

Muhammad Latif, PhD

Assistant Professor

HEC Approved PhD Supervisor (Physical Sciences)

Department of Meteorology

COMSATS University Islamabad (CUI)

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URL: <http://ww3.comsats.edu.pk/faculty/FacultyDetails.aspx?Uid=646>

ORCID: <https://orcid.org/0000-0002-5448-8465>

Google Scholar: <https://scholar.google.com/citations?user=5Xh-27wAAAAJ&hl=en>

Research Interests

- Climate variability and change: key drivers and associated impacts
- Climatic hazards: spatiotemporal patterns and large-scale dynamics
- Atmospheric teleconnection patterns: local/regional climate influence
- Monsoon dynamics: interaction with large-scale circulation phenomena
- Regional/global climate modelling: performance evaluation & uncertainties

Education

Title of qualification	Ph.D in Meteorology
Dates (from-to)	February 2012 – September 2017
Name of Institute	COMSATS University Islamabad (Pakistan)
Research title	Dynamics of South-Asian Summer Monsoon System and Climate Change with Special Focus on Pakistan (please see the following website for more information: http://ww2.comsats.edu.pk/phd_graduates/GraduateDetails.aspx?id=151)
CGPA	3.86
Title of qualification	Master of Science (M.S) in Meteorology
Dates (from-to)	September 2007 – July 2009
Name of Institute	COMSATS University Islamabad (Pakistan)
Research title	Atmospheric Water Vapor Estimation using GPS Technology
CGPA	3.15
Title of qualification	Master of Science (M.Sc) in Space Science
Dates (from-to)	July 2004 – September 2006
Name of Institute	University of the Punjab, Lahore (Pakistan)
Research title	Architectural Designing of Dense Wavelength Division Multiplexing System
Division	First
Title of qualification	Bachelor of Science (B.Sc)
Dates (from-to)	2001 – 2003
Name of Institute	Baha-ud-Din Zikrya University, Multan (Pakistan)
Major	Mathematics (A & B courses) and Physics
Division	First

Employment

Organization	Department of Meteorology, CUI, Islamabad Campus (Pakistan)
Working As	Assistant Professor
Period (from-to)	April 2022 – Present
Organization	Department of Meteorology, CUI, Islamabad Campus (Pakistan)
Worked As	Lecturer
Period (from-to)	February 2010 – April 2022
Organization	Department of Meteorology, CUI, Islamabad Campus (Pakistan)
Worked As	Research Associate
Period (from-to)	September 2009 – February 2010

