan on Climate Change.

5. **A vista for Climate Change Adaptation Strategies: (Research Associate-Climate Change)**
Instrumental in bringing up the reports “Climate change projection for Tamil Nadu: A vista for adaptation strategies” and “Addressing climate change adaptation strategies for Tamil Nadu Coast “ funded by the Department of Environment, Government of Tamil Nadu, India. In addition, played a lead role in establishing “Adaptation Lab/Studio” an interdisciplinary research and policy studio at the Centre for Climate Change and Adaptation Research, Anna University, Chennai, India.
6. **Climate adaptive mechanism: (Project Assistant -Climate Change)**
Conducted research on urban coastal wetlands of Pallikaranai marshland through the lens of “Ramsar Convention of Wetlands” and contributed to “Pallikaranai Marshland Management Plan” of Department of Forest, Government of Tamil Nadu, India.

(12) Served as Resource Person for Environment and Climate Change Communication Trainings:

1. **PhD Course Instruction** – Climate Change Mitigation and Adaptation (Jan–May 2013)
Served as Teaching and Research Assistant for the PhD course “Climate Change Mitigation and Adaptation” (Course Code: CZ 040) at the Centre for Climate Change and Adaptation Research, Anna University, India.
2. **Training Workshop** – Communicating Sea-Level Rise Risks (Apr 4–6, 2018)
Conducted a training workshop titled “Communicating the Risks of Sea-Level Rise: Andaman and Nicobar Islands” at Port Blair, India, funded by the United States–India Educational Foundation (USIEF) and Fulbright Commission. https://docs.wixstatic.com/ugd/698dcc_62aabe314034474c87fa5eac6cbd07b7.pdf
3. **Media Workshop** – Climate Change and Coastal Biodiversity (May 31, 2018)
Served as Training Expert for the media workshop “Understanding the Impacts of Climate Change on Coastal Biodiversity” at M.S. Swaminathan Research Foundation (MSSRF), Kakinada, India.
4. **Trainer’s Program** – Climate Change and Disaster Mitigation (Sep 15, 2017)
Delivered a session on “Impacts of Climate Change on Coastal Zones: Tamil Nadu Perspective” at the State Level Trainer’s Training Program on Climate Change and Disaster Mitigation, organized by the State Institute for Rural Development (SIRD), Chennai, India.
5. **Fulbright Outreach Lecture** – Adaptation to Sea-Level Rise (Apr 8, 2016)
Delivered an invited lecture titled “Adaptation to Sea-Level Rise in Tamil Nadu: Implications for Florida” under the Fulbright Outreach Lecture Program at Florida International University, Miami, USA.

(13) Climate Change Workshops and Training Program Undergone/Participated:

1. **Climate Science and Technology:** Participated in the workshop on “Climate science and Technology”. Intergovernmental Panel on Climate Change (IPCC), Asia-Pacific Network for Global Change Research (APN), Asian Network on Climate Science and Technology (ANCST), Universiti Kebangsaan Malaysia. Kuala Lumpur, Malaysia, 15th November, 2018.
2. **Climate fund seeking training program:** Participated in 5 days training program on “Project formulation- Climate change mitigation and adaptation for NGOs and State Government Officials”. Bankers Institute of Rural Development (BIRD) and National Bank for Agriculture and Rural Development (NABARD), Vijayawada, India, 18th-22nd December, 2017.
3. **Sustainable Development Workshop:** Participated in National Workshop on “Sustainable Development of Mangrove Ecosystems”, Organized by the Department of Geography, University of Madras, Chennai, Tamil Nadu, India, 27th March, 2017.
4. **Climate change policy workshop:** Participated in “High-level consultation workshop on climate change and Practitioners training workshop on integrating climate change concerns into development programme”. Organized by GIZ and Government of Tamil Nadu at M.S.Swamianthan Research Foundation, Chennai, Tamil Nadu, India 19-22nd August 2014.

