Dr. Umber Sheikh

HOME ADDRESS
817 P, Street # 21, Tariqabad, Faisalabad.

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EXECUTIVE SUMMARY	Mathematics professional having sound research skills with 17 impact factor publications, 117 citations, 9 h-factor, and 6 i10 index. The area of specialization is Mathematical and Theoretical Physics with a special focus on cosmology and topological indices of chemical structures. An efficient supervisor of more than 29 MS projects. A good presenter with more than 20 international-level presentations. With a good working experience with scientific tools like Mathematica, Maple, Win Edt and Overleaf.
DATE OF BIRTH	November 15, 1979.
EXPERIENCE	Lecturer (contract) at Mathematics Department, University of the Punjab, Lahore from September 15, 2008, to November 28, 2008.
	Lecturer at Mathematics Department, University of the Punjab, Lahore from November 29, 2008, to January 12, 2010. (1 year 1.5 months)
	Assistant Professor (Adhoc) at Department of Applied Sciences, National Textile University, Faisalabad from February 15, 2010, to May 22, 2011. (1 year, 3 months)
	Assistant Professor (BPS 19) at Department of Applied Sciences, National Textile University, Faisalabad from May 23, 2011, to December 12, 2011. (7 months)
	Assistant Professor at COMSATS Institute of Information Technology, Islamabad from December 23, 2011, to August 6, 2013. (1 year, 7 months)
	Assistant Professor (Contract) at Department of Applied Sciences, National Textile University, Faisalabad from April

4, 2014, to February 15, 2022. (7years, 8 months)

Associate Professor (BS-20) in Education University, Lahore (Faisalabad Campus) from February 16, 2022, to to-date.

EDUCATION	
2008	**University of the Punjab, Lahore** Ph. D. (Mathematics) (HEC Degree Attestation No. 2575195) **Research Topic: *Wave Properties in Black Hole Magnetospheres***
2004	**University of the Punjab, Lahore** M.Phil. (Mathematics) 1st Div. (HEC Degree Attestation No. 2575194) **Research Topic: *Spacelike and Timelike Matter Inheritance Vectors in Different Forms of Matter Tensor***
2001	**University of the Punjab, Lahore** M.Sc. (Mathematics) 1st Div. (HEC Degree Attestation No. 2575191)
1999	**University of the Punjab, Lahore** B.Sc. (Mathematics A & B, Statistics) 1st Div. (HEC Degree Attestation No. 2575190)
1997	**BISE, Faisalabad** F.A. (Mathematics, Statistics & Education) 1st Div.
1995	**BISE, Faisalabad** Matriculation (Biology, Physics, Chemistry, Mathematics) 1st Div.
PROFESSIONAL DEVELOPMENT	**PCEPT 2012**, organized by HEC in April 2012 at Quaid-e-Azam University, Islamabad.
COMPUTER SKILLS	**Scientific Tools:** Mathematica, Maple and Latex. **Non-Scientific Tools:** MS Office (Word, Excel, PowerPoint, Publisher), Mendeley.
CONFERENCES	Participated in many conferences/symposiums of an international level as a speaker: • *World Conference on 21st Century Mathematics 2004*, School of Mathematical Sciences, GCU Lahore during March 18-20, 2004. (Spacelike Matter Inheritance Vectors in a String Fluid Model)

- *Second Symposium on Cosmology, Astrophysics and Relativity* held at Centre for Advanced Mathematics and Physics (CAMP), NUST, Rawalpindi on 4-6 October 2004. (Timelike Matter Inheritance Vectors in the Model of String Cloud)

- *Second World Conference on 21st Century Mathematics*, 2005, held at School of Mathematical Sciences, Lahore, during March 4-6, 2005. (The Mysterious Black Holes: Some Interesting Features)

- *International Conference on Mathematics and its Applications* 20-22 January 2006 held at COMSAT Institute of Information and Technology (CIIT), Lahore. (Gravitohydrodynamic Perturbations in Kerr Black Hole Magnetosphere)

