

SBASSE PHD GRADUATES 2022



Dr. Maheen Alam

Biology

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| S | Dr. Syed Shahzad Ul Hussan |
| T | Characterizing the molecular mechanism of the AvrRpt2-RIN4- RPS2 defense-activation module |
| R | Mingzhe Shen, Yanbian University Dr. Meng Yuan, Huazhong Agricultural University |
| C | Post-doctoral fellow at the Ohio State University |



Dr. Iqra Azeem

Chemistry

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| S | Dr. Basit Yameen |
| T | Nanomaterial based tools for molecular investigation of membrane associated proteins and diverse screening applications |
| R | Prof. Dr. Jianjun Wang, Chinese Academy of Sciences Dr. Bernhard V. K. J. Schmidt, University of Glasgow Prof. Dr. Annette Andrieu-Brunsen, Technische Universität Darmstadt Prof. Dr. Omar Azzaroni, Universidad Nacional de La Plata Dr. Ljiljana Fruk, University of Cambridge |
| C | Visiting lecturer in Institute of Chemical Sciences, BZU, Multan. |



Dr. Muhammad Danish Zia

Mathematics

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| S | Dr. Muhammad Usman |
| T | Spectral and scattering problems for differential operators on quantum star graphs |
| R | Jean-Claude Cuenin, Loughborough University Jörgen Östensson, Uppsala University |
| C | Assistant Professor in NUST (Risalpur campus) |



Dr. Muzamil Shah

Physics

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|----------|---|
| S | Dr. Muhammad Sabieh Anwar |
| T | Magneto-optic effects in 2D quantum materials |
| R | Panagiotis Vasilopoulos, Concordia University Alessandro Stroppa, Istituto SPIN Genova, L'Aquila |
| C | Post-doctoral fellow at Lahore University of Management Sciences |



Dr. Muhammad Adnan Anwar

Mathematics

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|----------|---|
| S | Dr. Mudassar Razzaq |
| T | Finite element simulations for multiphysics problems |
| R | Dr. Mingchao Cai, Morgan State University Dr. Asif Mahmood, University of Nevada |



Dr. Amina Farooq

Physics

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|----------|---|
| S | Dr. Nauman Zafar Butt |
| T | Single cell detection in an electrical impedance based microfluidic biochip: A computational and experimental study |
| R | Dr. Samir Iqbal, University of Texas Dr. Waseem Asghar, Florida Atlantic University |
| C | Received post-doc offers from Italy and USA |



Dr. Atiqa Kayani

Electrical Engineering

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|----------|--|
| S | Dr. Ijaz Haider Naqvi |
| T | Beamforming strategies for millimeter wave massive mimo systems |
| R | Sajjad Hussain, University of Glasgow Dr. Mohsin Raza, Edge Hill University |
| C | Consultant at Huawei Technologies, Gothenburg, Sweden. |



Dr. Iram Aziz

Chemistry

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|----------|---|
| S | Dr. Salman Nosheer Arshad |
| T | Surface tuned electrospun nanofibers for enhanced mechanical and functional performance |

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| R | Dr. Bien Tan, Huazhong University of Science and Technology Dr. Sung Yul Lim, Kyung Hee University |
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Dr. Farwa Batool

Chemistry

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|----------|--|
| S | Dr. Muhammad Saeed |
| T | Discovering direct-acting antiviral potential drugs by targeting dengue virus NS2B/NS3 protease and SARS-CoV-2 main protease |
| R | Mausam Kalita, Stanford University Medical Centre Athar Ata, The University of Winnipeg |
| C | Assistant Professor in Lahore Garrison University |



Dr. Abdul Quayam Khan

Mathematics

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|----------|---|
| S | Dr. Amer Rasheed |
| T | Numerical solutions of some nonlinear fractional flow problems |
| R | Dr. Zhilin Li, North Carolina State University Dr. Anum Shafiq, Nanjing University of Information Science and Technology |
| C | Teaching at Balochistan University of Information Technology, Engineering, and Management Sciences |



Dr. Mumtaz Khan

Mathematics

| | |
|----------|--|
| S | Dr. Amer Rasheed |
| T | Numerical simulations and error analysis of fractional non-newtonian flows |
| R | Dr. Hang Xu, Shanghai Jiao Tong University Dr. Jifeng Chui, Inner Mongolia University of Technology |
| C | Visiting Faculty at Riphah International University, Islamabad |



Dr. Saira Dar

Biology

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|----------|--|
| S | Dr. Syed Shahzad Ul Hussan |
| T | Identification of antiviral agents from natural sources |
| R | Dr. Wolfgang Richter, Tube Pharmaceuticals GmbH Dr. Fahad Saeed, Florida International University |



Dr. Shamsa Abid

Computer Science

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|----------|---|
| S | Dr. Shafay Shamail |
| T | Feature-driven API usage-based code example recommendation for opportunistic reuse |
| R | Dr. Rael Capilla Sevilla, Universidad Rey Juan Carlos Dr. Hao Zhong, Shanghai Jiao Tong University |

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| C | Research Scientist in RISE lab at Singapore Management University (SMU) |
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Dr. Nasir Mehmood

Computer Science

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| S | Dr. Naveed Arshad |
| T | Towards developing a large energy store using small scale distributed batteries for energy arbitrage |
| R | Dr. Irfan Khan, Texas A&M University Dr. Imran Mahmood, University of South Florida |