- Jan/2024:** Muhammad Latif**, Momel Zoon, Shahzada Adnan, Rehan Ahmed, Abdelwaheb Hannachi, Rashed Mahmood, and Muhammad Umar (2024) Spatiotemporal Analyses of Temperature and Equivalent Temperature and Their Relationship with Crop Health Across Pakistan's Cropland. *Theoretical and Applied Climatology*. <https://doi.org/10.1007/s00704-024-04842-9> (IF: 3.41)
- Oct/2022:** Amro Elfeki, Jarbou Bahrawi, Muhammad Latif, and Abdel Hannachi (2022) Spatiotemporal Analysis of Monthly Rainfall over Saudi Arabia and Global Teleconnections. *Geomatics, Natural Hazards and Risk*. 13(1): 2618-2648. <https://doi.org/10.1080/19475705.2022.2127379> (IF: 3.922)
- May/2022:** Iqbal SW, Latif M**, Ahmed R, Adnan S, Umar M, Ahmad B, Azam M, and Syed JH (2022). Performance Evaluation and Comparison of Observed and Reanalysis Gridded Precipitation Datasets over Pakistan. *Theoretical and Applied Climatology*. 149: 1093-1116. <https://doi.org/10.1007/s00704-022-04100-w> (IF: 3.179)
- Feb/2022:** Imtiaz I, Umar M, Latif M**, Ahmed R, and Azam M (2022) Landslide susceptibility mapping: improvements in variable weights estimation through machine learning algorithms—a case study of upper Indus River Basin, Pakistan. *Environmental Earth Sciences*. 81(4): 1-14. <https://doi.org/10.1007/s12665-022-10233-y> (IF: 2.784)
- Jan/2022:** Jae Eun Lee, Muhammad Azam, Saif Ur Rehman, Muhammad Waseem, M. Naveed Anjum, Arslan Afzal, M.J.M Cheema, Muhammad Mehtab, Muhammad Latif, Rehan Ahmed, Muhammad Umar, Abid Sarwar, Syed Aziz Ur Rehman (2022). Spatio-temporal variability of drought characteristics across Pakistan. *Paddy and Water Environment*. 20(1): 117-135. <https://doi.org/10.1007/s10333-021-00881-4> (IF: 1.517)
- Jan/2022:** Dar MA, Ahmed R, Latif M, and Azam M (2022) Climatology of dust storm frequency and its association with temperature and precipitation patterns over Pakistan. *Natural Hazards*. 110(1): 655-677. <https://doi.org/10.1007/s11069-021-04962-9> (IF: 3.102)
- Oct/2021:** Malik S, Ahmed R, Latif M, Azam M, Haroon E, and Iqbal MB (2021) Convective Available Potential Energy in Pakistan and its Association with precipitation and temperature. *Theoretical and Applied climatology*. 146(1): 191-212. <https://doi.org/10.1007/s00704-021-03709-7> (IF: 3.179)
- Feb/2021:** Qaiser G, Tariq S, Adnan S, and Latif M (2021) Evaluation of a Composite Drought Index to identify seasonal drought and its associated atmospheric dynamics in Northern Punjab, Pakistan. *Journal of Arid Environments*. 185: 104332. <https://doi.org/10.1016/j.jaridenv.2020.104332> (IF: 1.830)
- Feb/2021:** Adnan S, Hanif M, Khan AH, Latif M, Ullah K, Bashir F, Kamil S, and Haider S (2021) Impact of Heat Index and Ultraviolet Index on COVID-19 in Major Cities of Pakistan. *Journal of Occupational and Environmental Medicine*. 63(2): 98-103 (IF: 1.644)
- Aug/2020:** Kamis AS, Alwagdani A, Bahrawi J, Latif M, Elfeki A, and Hannachi A (2020) Effect of Reservoir Models and Climate Change on Flood Analysis in Arid Regions. *Arabian Journal of Geosciences*. 13(16): 1-16. <https://doi.org/10.1007/s12517-020-05760-6> (IF: 1.327)
- Apr/2020:** Pongpiachan S, Surapipith V, Hashmi MZ, Latif M, Sohail M, Eqani SAMAS, Charoenkalunyuta T, and Promdee K (2020) Latitudinal Transects and Quantitative Ecological Risk Assessments of Polycyclic Aromatic Hydrocarbons in Terrestrial Soils of Pakistan and King George Island, Antarctica. *Polycyclic Aromatic Compounds*. <https://doi.org/10.1080/10406638.2020.1751666>. (IF: 1.237)