- *International Symposium on Relativity* held at Mathematics Department, University of the Punjab on 6th April 2006. (General Relativistic Magnetohydrodynamics in Kerr Geometry)

- *Third International Conference on 21st Century Mathematics, 2007*, held at School of Mathematical Sciences, Lahore during March 04-07, 2007. (Wave Properties in Nonmagnetized Isothermal Schwarzschild Geometry)

- *LUMS 2nd International Conference on Mathematics and its Applications in Information Technology*, LUMS, Lahore, March 9-12, 2008. (Perfect Cold GRMHD Waves in Kerr Magnetosphere)

- Departmental Seminar Series, Department of Mathematics, Punjab University, Lahore on 30th January 2008. (Perfect Cold GRMHD Waves in Kerr Magnetosphere)

- Conference on General Relativity and Gravitation, 11-13th February 2010 held at Department of Mathematics, University of the Punjab, Lahore. (A Veselago Medium in Rotating Black Hole Magnetosphere)

- Physics Department Seminar Series, Department of Physics, COMSATS Institute of Information Technology, Islamabad on 10th May 2012 held at

Seminar Room, Academic Block I, CIIT, Islamabad. (A Veselago Medium in Rotating Black Hole Magnetospheres)

- Departmental Seminar Series, Department of Mathematics, COMSATS Institute of Information Technology, Islamabad on 16th April 2013 held at Seminar Room, Academic Block II, CIIT, Islamabad. (Black Holes: A Mysterious Relationship Between Physics and Geometry)

- 4th International Conference on Pure and Applied Mathematics, 21-22 December 2019 held at Department of Mathematics, University of Sargodha, Sargodha. (Gravitational Collapse of a String Fluid in Rainbow Gravity)

- 1st Punjab University International Conference on Gravity and Cosmology, held at Department of Mathematics, University of the Punjab, Lahore, on 27-31 January, 2019. (Rainbow Gravity: A Bridge between Relativity and Quantum Theory)

- One Day Seminar on Recent Developments in Relativity and Cosmology, held at Department of Physics, Government College for Women University, Faisalabad on 15th February 2019. (Gravitational Collapse and Black Holes)

- 20th International Pure Mathematics Conference 2019, held at, Allama Iqbal Open University, Islamabad on 23-25 August 2019. (Zagreb Indices of Carbon Nanostructures)

- 5th International Conference on Pure and Applied Mathematics, 24-25 February 2020 held at Department of Mathematics, University of Sargodha, Sargodha. (Zagreb Indices of Carbon Nanostructures)

- 1st International Industrial Chemistry Conference, 26-27 February 2021 held at Department of Chemistry, NED University of Engineering and Technology, Karachi. (A Study of Graph Invariants of Aramids)

- 4th PU International Conference on Gravitation and Cosmology, November 22-25, 2021, held at Al-Razi Hall

Punjab University, Quaid-i-Azam Campus, Lahore, Punjab, Pakistan (On Dynamics of Anisotropic Compact Stars in Rainbow Gravity)

- 1st International Alumni's Mathematics UET Conference (Online Conference) on 26th February 2022. (Rainbow Gravity: A bridge between Relativity and Quantum Theory)

- Two-day 1st International Conference on Pure and Applied Mathematics (ICPAM), February 19-20, 20222 held at STC Hall, New Campus, Government College University, Faisalabad. (Rainbow Gravity:
A Bridge Between Relativity and Quantum Theory)

- International Conference on Innovations in Chemistry and Physics (ICP-2022), held at Main Hall, UE Faisalabad Campus on March 14-15, 2022. (On Dynamics of Anisotropic Compact Stars in Rainbow Gravity)

- Two-Days International Conference on Recent Developments in Pure and Applied Mathematics, held at STC Hall, New Campus, Jhang Road, GCUF on October 23-24, 2022. (Dynamics Of Wormholes in Rainbow Gravity)

Attended many conferences/symposiums at international level

- *World Conference on 21st Century Mathematics 2004* held at School of Mathematical Sciences, GCU Lahore, March 18-20, 2004.