Dr. Najma Shaheen

Biology

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|----------|---|
| S | Dr. Muhammad Tariq |
| T | Chaperonin containing TCP-1 Subunit 7 as a novel modulator of Polycomb in maintaining epigenetic gene silencing |
| R | Dr. Nara Lee, University of Pittsburgh School of Medicine Dr. Stefan Schoenfelder, The Babraham Institute |
| C | Post-doctoral fellow at Feinberg School of Medicine, Northwestern University |



Dr. Zain Umer

Biology

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| S | Dr. Muhammad Tariq |
| T | Genome-wide RNAi screen to uncover novel regulators of trxG and deciphering the role of Drosophila Nipped-A in maintenance of epigenetic cell memory |
| R | Dr. Nara Lee, University of Pittsburgh School of Medicine Dr. Stefan Schoenfelder, The Babraham Institute |



Dr. Syed Touqeer Hussain Shah

Mathematics

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|----------|--|
| S | Dr. Ali Ashher Zaidi |
| T | Functional partial differential equations |
| R | Dr. Graeme Wake, Massey University New Zealand Dr. Florian Rupp, Kutaisi International University |
| C | Post-doctoral fellow at Lahore University of Management Sciences |



Dr. Asma Gilane

Chemistry

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| S | Dr. Falak Sher |
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| T | Oxide Ion Conductors within Hexagonal Perovskite Family for Solid Oxide Fuel Cells |
| R | Prof Jan Skakle, University of Aberdeen Dr. Jan Willem Bos, Heriot-Watt University |
| C | Currently pursuing her startup, SKEMS College Fort Abbas, where she plans to offer FSc pre-medical, pre-engineering and ICS programs, as well as programs like ADP and BS (Hons.) Chemistry and Mathematics. |



Dr. Ansir Ilyas

Electrical Engineering

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| S | Dr. Abubakr Muhammad |
| T | Integrating Local Behavioural Feedbacks to Identify Sustainable Pathways for Natural Resource Management |
| R | Dr. Murugesu Sivapalan, University of Illinois Urbana-Champaign Dr. Kamran Iqbal, University of Arkansas |
| C | Teaching in University of Lahore (UOL) |

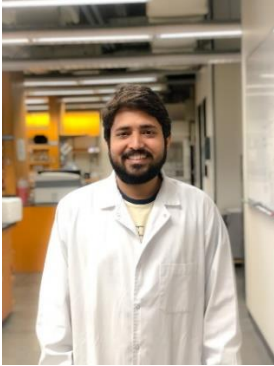


Dr. Kanzal Iman

Biology

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| S | Dr. Safee Ullah Chaudhary |
| T | An intergrated in Silico Approach to characterize proteoforms using sequence and structure data |
| R | Dr. Fahad Saeed, Florida International University |

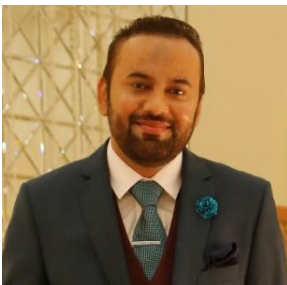
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| | Dr. Syed Ahmad Chan Bukhari, St. John's University, New York |
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Dr. Ammad Shaukat

Biology

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| S | Dr. Muhammad Tariq |
| T | Drosophila Multiple ankyrin repeats single KH domain protein contributes to the maintenance of gene activation during epigenetic cell memory |
| R | Dr. Nara Lee, University of Pittsburgh School of Medicine Dr. Muhammad Hamid Zaman, Boston University |
| C | Post-doctoral fellow at National Institute of Health (NIH) |



Dr. Syed Muhammad Ahsan Razvi

Electrical Engineering

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|----------|---|
| S | Dr. Hassan Abbas Khan |
| T | A holistic transformation towards a techno-economic model with bilateral contracts in smart building(s) |
| R | Prof. Ariya Sangwongwanich, Aalborg University Prof. Marco Merlo, Poltecnico di Milano |
| C | Offered post-doctoral fellowship at Power and Energy Lab, Incheon National University, South Korea |



Dr. Anjum Iqbal

Mathematics

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| S | Dr. Imran Naeem |
| T | Conservation laws and exact solutions of nonlinear Compacton equations |
| R | Dr. Fazal M. Mahomed, DSI-NRF Centre of Excellence in Mathematical & Statistical Sciences – MaSS Dr. Mariano Torrisi, Universita degli Studi di Catania |
| C | Lecturer of Mathematics at Govt. Postgraduate College, Gujranwala. |



Dr. Faiza Iftikhar

Electrical Engineering

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| S | Dr. Imran Cheema |
| T | Novel multistage optical fiber cavity systems for communication and sensing applications |
| R | Dr. Pablo Bianucci, Concordia University Dr. Mark C. Harrison, Champman University |
| C | Teaching at Lahore College for Women University. |



Dr. Saba Irum

Mathematics

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| S | Dr. Imran Naeem |
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| T | Hamiltonian, partial hamiltonian operators, classification and analytical solutions of differential equations |
| R | Dr. Pablo Bianucci, Concordia University Dr. Mark C. Harrison, Champman University |



Dr. Syed Muhammad Abbas

Electrical Engineering

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|----------|--|
| S | Dr. Abubakr Muhammad |
| T | An autonomous water canal structural profiling system using an unmanned aerial vehicle (UAV) |
| R | Dr. Abdul Bais, University of Regina Dr. Ahmed Jawad Qureshi, University of Alberta |
| C | Currently pursuing his startup, Movin Wheels Pvt. Ltd. |