- Apr/2020:** Ain NU, Latif M**, Ullah K, Adnan S, Umar M, and Azam M (2020) Investigation of Seasonal Droughts over the Potwar Plateau of Pakistan. *Theoretical and Applied Climatology*. 140(1): 69-89. <https://doi.org/10.1007/s00704-019-03064-8>. (IF: 2.720)
- Apr/2020:** Fayyaz A, Adnan S, and Latif M (2020) Impacts of Winter Jet Stream and Associated Mechanisms over Winter Precipitation Variability Modes over Pakistan. *Meteorology and Atmospheric Physics*. 132(2): 225-238, <https://doi.org/10.1007/s00703-019-00683-8>. (IF: 1.656)
- Jan/2020:** Azam M, Jin MS*, Kang YH, Lee JE, Hwang J, Latif M, Umar M, Ahmed R, and Hashmi MZ (2020) Spatiotemporal Trends in Reference Evapotranspiration over South Korea. *Paddy and Water Environment*. 18(1): 235-259. <https://doi.org/10.1007/s10333-019-00777-4>. (IF: 1.264)
- Dec/2019:** Syed FS, Latif M, Al-Maashi A, and Ghulam A (2019) Regional Climate Model RCA4 Simulations of Temperature and Precipitation over the Arabian Peninsula: Sensitivity to CORDEX domain and Lateral Boundary Conditions. *Climate Dynamics*. 53(11): 7045-7064. <https://doi.org/10.1007/s00382-019-04974-z>. (IF: 4.048)
- Aug/2019:** Pongpiachan S, Deelaman W, Choochuay C, Iadtem N; Surapipith V, Hashmi MZ, Latif M, Sohail M, Eqani SAMAS, Charoenkalunyuta T, and Promdee K (2019) Data Relating to Spatial Distribution of Polycyclic Aromatic Hydrocarbons in Terrestrial Soils of Pakistan and King George Island, Antarctica. *Data in Brief*. 25: 104327. <https://doi.org/10.1016/j.dib.2019.104327> (IF: 1.133)
- Jul/2019:** Rehan A, Latif M**, and Adnan S (2019) Thunderstorm Frequency Distribution and Associated Convective Mechanisms over Pakistan. *Theoretical and Applied Climatology*. 137(1-2): 755-773. <https://doi.org/10.1007/s00704-018-2619-x>. (IF: 2.720)
- Apr/2018:** Latif M**, Hannachi A, and Syed FS (2018) Analysis of Rainfall Trends Over Indo-Pakistan Summer Monsoon and Related Dynamics Based on CMIP5 Climate Model Simulations. *International Journal of Climatology*. 38(S1): e577-e595. <https://doi.org/10.1002/joc.5391>. (IF: 3.601)
- Jan/2018:** Asmat U, Athar H, Nabeel A, Latif M (2018) An AOGCM Based Assessment of Interseasonal Variability in Pakistan. *Climate Dynamics*. 50(1): 349-373. <https://doi.org/10.1007/s00382-017-3614-0>. (IF: 4.048)
- Jun/2017:** Latif M**, Syed FS, and Hannachi A (2017) Rainfall trends in the South Asian summer monsoon and its related large-scale dynamics with focus over Pakistan. *Climate Dynamics*. 48(11): 3565-3581. <https://doi.org/10.1007/s00382-016-3284-3>. (IF: 3.774)
- Aug/2016:** Latif M**, Syed FS (2016). Determination of summer monsoon onset and its related large-scale circulation characteristics over Pakistan. *Theoretical and Applied Climatology*. 125(3): 509-520. <https://doi.org/10.1007/s00704-015-1530-y>. (IF: 2.640)
- Apr/2016:** Latif M**, Syed FS, Hannachi A (2016). Rainfall Trends over the Indo-Pak Summer Monsoon and Related Large-Scale Dynamics. *Geophysical Research Abstracts*, Vol. 18, EGU2016-18334, 2016. EGU General Assembly 2016.
- Jul/2013:** Khan MS, Naqvi MR, Khan MA, Latif M, Ullah K, Khan RD, Wali R, Leitgeb E (2013 July) Optical attenuation estimation from measured visibility data in Islamabad, Pakistan. In Network and Optical Communications (NOC), 2013 18th European Conference on and Optical Cabling and Infrastructure (OC & i), 2013 8th Conference on (pp. 203-208). IEEE.
- Jun/2023:** Amna Bibi, Shahzada Adnan, and Muhammad Latif (2022) Diagnostic Study on Extreme Precipitation over Karachi During August 2020. *Meteorology and Atmospheric Physics*. (revision submitted)