- *Second Symposium on Cosmology, Astrophysics and Relativity* held at Centre for Advanced Mathematics and Physics (CAMP), NUST, Rawalpindi, October 04-06, 2004.

- *Second World Conference on 21st Century Mathematics*, 2005, held at School of Mathematical Sciences, Lahore, March 04-06, 2005.

- *30th International Nathiagali Summer College on Physics and Contemporary Needs* held at Nathiagali, June 27-July 2, 2005.

- *LUMS International Conference on Mathematics and its Applications in Information Technology* held at LUMS, Lahore, November 27-30, 2005.

- *International Conference on Mathematics and its Applications* held at COMSATS, Lahore, January 20-22, 2006.

- *12th Regional Conference on Mathematical Physics* held at Quaid-i-Azam University Islamabad, March 27-April 1, 2006.

- *International Symposium on Relativity* held at University of the Punjab Lahore, April 6, 2006.

- *Third World Conference on 21st Century Mathematics* 2007 held at School of Mathematical Sciences, Lahore, March 5-7, 2007.

- *All Pakistan Mathematical Conference,* Islamabad, June 7-9, 2007.

- *Lecture Series on Black Holes* held at University of the Punjab Lahore, October 10-11, 2008.

- *11th National Symposium on Frontiers in Physics* held at Govt. College University (GCU), Lahore, January 29-31, 2009.

- *Talk by Dr. Kamaluddin Ahmed* arranged by ICTP and COMSATS Institute of Information Technology, Islamabad on 10th May, 2012 held at Seminar Room, Academic Block I, CIIT, Islamabad. (Accelerating Universe – Some light in the Dark)

- *One Day Conference on Gravitation and Cosmology,* held at Department of mathematics, University of the Punjab, Lahore on November 26, 2016.

PUBLICATIONS	• M. Sharif and UMBER SHEIKH: ***Spacelike Matter Inheritance Vectors in a String Fluid Model***, Proceedings of the World Conference on 21st Century Mathematics 2004, Sch. Math. Sci. G.C. Univ., Lahore-Pakistan, March 18-20, 2004, eds. A.D.R. Choudary and Faqir M. Bhatti (p 215-222).

- M. Sharif and UMBER SHEIKH: *Timelike and Spacelike Matter Inheritance Vectors in Specific Forms of Energy-Momentum Tensor*, Int. J. Mod. Phys. **A21(15)**(2006)3213-3234. *(I.F. 1.874)(HEC X)(Publication Date:20 June 2006, ISSN:* 2198878*)*

- M. Sharif and UMBER SHEIKH: *Cold Plasma Dispersion Relations in the Vicinity of a Schwarzschild Black Hole Horizon***,** Gen. Relat. Gravit. **39(9)**(2007)1437-1465. *(I.F.2.84) (HEC W) (Publication Date: 13 June 2007, ISSN: 00017701)*

- M. Sharif and UMBER SHEIKH: *Effects of Schwarzschild Black Hole Horizon on Isothermal Plasma Wave Dispersion***,** Gen. Relat. Gravit. **39(12)**(2007)2095-2124. *(I.F.2.84) (HEC W) (Publication Date: 1 September 2007, ISSN: 00017701)*

- M. Sharif and UMBER SHEIKH: *Isothermal Plasma Waves in Gravitomagnetic Planar Analogue***,** Class. Quantum Grav. **24(22)** (2007) 5495-5514. *(I.F.3.528) (HEC W) (Publication Date: 30 October 2007 , ISSN:0264-9381)*

- M. Sharif and UMBER SHEIKH: *Complex Wave Numbers in the Vicinity of the Schwarzschild Event Horizon*, Int. J. Mod. Phys. **A 23(9)**(2008)1417-1433. *(I.F.1.475) (HEC X) (Publication Date:10 April 2008, ISSN:0217-751X)*

