



Muhammad Abuzar Baqir, Ph.D.

Assistant Professor

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Muhammad Abuzar Baqir received the M.Sc. and M.Phil. degrees in Electronics from the Department of Electronics, Quaid-i-Azam University, Pakistan, in 2008 and 2011, respectively, and the Ph.D. degree from the Institute of Microengineering and Nanoelectronics belonging to the National University of Malaysia, in 2017. Since 2017, he has been working as an Assistant Professor with the Department of Electrical and Computer Engineering at COMSATS University Islamabad, Pakistan.

INTERNATIONAL RESEARCH COLLABORATIONS

- Institute of Microengineering and Nanoelectronics, the National University of Malaysia
- *Department of Electrical Engineering, Lorestan University, Khoram abbad, Iran*
- School of Physics, Faculty of Applied sciences, Universiti Teknologi MARA, Shah Alam, 40450 Selangor, Malaysia
- Optical Fibre Sensors Research Centre, Department of Electronic & Computer Engineering, University of Limerick, Limerick, Ireland
- Department of Engineering Sciences, University of Oxford, Park Road, Oxford, OX1 3PJ, UK
- Division of Electronics and Electrical Engineering, Dongguk University, Seoul, 04620, Republic of Korea
- Department of Electrical and Electronics Engineering, Iskenderun Technical University, 31200 Iskenderun, Turkey
- Centre for Precision Engineering, Materials and Manufacturing Research, Institute of Technology, Sligo, F91 YW50 Ireland
- Department of Electrical and Electronics Engineering, Middle East Technical University at Northern Cyprus, 99738 Kalkanli, Turkey
- School of Electronic Engineering, Nanjing Xiaozhuang University, Nanjing 211171, China
- King Abdullah Institute for Nanotechnology, King Saud University, P.O. Box 2455, Riyadh, 11458, Saudi Arabia
- Shandong Institute of Advanced Technology, Jinan 250100, Shandong, P. R. China
- College of Engineering, Jouf University, Sakaka 72388, Saudi Arabia

Research Interests

- Metasurfaces and Frequency Selective Surfaces
- Optical Sensors
- Solar Absorbers
- Light Matter Interaction
- Circuit Modeling of Metasurface and Frequency Selective Surfaces

AWARDS RECEIVED

- National University of Malaysia, Zamalah Graduate Scholarship (2012–2015)
- IONS-OSA Travel Award, University of Nanjing, China, 2015
- JSAP-OSA Travel Award, Doshisha University, Kyoto Japan, 2013
- IONS-OSA Travel Award, University of Sydney, Australia, 2013
- IONS-OSA Travel Award, Mexico City, Mexico, 2015
- Outstanding Reviewer in Optics Communications (2016)

Editorial

- Editor in Frontiers in Photonics
- Editor in International Journal of Innovations in Science and Technology (HEC Recognized journal)

RESEARCH PROJECTS

- Design, Synthesis, and Characterization of Hyperbolic Metamaterial-based Microwave Absorbers. HEC Funded Project : No. 21 1811/SRGP/R&D/HEC/2017 Amount: 470000 PKR.
- Metamaterial-based Sensors for Chemical Detection and Biosensing
HEC Funded Project 2021
Approved Funding: 4771,200 PKR.