



Mehvish Majeed

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ABOUT MYSELF

"Driven Ph.D. candidate in Geography specializing in paleoclimatology using tree rings, integrating isotopic, quantitative wood anatomy and blue intensity to look into environmental histories"

WORK EXPERIENCE

 **ADAM CSANK** – RENO, UNITED STATES

GRADUATE RESEARCH ASSISTANCE – 01/05/2023 – CURRENT

- Collecting tree ring samples at different sites for paleoclimatology research projects
- Preparing and measuring tree ring data using lab methods and programs
- Analyzing the data and reconstruct climate histories and predict potential tree growth impacts with changing climatic conditions

 **PROF. DR. EMANUELE ZIACO** – MAINZ, GERMANY

GRADUATE RESEARCH EXCHANGE – 20/02/2025 – 10/04/2025

Quantitative wood anatomy Lab work
Using software like Roxas
Writing the manuscript for the project
Presentations and discussions

 **PROF. DR. RAMZI TOUCHAN** – TUCSON, UNITED STATES

GRADUATE RESEARCH EXCHANGE – 01/05/2025 – 31/05/2025

Blue Intensity Lab work on Mediterranean region samples from archive
Using software for measurements and analysis
Presentation and Discussions

 **DR. BJÖRN GÜNTHER** – DRESDEN, GERMANY

RESEARCH ASSISTANCE – 01/12/2022 – 28/12/2022

Scientific assistance in setting up the CFEA (optimization of methods, validation)

 **DR. BRITT KNIESEL** – DRESDEN, GERMANY

RESEARCH ASSISTANCE – 01/09/2022 – 30/11/2022

- Analyzing tree ring data collected by dendrometers using R program

 **DR. MUHAMMAD ABDULLAH** – BAHAWALPUR, PAKISTAN

INTERNEE AT CHOLISTAN INSTITUTE OF DESERT STUDIES (CIDS) – 01/08/2019 – 30/09/2019

Collect seeds of different grass species for the conservation of native flora of the Cholistan desert, strengthening of field based observation to sustain desert ecosystem.

 **DR. TANVEER HUSSAIN TURABI** – BAHAWALPUR, PAKISTAN

VOLUNTEER AT LAL SUHANRA NATIONAL PARK – 01/06/2019 – 01/07/2019

Identification of various Trees and Animals
Observation of Chinkara & Black Buck Deer in the Enclosure
Practicing Forest Biometrics at the beginning level

● **EDUCATION AND TRAINING**

08/01/2024 – 09/01/2024 Tucson, United States

OPENDENDRO BOOTCAMP Laboratory of Tree Ring - The university of Arizona

Website <http://www.arizona.edu/>

30/07/2023 – 13/08/2023 Amman, Jordan

TREE RINGS, CLIMATE, AND NATURAL RESOURCES SUMMER SCHOOL American Center of Research, Jordan & The University of Arizona, USA

I participated in the course and also served as a instructor in the scanning of tree-ring core samples and the use of the tree-ring programs CooRecorder and CDendro. I also helped in performing various organizational tasks that contributed to a smooth running of the course.

Website <https://acorjordan.org/> | **Field of study** Paleoclimatology |

Thesis CLIMATE RECONSTRUCTION USING TREE-RING CHRONOLOGIES FROM JORDAN AND THE EASTERN MEDITERRANEAN REGION

01/05/2023 – CURRENT Reno, United States

PH.D. GEOGRAPHY University of Nevada, Reno

Website <https://www.unr.edu/>

11/12/2022 – 16/12/2022 Zurich, Switzerland

INTERNATIONAL COURSE ON WOOD ANATOMY & TREE-RING ECOLOGY Swiss Federal Institute for Forest, Snow and Landscape Research

24/07/2022 – 07/08/2022 Tucson, United States

TREE RINGS, CLIMATE, AND NATURAL RESOURCES SUMMER SCHOOL The University of Arizona, USA & Kastamonu Üniversitesi, Turkey

Address 85721, Tucson, United States

15/08/2021 – 26/08/2021 Dresden, Germany

SUMMER SCHOOL Technische Universität Dresden

Address Dresden University of Technology, 01069, Dresden, Germany | **Website** <https://tu-dresden.de> |

Thesis Analyze and elaborate the past, current and assumed future contribution of Spruce (Picea abies) to European Forestry and the existing and emerging policy responses from the perspective of the wood industry.