Nov/2023: Muhammad Azam, Muhammad Nauman Altaf, Muhammad Waseem, Muhammad Naveed Anjum, Arslan Afzal, Fiaz Hussain, Jae Eun Lee, Rehan Ahmed, Muhammad Latif, Seol A Kwon, Ke Zhang, Lin Dong, and Wei Lu (2023) Bivariate Risk Evaluation of Drought Across Balochistan, Pakistan. *Heliyon*. (revision submitted)

Jan/2024: Muhammad Latif**, Hira Shireen, Shahzada Adnan, Rehan Ahmed, Rashed Mahmood, and Abdelwaheb Hannachi (2024) Drought Variability in Pakistan: Historical Patterns and Global Teleconnections. *Natural Hazards*. (under review)

Manuscripts in Preparation:

Feb/2024: Sumar Munir, Muhammad Latif**, Shahzada Adnan, and Burhan Ahmad (2024) Assessing the Reliability of Satellite-Derived Precipitation Estimates for Drought Identification in Pakistan. (in progress)

Feb/2024: Muhammad Latif**, Ukkasha Sheikh, Amna Bibi, and Shahzada Adnan (2024) Droughts in the Thal Region of Pakistan: Occurrence, Mechanisms, and Future Projections. (in progress)

Feb/2024: Asmad Hussain, Muhammad Latif**, and Shahzada Adnan (2024) Analysis of Dry/Wet Conditions in South Asia using Standardized Precipitation Index and Global Teleconnections. (in progress)

Reports

Oct/2021: Ahmed, W., Ejaz, M. S., Memon, U., Khair, S., Khilji, A. R., Tarin, R., Ahmad, F., Qureshi, A. L., Khan, M. R., Amin, M., Latif, M., Ahmed, M., & Punthakey, J. F. (2021). *Improving groundwater management to enhance agriculture and farming livelihoods: Groundwater model for Kuchlak Sub-basin, Balochistan*. (ILWS; No. 160). Institute for Land, Water and Society.

Teaching

Teaching/taught the following courses at postgraduate and undergraduate levels in the Department of Meteorology, Department of Physics, and Department of Mathematics, COMSATS University Islamabad:

MS/PhD level | Programming for Meteorologists (MET669), General Meteorology (MET615), Climatology (MET624), Advanced Applied Climatology (MET745), Atmospheric Thermodynamics (MET675), and Tropical and Synoptic Meteorology (MET677)

BS level | Satellite Remote Sensing (MET201), Meteorology (MET101), Climatology (MET105), and Fundamentals of Environmental Sciences (ENV101)

(Please visit the following webpage for more details (e.g., course title, type, semester, etc.): <https://ww2.comsats.edu.pk/faculty/FacultyDetails.aspx?Uid=646>)

Student Supervision

Semester SP-2024 / MS Meteorology (in progress)
Student Name: Mr. Muhammad Asif
Research Title Predicting Future Trends of Heatwaves in Pakistan using Climate Model Simulations

Semester SP-2024 / MS Remote Sensing and GIS (in progress)
Student Name: Mr. Hammad Shahid Qureshi
Research Title Assessing NDVI Variability Over Pakistan in the Changing Climate

Semester SP-2023 / MS Remote Sensing and GIS
Student Name: Ms. Attia Rafiq
Research Title Unraveling the Mechanisms Behind Extreme Precipitation During Monsoon 2022 in Pakistan