- M. Sharif and UMBER SHEIKH: *Effects of Schwarzschild Geometry on Isothermal Plasma Wave Dispersion*, J. Korean Phys. Soc. **52(1)**(2008)152-159. *(I.F. 0.63) (HEC Y) (Publication Date:15 January 2008, ISSN:0374-4884)*

- M. Sharif and UMBER SHEIKH: *Effects of Rotating Background on Isothermal Plasma Wave Dispersion in Schwarzschild Geometry*, J. Korean Phys. Soc. **53(4)**(2008)2198-2211. *(I.F. 0.63) (HEC Y) (Publication Date:15 October 2008 , ISSN:0374-4884)*

- M. Sharif and UMBER SHEIKH: *Cold Plasma Gravitomagnetic Waves in Kerr Planar Analogue*, J. Korean Phys. Soc., **55(4)**(2009)1677-1700. *(I.F.0.63) (HEC Y) (Publication Date:15 October 2009 ,*

ISSN:0374-4884)

- M. Sharif and UMBER SHEIKH: *Wave Properties of Isothermal Magneto-Rotational Fluids*, Canadian J. Phys. 87(8)(2009)879-894. *(I.F.1.358)(HEC X) (Publication Date:26 September 2009 , ISSN:0008-4204)*

- M. Sharif and UMBER SHEIKH: *Cold Plasma Wave Analysis in Magneto-Rotational Fluids*, Astrophys. Space Sci. 330(2010)317-328. *(I.F.1.909) (HEC X) (Publication Date:27 July 2010, ISSN:0004-640X)*

- Usman Babar, Haidar Ali, Shahid Hussain Arshad and UMBER SHEIKH: *Multiplicative topological properties of graphs derived from honeycomb structure,* AIMS Mathematics, 5(2)(2020) 1562-1587. doi: 10.3934/math.2020107*(I.F.2.739) (HEC X) (Publication Date:04 February 2020, ISSN:2473-6988)*

- UMBER SHEIKH, M.Z. Bhatti and Z. Yousaf: *Gravitational collapse of a self-gravitating unidirectional fluid flow,* New Astronomy, 84(2021)101533. *(I.F.2.096) (HEC X) (Publication Date:26 October 2020, ISSN:1384-1076)*

- UMBER SHEIKH, S. Liaqut, Z. Yousaf and M. Z. Bhatti, *Information paradox for a collapsing string cloud in rainbow gravity*, International Journal of Geometric Methods in Modern Physics, 18(6)(2021)2510084. *(I.F.1.874) (HEC X) (Publication Date: May 2021, ISSN: 0219-8878)*

- UMBER SHEIKH, K. Mahmood and M. Arshad, *Analysis of a Unidirectional Perfect Fluid Gravitational Collapse in Cylindrical Spacetime,* Chinese Journal of Physics, 73(10)(2021)503-511. *(IF 3.957)(HEC X) (Publication Date:12 August 2021, ISSN:0577-9073)*

- UMBER SHEIKH and Sana Arshad, *Electromagnetic effects on dynamics of string fluid and information paradox in rainbow gravity*, Annals of Physics, 441(2022)168855. *(I.F.2.730) (HEC W) (Publication Date: , ISSN:)*

- UMBER SHEIKH, Sana Arshad and Muhammad

Arshad, ***Dynamics of Charged String Cloud Collapse in Rainbow Gravity,*** International Journal of Geometric Methods in Modern Physics, 19(12)(2022) 2250185. ***(I.F.1.874) (HEC X) (Publication Date: October 2022, ISSN: 0219-8878)***