Link <https://tropicalforestry.wordpress.com/2021/10/26/sutrofor-field-school-goes-saxony-what-comes-after-the-spruce/>

01/10/2021 – CURRENT Dresden, Germany

MASTERS IN SUSTAINABLE TROPICAL FORESTRY (SUTROFOR) Technische Universität Dresden

Address Dresden University of Technology, 01069, Dresden, Germany | **Website** <https://tu-dresden.de>

01/09/2020 – 01/07/2021 København, Denmark

MASTERS IN SUSTAINABLE TROPICAL FORESTRY (SUTROFOR) Københavns Universitet

Address Nørregade 10, 1165, København, Denmark | **Website** <https://www.ku.dk>

25/05/2022 – 29/06/2022

WORKSHOP ON SUSTAINABLE FINANCE AND IMPACT INVESTING DAAD organization, Germany

Website <https://welt-weit.org/en/workshop/sustainable-finance-and-impact-investing-online-workshop-2022/>

Forest Ecology and Silviculture, Range Management, Mountain Forestry and Watershed Management, Wildlife and Ecosystem, Communication Skills and Leadership Management, Wood Science, Forest/Range/Wildlife Policies and Laws, Afforestation of Degraded Lands.

Address University Chock Old Campus, 63100, Bahawalpur, Pakistan | **Website** <https://www.iub.edu.pk> |

Field of study Forestry, Range and Wildlife Management | **Final grade** 3.95/4.00 CGPA | **Number of credits** 240

16/01/2018 – 17/01/2018 Bahawalpur, Pakistan
WORKSHOP ON CHALLENGES AND SOLUTIONS FOR THE INTEGRATED MANAGEMENT OF DESERT ECOSYSTEM Cholistan Institute of Desert Studies (CIDS)

Address Bagdhad Campus, Bahawalpur, 63100, Bahawalpur, Pakistan |

Website <https://www.iub.edu.pk/cholistan-institute-of-desert-studies?menu=cholistan-institute-of-desert-studies>

● **LANGUAGE SKILLS**

Mother tongue(s): **PANJABI; PUNJABI**

Other language(s):

	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken production	Spoken interaction	
URDU	C2	C2	C2	C2	C2
ENGLISH	C2	C2	C2	C2	C2
ARABIC	A1	C2	A1	A1	C2

Levels: A1 and A2: Basic user - B1 and B2: Independent user - C1 and C2: Proficient user

● **SKILLS**

creative writing | Microsoft Office | freelancing | ■ Experience in NetLogo; | ARC GIS | R / R Studio / R Markdown | Geographical Information Systems (GIS) | CDendro | Coorecorder | Adobe photoshop | Data Gathering, Data Processing, Data Visualization, Data Analysis | Softwares for dendrochronology statistical analysis (ARSTAN, COFECHA) | ARSTAN | SEASCORR | Scientific writing (scientific papers publication) | Isotopes analysis using C13 | Quantitative Wood Anatomy | Python Language - Basic knowledge | ROXAS

● **PUBLICATIONS**

2025
Dendroclimatological study of Pinus roxburghii growth variation along the elevation gradient in lesser Himalayas, Pakistan

Submitted to Tree Ring Research journal since December 2024 (first author).

2023
[ANALYSIS OF THE CLIMATE SIGNAL IN SUBANNUAL WIDTH MEASUREMENTS OF PINUS NIGRA TREE RINGS IN KASTAMONU PROVINCE, TURKEY](#)

Majeed et al., 2023 (1st Author)

2024
[PRECIPITATION RECONSTRUCTION USING TREE-RING CHRONOLOGIES FROM JORDAN AND THE EASTERN MEDITERRANEAN REGION](#)

Risley et al., 2024

2023

DENDROCHRONOLOGICAL ANALYSIS OF THE HISTORICAL FORTS LOCATED IN CHITRAL AND GILGIT-BALTISTAN, PAKISTAN

Imran et al., 2023 (Co-author)

2023

Temporal comparison of land-use changes and biodiversity in differential IUCN protected-area categories of Bangladesh in the context of co-management

Masum et al., 2023 (Co-author)

2022

Environmental sustainability assessment of softwood and hardwood seedlings production in forest nurseries: A case study from Pakistan

Yousaf et al., 2022 (Co-author)

2022

Yield, carbon stock, and price dynamics of agroforestry tree species in district Mardan, Khyber Pakhtunkhwa, Pakistan.

Usman et al., 2022 (Co-author)

2022

Dendrochronological study on *Pinus roxburghii* growth resilience with changing climatic conditions in lesser Himalayas, Pakistan.

Poster Presentation at AmeriDendro 2022

● **NETWORKS & MEMBERSHIPS**

01/11/2021 – CURRENT Tharandt, Germany

International Forestry Student Association (IFSA)

15/04/2022 – CURRENT

Tree Ring Society (ART)

Link <https://www.treeringsociety.org>

United States

American Association of Geographers

● **CONFERENCES & SEMINARS**

16/04/2024 – 20/04/2024 Hawaii, USA

American Association of Geographers 2024

Dendroclimatological study of *Pinus roxburghii* growth variation along the elevation gradient in lesser Himalayas, Pakistan

Link <https://www.aag.org/wp-content/uploads/2024/04/AAG-2024-PDF-program-FINAL.pdf>

27/06/2022 – 01/07/2022 Montral, Canada

AmeriDendro 2022

Tree ring Study, Modern Techniques like Isotopic analysis and wood densotometry for Dendrochronological research.