Semester SP-2023 / MS Remote Sensing and GIS

Student Name:	Mr. Asmad Hussain
Research Title	Analysis of Dry/Wet Conditions in South Asia and Associated Global Teleconnections
Semester	SP-2023 / MS Remote Sensing and GIS
Student Name:	Ms. Sumar Munir
Research Title	Assessing the Reliability of Satellite-Derived Precipitation Estimates for Drought Identification in Pakistan
Semester	FA-2023 / MS Meteorology
Student Name:	Ms. Momina Abid
Research Title	Future Projections of Temperature and Precipitation for South Asia using a Regional Climate Model
Semester	FA-2023 / MS Remote Sensing and GIS
Student Name:	Mr. Syed Husnain Shah
Research Title	Evaluation of Satellite-Derived Products to Detect Precipitation Patterns, Extremes, and Drought Over Pakistan
Semester	FA-2023 / MS Meteorology
Student Name:	Ms. Romeen Sohail
Research Title	Localized Changes in Heatwave Dynamics Across Pakistan and Large-Scale Climate Patterns
Semester	FA-2023 / MS Meteorology
Student Name:	Mr. Muhammad Hashim
Research Title	Comparison of CMIP5 and CMIP6 Model Performance in Simulating South Asian Summer Monsoon Characteristics
Semester	FA-2022 / MS Meteorology
Student Name:	Ms. Hira Shireen
Research Title	Historical Drought Patterns over Pakistan and their Association with Global Teleconnections
Semester	SP-2022 / MS Meteorology
Student Name:	Mr. Mubahil Ahmad
Research Title	Comparison of CMIP5 and CMIP6 Models in Simulating Drought Conditions Over Pakistan
Semester	FA-2021 / MS Meteorology
Student Name:	Ms. Ukkasha Sheikh
Research Title	Droughts over Thal Region of Pakistan: Occurrence, Associated Mechanisms and Future Projections
Semester	FA-2021 / MS Remote Sensing and GIS
Student Name:	Mr. Pervaiz Iqbal
Research Title	Rainfall Variability and Its Effects on Crop Yield in the Agricultural Plains of Punjab, Pakistan.
Semester	SP-2021 / MS Meteorology
Student Name:	Ms. Momel Zoon
Research Title	Spatio-Temporal Analyses of Temperature and Equivalent Temperature and Their Link to Different Land-Cover Types Over Pakistan.
Semester	SP-2020 / MS Meteorology
Student Name:	Mr. Sayed Waseem Iqbal
Research Title	Performance evaluation of observed and reanalysis gridded precipitation datasets over Pakistan.
Semester	FA-2018 / MS Meteorology
Student Name:	Ms. Noor-Ul-Ain
Research Title	Investigation of Seasonal Droughts over the Potwar Plateau of Pakistan.
Date	SP-2012 / MS Meteorology

Student Name: Mr. Ifran Ahmad
Research Title: Diagnosis and Prediction of Fog Formation in the Plains of Punjab.

Academic Honors, Awards and Achievements

- 14-29 Oct, 2019 Invited and sponsored by the Institute of Desert Meteorology (IDM), China Meteorological Administration (CMA), to participate (as a speaker) in an international workshop “Fifth International Workshop of Meteorological Science and Technology in Central Asia” in Nanjing, **China**.
- 18-31 Mar, 2019 Invited and sponsored by the Department of Meteorology, Stockholm University (MISU), under International Meteorological Institute (IMI) program for the duration of two weeks to discuss and initiate possible scientific research collaboration with MISU, **Sweden**.
- 15 Aug – 16 Mar, HEC-based scholarship “*International Research Support Initiative Program (2015 – 16) (IRSIP)*” to undertake part of PhD research work at the Department of Meteorology (MISU), Stockholm University, **Sweden**.
- 23 Jun – 4 Jul, 2014 Sponsored by ICTP to participate in activity titled “*Targeted Training Activity (TTA): Challenges in Monsoon Prediction*” at Abdus Salam International Centre for Theoretical Physics (ICTP), Trieste, **Italy**.
- 21 – 31 Oct, 2013 Sponsored by ICTP to participate in activity titled “*Weather Regimes and Weather Types in the Tropics and Extra-tropics: Theory and Application to Prediction of Weather and Climate*” at ICTP, **Italy**.
- 31 Mar – 6 Apr, 2013 Short-term training course sponsored by Vaisala Oyj on the “*Maintenance, Installation, and Reconfiguration of Vaisala’s advanced Meteorological Instruments*” at Helsinki, **Finland**.
- Jan 2009 – May 2009 CUI-based scholarship to undertake MS research work titled “*Estimation of Atmospheric Water Vapors using GPS Technology*” in the Department of Geology, University of Illinois at Urbana-Champaign (UIUC), **USA**.
- Sep 2007 – Jul 2009 Obtained full merit scholarship from CUI for the degree of *Master of Science (MS) in Meteorology* in the Department of Meteorology, CUI, Islamabad, **Pakistan**.

