

Curriculum Vitae

Personal Information

Full Name **Mohsin Raza, PhD**
Telephone +92 321 7917 911
E-mail mohsin.raza@comsats.edu.pk

Current Employment Centre for Climate Research & Development (CCRD), COMSATS University Islamabad - Pakistan (since July 2015)

Work Experience

Name and address of employer **Centre for Climate Research & Development (CCRD), COMSATS University Islamabad - Pakistan**

Dates **08 July 2015 – PRESENT**

Occupation or position held Assistant Professor

Main activities and responsibilities

- Leading project titled: 'Sustainable bioenergy development in emerging economies under global changes: current practice, perception, response and management' awarded by Pakistan Science Foundation. In this project, a business case for bioenergy in Pakistan will be developed in collaboration with China
- Represent CCRD in events/meetings on climate change at national and international level
- Contribute significantly to the institute research plans

Previous Work Experiences

Name and address of employer **Centre for Climate Research & Development (CCRD), COMSATS University Islamabad – Pakistan**

Dates **02 March 2015 – 07 July 2015**

Occupation or position held Research Associate

Main activities and responsibilities

- Conducting research in the areas related to climate change including renewable energy and air pollution
- Organize events under the banner of CCRD to raise awareness on climate change issue
- Represent CCRD in events/meetings on climate change at national and international level

Name and address of employer **Institute of Environmental Studies, University of Karachi - Pakistan**

Dates **08 January 2015 – 27 February 2015**

Occupation or position held Co-operative Teacher (Visiting Faculty)

Main activities and responsibilities Main responsibilities include teaching and conducting lab of Chemistry at undergraduate level.

Name and address of employer **Sindh Muslim Law College, Karachi – Pakistan**

Dates **17 January 2014 – 27 February 2015**

Occupation or position held Visiting Professor

Main activities and responsibilities Main responsibilities include teaching course on Natural Science at undergraduate level.

Name and address of employer **Maastricht University - The Netherlands**

Dates **16 September 2007 – 26 August 2011**

Occupation or position held Teaching Assistant / Research Fellow

Main activities and responsibilities | Main responsibilities include – conducting independent research and delivering tutorials in graduate level course on a. Sustainable Development and Globalization and b. Environmental Change & Society

Name and address of employer | **International Centre for Chemical and Biological Sciences (ICCBS), Karachi – Pakistan**

Dates | **01 June 2006 – 30 August 2007**

Occupation or position held | Research Officer

Main activities and responsibilities | Research Officer for the project entitled “Removal of sulphur from fuel and coal by oxidation method”

Education

Dates | **August 2011 – July 2015**

Title of qualification | **PhD (Environmental Studies)**

Thesis Title | **Sustainability in the domains of health, climate change and alternative energy in the era of Globalization**

Name of organization(s) providing education and training | **University of Karachi – Pakistan**

Dates | **01 January 2005 - 31 December 2005**

Title of qualification | **Master of Science**

Principal subjects | Applied Chemistry

Name of organization providing education and training | **University of Karachi**

Dates | **01 January 2002 – 31 December 2004**

Title of qualification awarded | **Bachelors of Science (Hons.)**

Principal subjects | Applied Chemistry

Name of organization providing education and training | **University of Karachi**

Professional Courses/Workshops/Trainings

- Conducted ‘Hands-on session: Unlocking the power of ChatGPT for Academia’ as resource person. (13 April 2023)
- Dissemination event/Seminar on Race-to-Zero project at CUI. 26 Oct 2022 (Lead Organizer)
- Interactive workshop on ‘Gaming Climate Change’ | Dec 23, 2021 | CUI Islamabad
- Hands-on Training Workshop on Air Quality Monitoring | Jan 23, 2018 | CUI Islamabad
- Poster presentation | Impacts World Conference | Oct 11-13, 2017 | Potsdam, Germany
- Training ‘Integration of Environmental concerns in Natural Resource Management’ | National Centre for Rural Development, Islamabad | Oct 04, 2016
- Workshop ‘CPEC and EIAs – Knowledge Exchange’ | ICUN Islamabad | Sept 20, 2016
- Workshop ‘Stakeholder Consultation workshop on INDC’ | Ministry of Climate Change | 2016
- Seminar ‘Energy, environment & sustainable development’ | NEPRA, Islamabad | Aug, 2016
- One day workshop ‘The impacts of global warming & climate change on water scarcity and energy in Pakistan’ | Air University, Islamabad | Feb 22, 2016
- Training course ‘Climate Change: Implications & Adaptations’ | National Centre for Rural Development, Islamabad | Dec 15-16, 2015
- Workshop ‘Integrated Water Resource Management’ | LEAD Pakistan, Islamabad | Dec 03, 2015
- Workshop ‘Sustainable Land Management Programme to Combat Desertification in Pakistan – Phase II’ | Ministry of Climate Change, Govt. of Pakistan | Nov. 25, 2015
- One day training | fine particle measuring system, testo 380 | CCRD, CUI | Mar 2015
- Lecture | ‘Dealing with human-induced climate change’ at Institute of Space Technology, Karachi (SUPARCO HQs) | Dec 22, 2014
- Poster presentation | ‘Measuring impacts of globalization on health’ | ‘International Conference

on Endorsing Health Science Research', ICCBS, University of Karachi | Mar 16, 2013. My poster has been awarded second best poster in the conference