5. **Climate science and policy workshop:** Participated and presented poster in “1st Climate Science and Policy Workshop” at IIT Bombay, Powai, Mumbai, Maharashtra, India, 6th -7th March, 2014.
6. **Climate change impact and vulnerability assessment training program (Integrated Coastal Zone Management -ICZM):** Completed 21 days training program on “Integrated Coastal Zone Management (ICZM)” funded by The World Bank, MoEF&CC, Government of India and M.S.S.R.F, Chennai, Tamil Nadu, 17th June to 7th July 2013.
7. **Climate model training (SimCLIM):** Trained and licensed user (2013) of “SimCLIM- Climate Simulator an integrated modeling system for assessing climate change impacts, adaptation and Decision Making Software”. Centre for Climate Change and Adaptation Research, Anna University, Chennai, Tamil Nadu, India 20-25th January 2013.
8. **Climate model training (PRECIS):** Undergone training on “Climate Change Impacts & Vulnerability Assessments: Adaptation Framework for Tamil Nadu” using PRECIS (Providing Regional Climate for impact Studies) by UK Met Office, Centre for Climate Change and Adaptation Research, Anna University, Chennai, 10th-15th September, 2012.
9. **Climate change adaptation policy training:** Undergone Training on “Adaptation Policy Planning” and participated in United Nations Asia Pacific Climate Change Adaptation Forum at United Nations Conference Centre, Bangkok, Thailand, 23rd -25th October, 2010.
10. **Climate change impact and vulnerability assessment training program (GIS):** Participated in “Workshop on Geo Spatial Technology for Natural Resources and Environmental Management (Basics)”, University of Madras, Chennai, Tamil Nadu, India, 13th-14th September, 2010.
11. **Climate change impact and vulnerability assessment training program (GIS &Remote Sensing):** Participated in “Workshop on ERDAS IMAGINE-Geo Spatial Data Authoring Software”, Application of GIS and RS in climate change impact studies. Centre for Climate Change and Adaptation Research, Anna University, Chennai, 2nd July, 2010.

(14) Support and Participation in United Nations Climate Change Conferences UNFCCC COPs:

1. **UNFCCC-COP29:** Supported the Ministry of Climate Change and Environment (MOCCAE), Government of the UAE, in preparing and conducting a side event on Gender and Social Inclusion (GESI) along with Climate Governance Baseline and Stakeholder Mapping for the development of the UAE NAP during COP29 at Baku, Azerbaijan.
2. **UNFCCC-COP28:** Represented as UAE Host Country Guest, UNFCCC-COP28 at Dubai Expo City, Dubai, UAE from 30th November to 12th December 2023. Played a key role in preparing the UAE NAP Roadmap launched during the COP28 by HE Minister, the Ministry of Climate Change and Environment (MOCCAE), Government of the UAE. In addition, organized and conducted two side events on Greening Education and NAP with the support of MOCCAE and the Ministry of Education (MOE) during the COP28 at the Greening Education Hub, Mobility Pavilion.
3. **UNFCCC-COP23 Briefing Papers:**
 - i) **Khan, A.S. (2017).** “Without Bonn, there is no Paris”. Updates on the 23rd session of the Conference of the Parties (COP 23) to the UN Convention on Climate Change (UNFCCC). M.S. Swamianthan Research Foundation, Chennai, India.
 - ii) **Khan, A.S. (2017).** “Bon voyage from Bonn, meanwhile, talk Talanoa”. Updates on The 23rd session of the Conference of the Parties (COP 23) to the UN Convention on Climate Change (UNFCCC). M.S. Swamianthan Research Foundation, Chennai, India.
4. **UNFCCC-COP18:** Represented as International Youth Delegate, United Framework Convention on Climate Change-Conference of Parties (UNFCCC-COP18) at Doha, Qatar, from 26th Nov to 8th Dec 2012.
5. **UNFCCC-COP17:** Represented as South Asian Youth Delegate, UNFCCC-COP17, at ICC, Durban, South Africa, from 28th Nov 2011 to 9th Dec, 2011.
6. **UNFCCC-COP15:** Represented as Indian Youth Delegate, UNFCCC-COP15 at Copenhagen, Denmark from 7th-18th December 2009. And, also participated in “Mayor’s Conference” and prepared a document for “Climate Change and Chennai City” for UNFCCC-COP15, held at British Council, British High Commission, India on 3rd December 2009.