Invited Talks, Trainings, and Workshops

- 21 – 22 Feb, 2024 Talk entitled “**Climate-Induced Drought Variability in Pakistan and Large-Scale Circulation Patterns**”, delivered at an international workshop on Droughts over Pakistan in the Changing Climate, organized by the Pakistan Meteorological Department (PMD) at Islamia University Bahawalpur (IUB), Pakistan.
- 25 – 27 Oct, 2023 Talk entitled “**Climate-Induced Drought Patterns in Pakistan: Variability, Trends, and Global Teleconnections**”, delivered at an international conference, jointly organized by Quaid-I-Azam University (QAU), the Chinese Academy of Sciences (CAS), the Higher Education Commission of Pakistan (HEC), the China-Pakistan Joint Research Center on Earth Sciences (CPJRC), and the Pakistan Academy of Sciences at QAU, Islamabad.
- 9 Jun, 2023 Talk entitled “**South Asian Summer Monsoon and Climate Change Impacts in Pakistan: Insights from 2022**”, delivered in a seminar organized by the Department of Meteorology, at seminar hall, Business Incubation Center (BIC), COMSATS University Islamabad (CUI), Islamabad Campus.
- 6 Jan, 2023 Talk entitled “**Research and Career Opportunities in Meteorology and Climate Science in Pakistan**”, given in a seminar organized by the Department of Meteorology, at seminar hall, Business Incubation Center (BIC), COMSATS University Islamabad (CUI), Islamabad Campus.
- 6 Jul, 2022 Talk entitled “Dynamics of South-Asian Summer Monsoon System with Focus Over

Pakistan” given in **8th National Monsoon Forum** organized by Pakistan Meteorological Department (PMD) and Regional Integrated Multi-Hazard Early Warning System for Africa and Asia (RIMES), held at Ramada Hotel, Islamabad, Pakistan.

- 5 – 7 Jul, 2022 Talk entitled “Monitoring Drought in Pakistan: Teleconnections and Uncertainties in Changing Climate” given in virtual capacity building workshop on **Establishment of ECO-SDI to Combat the Challenge of Food Security in the ECO region** organized by Survey of Pakistan, Ministry of Defense at Survey Training Institute (STI), Islamabad, Pakistan.
- 14 – 29 Oct, 2016 Training workshop on “**Shanghai Cooperation Organization (SCO) Advanced International Training Course on Meteorological and Disaster Prevention Technology**” organized by the Institute of Desert Meteorology (IDM), China Meteorological Administration (CMA), Nanjing, China.
- 23 – 24 Aug, 2016 Training workshop on “**Transition to Latest Version of QMS ISO 9001:2015**” organized by COMSATS University Islamabad (CUI), and conducted by Constech-Pakistan.
- 8 – 10 Dec, 2014 Training workshop on “**Research Methods and Techniques for Pure Sciences**” organized by the Faculty Development Academy (FDA), COMSATS Headquarters, Islamabad.
- 31 Jan – 2 Feb, 2011 Training workshop on “**Curriculum Planning & Assessment**” organized by the Higher Education Commission (HEC) at CUI, Islamabad.
- 29 Jul – 1 Aug, 2011 Training workshop on “**Communication Skills**” organized by the Higher Education Commission (HEC) at CUI, Islamabad.
- 10 Oct – 4 Nov, 2011 **First pre-service training course** organized by the Faculty Development Academy (FDA), COMSATS Headquarters, Islamabad.

