

Muhammad Sohaib

Curriculum Vitae

Personal Information

Date of Birth Febuary 25, 1990
Marital Status Married
Nationality Pakistani
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Home Address Street Budla Khel Village and Post Office Bamkhel Tehsil and District Swabi, Khyber Pakhtunkhwa

Education

- 2013–2015 **Masters of Science in Applied Mathematics (18 years)**, *Ghulam Ishaq Khan Institute of Engineering Sciences and Technology*, Topi, Swabi, GPA – 3.75/4.0.
Dean Honor Role
- 2011–2013 **Master of Science in Mathematics (16 years)**, *Quaid-i-Azam University*, Islamabad, Percentage – 78.2.
- 2008–2010 **Bachelor of Science (14 years)**, *University of Peshawar*, Percentage – 78.3.
Distinction
- 2006–2008 **Higher Secondary School Certificate (Pre-Engineering) (12 years)**, *BISE Peshawar*, Percentage – 72.9.
- 2004–2006 **Secondary School Certificate (Science Group) (10 years)**, *BISE Mardan*, Percentage – 77.6.

MS Thesis

Title *Approximate Solution of Differential Equations using Legendre Wavelet Collocation Method*
Supervisor Prof. Dr. Sirajul Haq

Research Interest

- Numerical Analysis
- Partial Differential Equations

- Finite Element Method

Experience

Sep 2016- till date

Lecturer (BPS-18), *Department of Mathematics and Statistics*.
Bacha Khan University, Charsadda (www.bkuc.edu.pk).

Sep 2015- Aug 2016

Lecturer, *The QIMS College Lahor*, Swabi.
Lecturer in Mathematics

Aug 2013–June 2015

Graduate Assistantship, *GIK Institute*, Topi.
Assisted Numerical Analysis (ES341), Differential Equations and Linear Algebra (MT201),
Calculus-I (MT102), Calculus-II (MT101)

Workshops and Conference Attended

- Participated In "**Workshop on L^AT_EX(A Professional Tool for the Production of Technical and Scientific Documentation (Thesis/Report/Presentation))**", Held on 26/03/2015, Organized by Faculty of Engineering Sciences, GIK Institute, Topi.
- Participated In "**A Two Day Work Shop on Self Assessment Report Writing**", Held on 15-16 March, 2017, Organized by Quality Enhancement Cell, Bacha Khan University Charsadda, Pakistan.
- Participated In "**HEC Three Days Workshop on Understanding the Learners Psychology and Developing Critical Thinking**", Held on 09-11 January, 2018, Organized by Bacha Khan University Charsadda, Pakistan.
- Participated In "**Seventh International Conference on Recent Developments in Fluid Mechanics and Environmental Sciences**", Held on 13-15 February, 2018, Organized by Department of Mathematics QAU and IIU Islamabad, Pakistan.

Technical Skills and Competences

- Good command on Microsoft Office (Word, Excel and Power Point)
- Good programming skills in C++, Matlab, Mathematica
- Good command on LATEX, EndNote, TeXstudio
- Focal person for Turnitin software (Department of Mathematics and Statistics, Bacha Khan University Charsadda)

Publications

- **M. Sohaib**, S. Haq, S. Mukhtar, Imad Khan "Numerical solution of sixth order boundary value problems using Legendre wavelet collocation method," (**Published**), Volume 8, Year 2018, Pages: 1204-1208. Journal: **Results in Physics** (I.F=2.147)

- **M. Sohaib**, S. Haq , “An efficient wavelet based method for numerical solution of nonlinear integral and integro-differential equations ” (**Under Review**), Journal: **International Journal of Computer Mathematics** (I.F=1.054)
- S. Haq, **M. Sohaib**, “An enhanced wavelet based method for numerical solution of high order boundary value problems,” (**Under Review**), Journal: **Mathematics and Computers in Simulation** (I.F=1.476)

Courses Taught (Undergraduate Level)

- Ordinary Differential Equations
- Partial Differential Equations
- Complex Analysis
- Calculus-I
- Calculus-II
- Calculus-III

International English Language Testing System (IELTS)

- Candidate Number: 005132
- Test Date: 29 July, 2017
- **Overall Band Score: 5.5**
- Listening: 5.5
- Speaking: 5.5
- Reading: 6.5
- Writing: 5.0

Other Languages

Pashto **Mother-tongue**
Urdu **Expert**

National Language

Interests

- Playing Cricket
- Social Assistance
- Reading Books and Newspapers

Social Skills and Competence

- Ability to work individually and in a team environment learned during my stay at Ghulam Ishaq Khan Institute of Engineering Sciences and Technology, Topi, Swabi, Khyber Pakhtunkhwa, Pakistan when I was doing my MS
- Good experience of adapting multicultural environment during my Master studies at Quaid-i-Azam University Islamabad
- Experience of good communication skills during my stay at Quaid-i-Azam University Islamabad, where students comes from all regions of the country

- Ability to establish and maintain friendship

Organisational Skills and Competence

- Good Leadership Coordinator of BS Mathematics program in Department of Mathematics and Statistics, Bacha Khan University Charsadda, Pakistan (September 2016 to date)
- Supervision Supervising four undergraduate students
- Administrative Experience Program Team Member for Department of Mathematics and Statistics, Bacha Khan University Charsadda Pakistan. The main responsibility of a program team member is to work under the supervision of Quality Enhancement Cell to impart quality education (March 2017 to date)
- Membership Member Board of Faculty at Bacha Khan University Charsadda (May 2018 to date)
- Report Written Author of Self Assessment Report for Department of Mathematics and Statistics Bacha Khan University Charsadda
- Project (Academic) Numerical Solution of Partial Differential Equations by Finite Difference Methods (Completed during my MS studies in a group)

Artistic Skills and Competences

- Good handwriting in writing Pashto, Urdu, Arabic and English

Other Skills and Competences

- Good player of Cricket and Badminton

Scholarship Achieved

- Got fully funded scholarship for MS studies from Ghulam Ishaq Khan Institute of Engineering Sciences and Technology, Topi, Swabi, Khyber Pakhtunkhwa, Pakistan with a monthly stipend of PKR: 15000/- and full tuitions fee waiver

Distinctions

- High distinction in MS by securing CGPA of 3.75 out of 4
- First position in Bachelor (Government College Peshawar)

References

Dr. Sirajul Haq

Professor

Dean Student Affairs

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