- UMBER SHEIKH, Sidra Rashid, Cenap Ozel and Richard Pincak, ***On Hosoya Polynomial and Subsequent Indices of $C_4C_8(R)$ and $C_4C_8(S)$ Nanosheets***, Symmetry, 14(7)(2022)1349. ***(I.F.2.940)(HEC X) (Publication Date: , ISSN:)***

- UMBER SHEIKH, Sidra Rashid, Cenap Ozel and Richard Pincak, ***On Hosoya Polynomial and Subsequent Indices of Pent-Heptagonal Carbon Nanosheets***, International Journal of Geometric Methods in Modern Physics, (2023) 23500354, (Online Ready). ***(I.F. 1.874) (HEC X) (Publication Date: , ISSN:0219-8878)***

- UMBER SHEIKH, Nida Ramzan and Zeshan Yousaf, ***On Dynamical Stability and Information Loss of Collapsing String Fluid in Rainbow Gravity,*** Modern Physics Letters A, 37(25) (2022) 2250165. ***(IF1.594)(HEC X) (Publication Date: 20 August 2022, ISSN:)***

- UMBER SHEIKH, Sayyeda Ayesha Ishtiaq, ***Effect of Electric field on String-Oriented Perfect Fluid Collapse in f(R) Gravity***, International Journal of Geometric Methods in Modern Physics, (2023) 2350038, (Online Ready). ***(I.F. 1.874) (HEC X) (Publication Date: , ISSN:)***

- UMBER SHEIKH, Yousra Aziz, M. Z. Bhatti and Richard Pincak, ***On evolution of compact stars from string fluid in Rastall gravity***, International Journal of Geometric Methods in Modern Physics, (2023) 2350085, (Online Ready). ***(I.F. 1.874) (HEC X) (Publication Date: , ISSN: 0219-8878)***

- UMBER SHEIKH, Qurrat ul Ain Tahir, Yasir Nadeem Anjum, Richard Pincak, Analysis of a Productive Topological Index Correlated to Fullerenes' Physical Properties, Symmetry, 15(1) (2022) 58. ***(I.F.2.940) (HEC X) (Publication Date: 26 December 2022, EISSN 2073-8994)***

<u>COMPLETED MS PROJECTS</u>	**As Supervisor:**

- ***Energy Conditions outside a Traversable Wormhole*** by Sufyan Liaqut (2018)
- ***A Study of Hot Plasma Wave Dispersion near the Rotating Black Hole*** by Suleman Ali (2018)
- ***A Competitive Analysis of Energy Momentum Prescriptions of Ruban's Spacetime (in General Relativity and Telleparallel Theory)*** by Naveed Rafiq (2019)
- ***A Study of Gravitational String Fluid Collapse under the Cosmological Constant Effects*** by Saadia Sattar (2019)
- ***An MHD Flow of a Metamaterial over a Porous Quadratic Stretching Sheet*** by Sumera Kanwal (2019).
- ***A Study of Vibrational Characteristics of Auxetic Cylindrical Shells*** by M. Qaiser Tabassum (2019)
- ***Some Degree Based Topological Indices of Chemical Graphs*** by Maryam Tariq (2019)
- ***Multi-Steps Optimal Order of Convergence Iterative Method*** by Barza Noor (2019)
- ***Mathematical Modeling of Laundering Effects on Plane Weave Fabric*** by Hafsa Sattar (2019)
- ***A Study of String Fluid Collapse in f(R) Gravity*** by Muhammad Zahid (2020)
- ***Mathematical Modeling of Tensile Strength of Woven Fabric Comprising Ring Spun Yarn*** by Umer Gul (2020)
- ***A Study of Schwarszchild De-Sitter Black Hole Thermodynamics in Rainbow Gravity*** by Muhammad Ibrahim (2020)
- ***Modeling of the Comfort Properties of Woven Fabrics Using Genetic Algorithm*** by Mahnoor Mustafa (2020)
- ***A Study of Topological Indices of Aramids*** by Ayesha Sattar (2020).
- ***The effect of charge on Unidirectional Perfect Fluid Collapse in f(R) Gravity*** by Syeda Ayesha Ishtiaq (2021).
- ***Mathematical Properties of Mechanical Properties of PVC (Polyester, Viscose and Cotton) Blend Rotor Spun Yarn and Woven Fabric*** by Tayaba Safdar (2021).

