



Hassan Rahnaward Ghulami

Date of birth: 13/01/1983 | **Nationality:** Afghan | (+39) 3792996630 |

Hassan.r.gh@gmail.com | hassan.rahnaward@unibo.it |

Via Celoria, 2, Department of Agricultural and Environmental Sciences - Production, Landscape, Agroenergy., 20133, MILANO (MI), Italy

About me:

I have been worked more than 17-years as senior lecturer at Bamyan University-Afghanistan, as education officer at Save the children Sweden-Norway, as research fellow at International Centre for Genetics Engineering and Biotechnology (ICGEB-Trieste, Italy), as visiting scholar at risk at University of Milan (UNIMI), and currently working as research fellow at University of Bologna (UNIBO). It is my dream to pursue my Ph.D in Social Data Science with the ultimate goal of continuing as academic employer and do research at a university level. In the years that I have spent as senior lecturer I have discovered a strong passion for teaching and research. I have thrived in the rich intellectual climate of academia, and I want to contribute more actively to it. I have strong interests in the field of quantitative research in social science which compel me to pursue further research in this area. My current research involves investigating the "Statistical Models and Methods for Student Performance Evaluation", and the modelling and quantitative methods becomes extremely relevant concepts to investigate the mentioned topic.

WORK EXPERIENCE

01/03/2005 – CURRENT – Bamyan, Afghanistan

SENIOR LECTURER – BAMYAN UNIVERSITY

- Supervised graduate students' projects, mentored junior students in effective next-steps for educations and career preparedness, and advised on focus, methodology and report generation to meet preset standards.
- Used variety of learning modalities and support materials to facilitate the learning process of Probability, Statistics, and Applied Statistics and accentuate presentations.
- Authored well-regarded Introduction to Statistics and Probability using R, textbook to present credible information to undergraduate students.
- Conducted operational research, recorded and collected data, analyzed with in-person and remote collaborators and presented results in scholarly publications to further enhance knowledge.
- Designed and distributed lecture handouts to round out material and increase student understanding.
- Reporting.

20/03/2005 – 10/01/2010 – Bamyan, Afghanistan

HEAD OF MATHEMATICS DEPARTMENT – MATHEMATICS DEPARTMENT, FACULTY OF SCIENCE-BAMYAN UNIVERSITY

- Developed the strategies plan, following annual plan of mathematics department.
- Performed duties in accordance with applicable standards, policies and regulatory guidelines to promote safe working environment.
- Used team critical thinking to break down problems, evaluate solutions and make decisions.
- Offered friendly and efficient service to colleagues, students, and handled challenging situations with ease.
- On boarded new employees with training and new hire documentation.
- Conducted monthly inventories of raw materials and components on work floor.
- Directed staff and managed annual capital budget.
- Reporting

01/01/2008 – 31/12/2009 – Bamyan, Afghanistan

KEY TRAINER OF PEDAGOGY – BAMYAN UNIVERSITY AND (USAID-HIGHER EDUCATION PROJECT)

- Participated in three intensive mathematics pedagogy seminars, project management and proposal writing workshop and syllabus design training which are designed and conducted by Higher Education Project.
- Conducted any pedagogical workshop for faculties of Bamyan University which are prepared by USAID- Higher Education Project at Bamyan University.

01/01/2006 – 10/01/2010 – Bamyan, Afghanistan

TEAM LEADER OF INSTITUTIONAL DEVELOPMENT TEAM – BAMYAN UNIVERSITY AND (USAID-HIGHER EDUCATION PROJECT)

- Follow up and evaluate the academic activities of institutional development team at Bamyan University.
- Contributed the overall development of project assessments, initiatives and activities.
- Conducted any workshop, training and meeting to develop the annual strategic plan of Bamyan University.
- Carry out any other required tasks as assigned by the program manager.

10/01/2010 – 31/12/2010 – Bamyan, Afghanistan

EDUCATION COORDINATOR – SAVE THE CHILDREN SWEDEN NORWAY

- Planned and led required training session for teaching assistants and new composition teacher in high schools.
- Provided guideline and training opportunities to assist new hires in adjusting to the pace of work and the tone and style of the schools.
- Arranged meeting with head teachers, teachers, local shuras, parents and government authorities for smooth and efficient implementation of the programs.
- Encouraged local communities to allow their children to go to school, and to give them clear picture not to discriminate on the bases of the gender.
- Reporting.