Professional services

Journal Reviewer- Tellus A: Dynamic Meteorology & Oceanography, Climatic Change, Quarterly Journal of the Royal Meteorological Society, Journal of Water and Climate Change, and Earth Systems and Environment

External Examiner for PhD/MS/BS thesis evaluation- Arid Agriculture University, Rawalpindi and Bahria University, Islamabad.

Computing Skills

Prog. Languages: Grid Analysis and Display System (GrADS) and Climate Data Operators (CDO). Capable of effectively utilizing NCAR Command Language (NCL), MATLAB, and R programming languages for climate research.

Operating Systems: Linux (Ubuntu) and Windows

Service Work at Department of Meteorology, CUI, Islamabad

Fall14 – present: Member, Quality Assurance & Assessment Process of Academic Programs
Responsibilities: preparation, revision, and submission of document (assessment of departmental facilities, program need, teacher’s/student’s evaluation, self-assessment reports, etc. for MS/PhD programs) to Quality Enhancement Cell (QEC).

Spring16 – present: International Organization for Standardization (ISO) coordinator
Responsibilities: preparation, revision, and submission of document (SOPs, departmental Objectives, JDs, etc.) as per ISO 9001:2015 standards) on DOC Mate

software.

- Fall09 – present:** Member, Automatic Weather Station (AWS) maintenance committee
Responsibilities: installation, maintenance, and data acquisition of meteorological instruments installed at Meteorological observatory, CUI, Islamabad.
- Fall23 – present:** Web Coordinator
Responsibilities: The primary responsibilities involve maintaining and updating the departmental web portal and faculty profiles, as well as coordinating with faculty and staff to gather updated information for updating the web portal, and so forth.
- Fall14 – present:** Member, Proctorial Board & Disciplinary committee
Responsibilities: ensuring the proper observation of student's code of conduct such as student's attire, smoking, disorderly/offensive behavior, littering, gambling, etc.)
- Fall18 – present:** Member, Departmental Academic Review Committee (DARC)
Responsibilities: to manage and streamline the academic issues (ensuring class timings, course folder maintenance, lecture as per course contents, monitoring of classes, etc.) of the Department.
- Fall18 – present:** Member, Admission Affairs campaign committee
Responsibilities: projecting the calls for admission to different organizations and platforms, conducting interviews, and preparing the final lists of selected candidates.
- Fall17 – present:** Preparation of departmental progress reports
Responsibilities: assigned duty to prepare departmental weekly, monthly, and annual progress reports.
- Spring14 – Fall16:** Member, Departmental/Guest Seminar Committee
Responsibilities: contact with resource person/speaker and to ensure the necessary arrangements for the seminar.
- Fall14 – Spring18:** Departmental sports coordinator
Responsibilities: organizing sports events (faculty and students) during student's week, attending sports meetings, and other sports related duties assigned by the in-charge.
- Spring16 – Fall18:** Member, Departmental IT related matters committee
Responsibilities: ensuring the proper working of IT equipment (computers, printers, internet connectivity, etc.)
- Fall14 – Spring16:** Departmental web affairs in-charge
Responsibilities: timely up-gradation of the departmental activities (seminar/event, achievement/award, addition/removal of information, weather forecast, and other news related to departmental progress) on COMSATS web-portal.

References

Dr. Kalim Ullah (Chairman)
Department of Meteorology
COMSATS University Islamabad (CUI), Pakistan
Email: kalim_ullah@comsats.edu.pk

Dr. Syed Faisal Saeed (Director)
National Drought Monitoring Centre (NDMC)
Pakistan Meteorological Department (PMD)
Email: faisal.met@gmail.com