- Presentation 'Relationship between Globalisation and Climate Change' | University of Agriculture, Rawalpindi | Dec 23, 2011
- International Course 'Integrated Assessment of Global Environmental Change' | SENSE, Putten, Netherlands | Nov 2008.
- International Course 'Environmental Research in Context' | SENSE Research School, Wageningen, Netherlands | June 2008.
- Training Course 'Constructing Composite Indicators' | OECD | Bratislava, Slovakia | Oct 2008
- Statistical Analysis Course | Wageningen University, Netherlands | Jul 2009

Research Projects

- Project 'Sustainable bioenergy development in emerging economies under global changes: current practice, perception, response and management' awarded by Pakistan Science Foundation. In this project, a business case for bioenergy in Pakistan will be developed in collaboration with China.
- 'Race to Zero for Universities' initiative of United Nations Environmental Program. It aims to calculate sustainability measures taken by COMSATS University Islamabad to become Net Zero by 2050. I am providing technical support in the project.
- Project 'Low Carbon Scenario Analysis – Pakistan (Phase I)' a joint project of CCRD, CUI Islamabad and IISD, Canada. The project aims to set out mitigation options in different sectors of Pakistan keeping in view development plans of Pakistan under 'Vision 2025'. I was team member in the project.
- Project 'Low Carbon Scenario Analysis – Pakistan (Phase II)' a joint project of CCRD, CUI Islamabad and IISD, Canada. The project started in Feb. 2016 and lasts till Oct. 2016
- Project on 'Feasibility of sustainable biochar production in Pakistan' in collaboration with Technical University, Braunschweig. Sept. 2016.

Publications

International peer-reviewed journal:

- **Raza, M.**, Mir, K. A., Nisar, U. B. & Hussain, A. (2022) Assessment of Carbon Footprint and Net-Zero Year in a University Campus: a Case Study of COMSATS University Islamabad. Energy for Sustainable Development. (IF: 5.65) (under review)
- Prasath, B. B., Zahir, M., Elsayaha, A. M., **Raza, M.**, Lecong, C., Chutian, S. & Poon, K. (2022) Statistical approaches in modeling of the interaction between bacteria and diatom under a dual-species co-cultivation system. Journal of King Saud University, Science 34(1): 101743. (IF = 4.0)
- Mumtaz M, **Raza M**, Sipra H, Kazim M, Syed JH (2022) How COVID-19 Lockdown Improved Urban Air Quality in Asia? A Remote Sensing & GIS – Based Study. Aerosol and Air Quality Research (submitted in Jan 2022) (IF = 3.06)
- **Raza M**, Khan TMA, Elahi MA & Asad SA. (2021) Effects of globalization on countries from climate change perspective, *Arabian Journal of Geosciences* (under review)
- **Raza M**, Afzal MI, & Elahi MA. (2020) Assessing the sustainability of public health in the era of globalization, *Arabian Journal of Geosciences*
- Abid M, Ali A, Rahut DB, **Raza M** & Mehdi M. (2020) Ex-ante and ex-post coping strategies for climatic shocks and adaptation determinants in rural Malawi, *Climate Risk Management* (published)
- **Raza M** and Elahi Muhammad Athar. (2014) Globalisation, energy usage and sustainability (No 59323). <http://mpa.ub.uni-muenchen.de/59323/>
- Martens P, Akin S, Huynen M, **Raza M**. (2010). Is globalization healthy: a statistical indicator analysis of the impacts of globalization on health. *Globalization and Health*, 6:16, 1-14.
- Martens, P. & **Raza, M**. (2010). Is globalisation sustainable? *Sustainability*, 2, 280-293.
- Martens, P. & **Raza, M**. (2009). Globalisation in the 21st century: measuring regional changes in multiple domains. *The Integrated Assessment Journal*, 9(1), 1-18.

Book chapter:

- Abid, M., Zulfqar, F. & **Raza, M**. (2020) Managing Electronic Waste Pollution: Policy Options & Challenges. In: *Electronic Waste Pollution – Environmental Occurrence and Treatment Technologies*. Springer. Switzerland
- Martens, P. & **Raza, M**. (2009). The Maastricht Globalization Index: An update. In: Baines, H.V. & Ursah, J.R. (eds.). *Globalization: Understanding, Management and Effects*. Nova Science Publishers, Inc., New York, 279-310.

Skills

- Microsoft Office (PowerPoint, Excel, Word)
- Data Visualization
- Whiteboard Animation
- SPSS
- Prompts for ChatGPT