24/11/2021 – 23/05/2022 – Trieste, Italy

RESEARCH FELLOW – INTERNATIONAL CENTRE FOR GENETICS AND ENGINEERING AND BIOTECHNOLOGY (ICGEB)

- Maintained high levels of confidentiality to protect data quality and project research.
- Followed best practices and scientific protocol to reach defensible conclusions based on solid evidence.
- Collaborated with genomic data set professionals to advance research and gain deeper understanding of topics.
- Compiled and clustered the genomic data in reports and other documents using R-Programming.
- Computed complex statistical analyses and interpreted data using R-Programming.

20/05/2022 – 02/10/2022 – Milan, Italy

VISITING SCHOLAR AT RISK – UNIVERSITA DEGLI STUDI DI MILANO (UNIMI)

- Contributed to the preparation of teaching materials for the use of R for statistical analysis of biological data, developing R-scripts for performing exercises in descriptive analysis and graphical representations of quantitative and qualitative data.
- Conducted a seminar on the introduction of the use of R as part of the course on Genetic Improvement and Biotechnology Applied to Animal Husbandry for Master degree students.
- Contributing to the analysis of FAO and European community statistical datasets on the consistencies of the principal ruminant species in different countries of the world to highlight their population trends over the last twenty years.

- Teaching the concept of applied statistics for those students who would be conduct his/her research in the fields of agricultural, biotechnological, genetics and environmental sciences.

● EDUCATION AND TRAINING

12/12/2012 – 07/01/2015 – Kuantan, Malaysia

MASTER OF SCIENCE (STATISTICS) – University Malaysia Pahang (UMP)

Address Temporary campus in Gambang, Pahang, Faculty of Industrial Sciences and Technology, 26300, Gambang Pahang, Kuantan, Malaysia

Website <https://fistsistec.ump.edu.my/index.php/en/> | **Final grade** M.Sc (Statistics) |

Thesis PARTIAL LEAST SQUARES PATH MODELLING OF UMP STUDENTS' ATTITUDES ON STATISTICS ACHIEVEMENTS

01/10/2009 – 11/2009 – Kabul, Afghanistan

TRAINING COURSE: THREE INTENSIVE MATHEMATICS PEDAGOGY SEMINARS – USAID- Higher Education Project (HEP), Indiana University and Kabul Kniversity

Address Jamal Mina Kabu, Karti-e-Sakhi street , Kabul, Afghanistan | **Website** <https://www.ku.edu.af/>

05/05/2008 – 02/06/2008 – Ho Chi Minh, Vietnam

TRAINING COURSE: EDUCATION MANAGEMENT FOR AFGHAN EDUCATIONAL LEADERS AND EDUCATORS. – Southeast Asian Ministers of Education Organization (SEAMOEO-Regional Training Center)

Address Ho Chi Minh, Vietnam | **Website** <https://www.vnseameo.org/>

01/03/2001 – 31/12/2004 – Kabul, Afghanistan

BACHELOR OF SCIENCE (MATHEMATICS) – Kabul University

Address Jamal Mina Kabul, Karti-e-Sakhi street, Kabul, Afghanistan | **Website** <https://www.ku.edu.af/> |

Final grade B.Sc (Mathematics)

● LANGUAGE SKILLS

Mother tongue(s): **PERSIAN**

Other language(s):

| | UNDERSTANDING | | SPEAKING | | WRITING |
|----------------|---------------|---------|-------------------|--------------------|---------|
| | Listening | Reading | Spoken production | Spoken interaction | |
| PASHTO | C1 | C1 | C1 | C1 | C1 |
| ENGLISH | C1 | C1 | B2 | C1 | C1 |
| ITALIAN | A1 | A2 | A1 | A1 | A1 |

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

● **DIGITAL SKILLS**

My Digital Skills

Qualitative and quantitative data analysis | Research and Analytical skills | Online survey tools | Data Science, Data Analytics, Data Visualization | Research and data analysis tools (Qualtrics, NVivo, Zotero, Data scraping methods, SPSS, R) | PLS-SEM | IBM AMOS (Structural Equation Modeling) | Microsoft Office, Microsoft Word, Microsoft Excel, Outlook, Facebook, Google

● **CONFERENCES AND SEMINARS**

14/10/2014 – 16/10/2014 – University Malaysia Terengganu -Terengganu City, Malaysia

The 10th IMT-International Conference on Mathematics, Statistics and its Application (ICMSA 2014)

Topic: Gender, Attitudes and achievement in statistics courses.