- *Analysis of Unidirectional Perfect Fluid Gravitational Collapse in Cylindrical Space time* by Kashif Mahmood (2021).
- *Reduction of Skin Friction Coefficient for the Casson Fluid over a Porous Quadratic Sheet* by Mariam Mahmood (2021).
- *The Effects of Charge on Unidirectional Perfect Fluid Collapse in f(R) Gravity* by Sayeda Ayesha Ishtiaq (2021).
- *Reduction of Skin Friction using Maxwell Fluid Over a Porous Quadratic Sheet* by Eman Ijaz (2021).
- *Possibility of information Extraction from collapsing objects in rainbow gravity* by Nida Ramzan (2021).
- *Gravitational collapse of unidirectional perfect fluid in Rastall Gravity* by Yousra Aziz (2021).
- *Development of Mathematical Model Using RSM (Response Surface Modeling) for the Prediction of Lapped Seam Strength* by Maria Iftikhar (2021).
- *Analysis of Cross-stitch by Graph Theory* by Noreen Khalid (2021).
- *Analysis of Fabric Defects using Image Analysis Technique* by Ayesha Mushtaq (2021).
- *Multiplicative topological index analysis of C4C8 carbon Nanostructure (Nanosheet, Nanotube and Nanotorus)* by Muhammad Usman (2021).
- *Computational structure Analysis for Physicochemical Properties of C4C8 and C5C7 Carbon Nano Sheet* by Sidra Rashid (2021).
- *Study of Vibrations of Bi-layered Cylindrical Shells for Blow Room Piping* by Babar Ali (2021).
- *Analysis of Thermo-Physiological comfort properties of ladies woven scarves using least square approximation* by Rabia Nazar (2021).
- *Charged Dynamical Compact Stars in Rainbow Gravity* by Zohaib Tahir (2022).
- *Correlation Estimation of Heat of Formation with Atom-Bond Connectivity and Geometric-Arithmetic Indices of Fullerenes* by Qurrat ul Ain (2022).
- *Analyzing the Existence of Traversable Wormholes and Compact Objects in Rainbow Gravity* by Sana Arshad (2022).

As Co-Supervisor:
- *Analytical Study of Fractional Order Differential Equations using Laplace Adomian Decomposition*

Method by Faisal Mashooq (2018)

- *Anti-Magic Labeling of Graphs* by Naila Ramzan (2018)
- *Applications of Decomposition Method to Solve Some Fractional Order Equations* by Shumaila Sabar (2017)
- *Norms of Spherical Maximal Operator on some Finite Graphs* by Mashood Aslam (2019)
- *Solving Smoking Model using Legendre Wavelet Method* by Muhammad Usman (2019)
- *Anti-magic Total Labeling of Different Families of Graphs* by Asad Ali Khalid (2019)
- *Application of Hardy-Littlewood Maximal Operator on Networking and Utility Graphs* by Asif Ali (2019)
- *Homotopy Perturbation Method to Solve Non-Linear Partial Differential Equations Modelling Engineering Problems* by Umer Khayam **(2019)**
- *Non-Linear Mathematical Models and Laplace VIM* by Asma Ahsan Bajwa **(2019)**
- *Non-Linear Integral Models and the Laguerre Polynomials* by Muhammad Hakim Ali Qasmi **(2019)**
- *Polynomial Invariants for Doubly Periodic Textile Structure: Torus* by Muhammad Ali Gohar **(2019)**
- *Frequency Analysis of Bi-layered FGM Cylindrical Shells based on Elastic Foundation in Boilers* by Ayesha Akram (2020)
- *Viscous Dissipation Effects on MHD Boundary Layer of Sisko Fluid over a Non-Linear Stretching Sheet* by Shahzaib Hanif (2020)
- *Application of Hardy-Littlewood Maximal Operator on Networking and Utility Graphs* by Umair Hameed (2020)
- *Fractional order problems in Engineering and homotopy perturbation method* by Muhammad Mudassar (2020)
- *Multiplicative topological indices of Graphs derived from honeycomb structure* by Usman Babar (2020).
- *Modeling of wave propagation phenomena by EXP-Function method* by Waseem Tahir (2021).
- *Charged Dynamical Stars in Rainbow Gravity* by Zohaib Tahir (2022)
- *Correlation Estimation of Heat of Formation with Atom Bond Connectivity and Geometric Arithmetic Indices of Fullerenes* by Qurrat ul Ain (2022)
- *Analyzing the existence of Traversable Wormholes and Compact Objects in Rainbow Theory of Gravity* by Sana Arshad (2022)