24/05/2022 – 27/05/2022 Erlangen, Germany

TRACE 2022

Tree rings in Archeology, Climatology and Ecology.

05/03/2022 – 05/03/2022 Online

Conservation and planning strategies for Sustainable Development: A Global Perspective

Insightful event in order to sensitize the community about the recent conservation and planning strategies and obtain the views from academia, scientific research groups, industry and other stakeholders.

27/01/2022 – 30/01/2022 Online

International Society of Tropical Foresters (ISTF) 2022

29/11/2021 – 03/12/2021 Online

FAO Council 168

23/03/2025 – 30/03/2025 Detroit, United States

American association of Geographers

Presentation on "**Dendroecology of Quaking Aspen (*Populus tremuloides*) in Mahogany Creek: Investigating Climate Adaptation Mechanisms Through $\delta^{13}\text{C}$ Isotopic and Quantitative Wood Anatomy Analysis**"

● **RECOMMENDATIONS**

Dr. Tanveer Hussain Turabi Professor/Chairman department of Forestry, Range and Wildlife Management

He was my professor for multiple courses during my Bachelore Degree.

Email dr.tanveer@iub.edu.pk | **Phone** (+92) 9440585062

Link <https://www.iub.edu.pk/author/DrTanveer.Hussain>

Dr. David M Meko Professor Emeritus

Professor David has been my mentor and supervisor for my dendrochronology summer school for 2022 and 2023 projects in Turkey and Jordan.

Email dmeko@arizona.edu | **Phone** (+1) 5206213457

Link <https://profiles.arizona.edu/person/dmeko>

Dr. Adam Csank Geography Department Chair, Associate Professor

Professor Adam is my mentor and supervisor for my Ph.D. research projects since May 2023.

Email acsank@unr.edu | **Phone** (+1) 7757846663

Link <https://www.unr.edu/geography/people/adam-csank>

● **HONOURS AND AWARDS**

06/03/2025

THE AGS COUNCIL FELLOWSHIP – American Geographical society

Link https://www.linkedin.com/posts/american-geographical-society_geography-geospatial-gis-activity-7324132872657756160-MUza?utm_source=share&utm_medium=member_desktop&rcm=ACoAADVzmVEBSQJcrzflHOAbTeA3r6xjwTGLcNk

15/02/2025

Graduate Student Research Award RFP – University of Nevada, Reno

I have been awarded 2000\$ to work on Blue Intensity on Mediterranean tree samples at the University of Arizona, USA.

14/01/2025

Jonathan O. Davis Scholarship – Desert Research Insitute

I have been awarded 5000\$ to do Quantitative Wood Anatomy work on White bark Pine tree samples from Greater Basin. The funds cover the lodging and training cost at Johannes Gutenberg Universität Mainz, Germany.

16/04/2023

Conference Assistantship – American Association of Geographers 2024

22/01/2025

Graduate Student Association Travel Award – University of Nevada, Reno

I have been granted 750\$ to cover flight expenses to get my graduate research exchange training at Johannes Gutenberg Universität Mainz, Germany.

10/04/2024

Graduate Student Association Travel Award – University of Nevada, Reno

I was awarded 500\$ for AAG 2024 participation and presentation.

01/07/2023

Graduate Student Association Travel Award – University of Nevada, Reno

I was awarded 750\$ to cover my travel cost for Tree Rings, Climate, and Natural Resources Summer School happened in Amman, Jordan 2023.

01/07/2023

Intensive Summer School (Tree Rings, Climate, and Natural Resources Summer School) – American Research Institute

I have been granted full scholarship to attend summer school at american research center.

06/06/2022

Intensive Summer Course – The University of Arizona, United States

I have been granted full scholarship to attend Intensive Summer School happening between 24th July 2022 to 7th August 2022 at Kastamonu University, Turkey.

20/07/2022

FOSTER – Funds for Student Research – Technische Universität Dresden, Germany

I have been granted 1070 euros to cover my travel cost to attend "Tree Rings, Climate, and Natural Resources Summer School" hosted at Kastamonu University in Turkey.

20/10/2022

FOSTER - Funds for Student Research – Technische Universität Dresden, Germany

I have been granted 1300 euros to cover my registration fee as well as my travel cost.

Link <https://www.wsl.ch/de/ueber-die-wsl/veranstaltungen-und-besuche-an-der-wsl/kurse/international-course-on-wood-anatomy-tree-ring-ecology-2019.html>

Gold Medal – The Islamia University of Bahawalpur

I have been awarded Gold Medal for securing highest CGPA during my Bachelor 2016-2020.

17/03/2020

Erasmus Mundus Scholarship – European Union

I have been granted Erasmus Mundus Scholarship for my Joint Masters Degree Program during 2020-2022.

23/01/2019

Highest CGPA – The Islamia University of Bahawalpur

● **MANAGEMENT AND LEADERSHIP SKILLS**

Young Entrepreneur Summit 2019

● **COMMUNICATION AND INTERPERSONAL SKILLS**

Regional Council Representative at IFSA Tharandt LC