(15) Continuing Education – Certificate Courses Obtained:

1. **Integrating Climate Risk Information into NAPs:** Completed certificate course “Integrating Climate Risk Information into NAPs”, UN Institute of Training and Research (UNITAR), 3rd Dec, 2024.
2. **Mastering National Adaptation Plan:** Completed certificate course “Mastering National Adaptation Plan”, United Nations Institute of Training and Research (UNITAR), 29th Dec, 2023.
3. **Measuring Sustainable Development (SDGs):** Completed certificate course “Measuring Sustainable Development”, SDG Academy, 9th June, 2022.
4. **Environment and Social Governance (ESG):** Completed certificate course “ESG and Climate Change”, Wharton School, University of Pennsylvania, USA, 26th April, 2022.
5. **World Bank Group (WBG):** Completed certificate course “Turn down the heat from climate science to action”. Signed by Benitez, P., Miller, A.S. and Surana, K. (Senior Economist, Climate Policy Consultant, Climate Change Specialist), WBG, June 6th, 2016.
6. **Sustainable Development Solutions Network (SDSN):** Completed certificate course (proficiency) “Climate Change Science and Negotiations”. Signed by Jeffrey D Sachs, Oct 2014.
7. **NIDM and WBI:** Completed certificate course “Safer Cities” Conducted by National Institute of Disaster Management (NIDM) and World Bank Institute (WBI), 2009.

(16) Certified Climate Resilient Office and Development Project Manager:

1. **Certified Climate Resilient Officer** (Certification Number: 58; dated 15 June 2025) issued by the Centre for Sustainability and Excellence, Sustainability Academy, Illinois, USA.
2. **Certified Development Project Manager** (CDPM1-706; dated 15 Dec 2023) by the Project Management for Development, Washington DC, USA.

(17) Awards and Recognitions:

1. **Island Innovation Ambassadors 2022:** Recognized as one of the “Island Innovation Ambassadors” to advocate for Islands across the world through the lens of Climate Change and Sustainable Development.
2. **NASA & NSF- Next Generation Climate Change Scholars 2013:** Acknowledged by the DISCCRS VIII Symposium (*Dissertations Initiative for the Advancement of Climate Change Research*)-“As Next Generation Climate Change Scholars”, 12th-19th October, 2013 at Colorado Springs, CO, USA. funded by U.S. NSF & the U.S. NASA.
3. **DST, Government of India-Young Scientist Travel Grant 2011:** Awarded Young Scientist Travel Grant to present a research paper entitled “Valuing indigenous knowledge for restoration of mangrove ecosystem to changing climate”. At the 4th World Conference on Ecological Restoration, Mexico, 21st-25th Aug 2011.
4. **Brightest Young Climate Leader Award 2010:** Recipient of “Brightest Young Climate Leader Award 2010” for demonstrating youth leadership activities in a climate change project. Hindustan times and Arctic Holdings at British Council, New Delhi, India, 24th February, 2010.
5. **United Nations Youth Campaign Award 2008:** Recipient of “United Nations Youth Campaign Award 2008” for significant contribution to millennium developmental goals (sustainable environment) and outstanding humanitarian service. This award has been conferred by United Nations 5th Annual Youth Assembly at UN Headquarters, New York U.S.A. 12th August, 2008.
6. **TNSCST, Government of Tamil Nadu-Best Environmental Project Award 2007:** Received “Best Project Award-Environment and Climate Change” funded by the Tamil Nadu State Council for Science and Technology (TNSCST) for the project “Mangrove forest conservation in the coast of Tamil Nadu.
7. **NEST- Young Scientist Award 2007:** Received “Young Scientist Award” from the New College Science and Technology, University of Madras, Chennai, Tamil Nadu, India, 2007.

(18) For Additional Information:

- **Linktree:** <https://linktr.ee/asaleemkhan>

List of References

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