ADDITIONAL OFFICIAL RESPONSIBILITIES	Coordinator (BS Level Mathematics Subjects, 2016-2020), Focal Person (MS Mathematics, 2016-2021), Convener (Society of Mathematician, 2018-2021), Coordinator (Job Placement Cell and Career Counseling, 2019-2020), Focal Person to UE Lahore (Admission, Examination, UMS, Finance, 2022-to date), Member Discipline Committee (2022-to date), Member Inquiry Committees, Chairperson Admission Committee (Fall 2022), Convener for Investigating Committee for UMC Cases.
MEMBERSHIPS	A lifetime member of *The Pakistan Physical Society* (Membership No. 167)
CERTIFICATION	International Training Workshop on Outcome Based Education, on September 20-21, 2017. Auto CAD for Engineering held on August 10-11, 2017 at National Textile University, Faisalabad. One Day Training Workshop on Managing Citation in Research by Using Mendeley on July 28, 2017 at National Textile University, Faisalabad. 2nd All Pakistan DICE Textile Innovation Event on March 28-29, 2017 at National Textile University, Faisalabad. How to Get Published in an Academic Journal on 29 July 2021, organized by Wiley. Dissecting the scholarly publishing process. A current overview on the steps to getting published on 26 January 2022, organized by Wiley. Emerald/AUC competition: Case writing Methodologies and teaching application on 13 June 2022, organized by Emerald Services. One Day Workshop on Mathematical Tools and Their Applications on 02 June 2022, organized by University of Education, Lahore, Faisalabad Campus (as organizer).
AREAS OF INTEREST	Collapse and its Results, Alternative Theories of Gravitation, Symmetries in fluids, Graph Invariants of Novel and Nano Materials
SPECIAL ACHIEVEMENTS	• Third position in the category of young Mathematician in *World Conference on 21st Century Mathematics, 2004*. • Awarded Ph.D. Scholarship from the Higher Education Commission of Pakistan, by competing in a test based on GRE (local) under Indigenous Ph.D. Fellowship Programme (5000 Fellowships). • Certificate of Merit by Government College University,

Faisalabad: 3rd position in MSc Mathematics for the Session 2001.

- Awarded merit scholarship by UGC for M.Sc. (Mathematics).

REFERENCES	- Dr. M. Sharif Professor Department of Mathematics University of the Punjab, Lahore. - Dr. Nadeem Nasir Associate Professor Department of Applied Sciences National Textile University, Faisalabad - Dr. Zulfiqar Ali Raza Associate Professor Department of Applied Sciences National Textile University, Faisalabad

Responsibilities for 2022

- Convener of Football (Female) in Intra-Campus Annual Sports Gala.
- Convener of Stage Management Committee in Prize Distribution Ceremony of Annual Sports Gala.
- Member Purchase Committee
- Focal person (Admission, Examination, UMS, Finance)
- Chairperson Admission Committee
- Coordinator Mathematics Department
- Convener Committee for investigating UMC Cases