<https://conferencealerts.com/show-event?id=132900>

12/08/2014 – 14/08/2014 – University Malaysia Pahang - Kuantan City, Malaysia

the 2nd ISM International Statistical Conference 2014 with Application in Science and Engineering (ISM-II 2014)

Topic: Comparative analysis of positive and negative attitudes toward statistics; AIP - Conference proceeding

<https://aip.scitation.org/doi/abs/10.1063/1.4907418>

28/05/2014 – 30/05/2014 – University Science Malaysia - Penning City, Malaysia

The International Conference on Mathematics, Engineering & Industrial Application 2014 (ICoMEIA 2014)

Topic: Students' attitudes towards learning statistics, AIP-Conference proceeding.

<https://conferencealerts.com/show-event?id=124552>

05/03/2014 – 06/03/2014 – Kuantan City, Malaysia

Creation, Innovation, Technology & Research Exposition (CITREX-2014) | University Malaysia Pahang

Topic: Modelling of Students attitudes Toward learning in Statistics: A case Study in UMP.

22/06/2022 – 24/06/2022 – University of Padova, Italy

LIBERTAS Spaces and Practice of Academic Freedom, - June 2022

<https://800anniunipd.it/en/event/sar-libertas/>

● **HONOURS AND AWARDS**

12/12/2012

Scholarship – Strengthen of Higher Education Project (SHEP) and Ministry of higher education of Afghanistan

Fully funded scholarship to pursue my master degree within (2013-2015), at the University of Malaysia Pahang (UMP)

06/03/2014

Bronze Medal: Poster presentation – University Malaysia Pahang

My poster presentation qualified by panel with honors and ranking 3rd (Bronze Medal) among postgraduate students at University Malaysia Pahang (March, 2014).

Best Paper Award-2018 – International Journal of Innovative Research and Scientific Studies

My paper awarded the “Best Paper Award-2018” by International Journal of Innovative Research and Scientific Studies.

27/02/2017

Research Grant (MoHE/HEDP/IRP/ 54 -2017): – Ministry of Higher Education and Higher Education Project

My research proposal entitled: Relationship between Internet Addictions and Academic Performance among Afghans University Students.

22/12/2019

Research Grant (MoHE/HEDP/IRP/55-2019) – Ministry of Higher Education and Higher Education Project

Topic: Facebook Addiction among Afghan University Students: A Structural Equation Modelling

22/12/2019

Research Grant (MoHE/HEDP/GRP/08-2019 – Ministry of Higher Education and Higher Education Project

Title of Research: The Role of Sustainable Mountain Tourism on Poverty Reduction and Social Inclusion in Bamyán, Afghanistan.

Research grant (MoHE/HEDP 10-2020) – Ministry of Higher Education and Higher Education Project

Undergraduate University Students’ Attitudes toward Science learning using Technology; A Structural Equation Modelling.

09/08/2020

3rd degree Institutional award-2021 – Minister of Higher Education of Afghanistan

Minister of Higher Education of Afghanistan for excellence in teaching, participation in the volunteer activities at Bamyán University awarded me 3rd degree institutional letter of commendation.

● RECOMMENDATIONS

PROFESSOR CREPALDI PAOLA – Supervisor

She is my supervisor at the Department of Agricultural and Environmental Sciences - Production, Landscape, Agroenergy.

Email paola.crepaldi@unimi.it | **Phone** (+39) 0253016442

DR. SILVANO PIAZZA – Team Leader

He is my Team Leader for six months at ICGEB

Email piazza@icgeb.org | **Phone** (+39) 0403757322

PROFESSOR DR. MOHD RASHID – Supervisor

He is my supervisor during my master study at UMP

Email rashid@ump.edu.my | **Phone** (+60) 143385947