COMSATS University Islamabad, Sahiwal Campus

Department of Electrical and Computer Engineering
Faculty Publications

Journal

Dr. Aftab Naqvi

1. **A. Naqvi** and M. A. Baqir, Ultra-wideband Symmetric G-shape Metamaterial-based Microwave Absorber, *J. of Electromagn. Waves and Appl.*, Vol. 32, No. 16, 2078-2085, August 2018. Web Link: https://www.tandfonline.com/doi/full/10.1080/09205071.2018.1492976
2. **A. Naqvi** and M. S. Khan, Design of a Miniaturized Frequency Reconfigurable Antenna for Rectenna in WiMAX and ISM Frequency Bands, *Microwave and Optical Technology Letters*, Vol. 60, No. 2, 325-330, February 2018.
3. **Aftab Naqvi**,,"Miniaturized Triple-Band and UWB Fractal Antennas for UWB Applications",Microwave and Optical Technology Letters,2017.
4. **A. Naqvi**, M. S. Khan and B.D. Braaten, A Frequency Reconfigurable Cylindrically-Shaped Surface with Cloaking-Like Properties, *Microwave and Optical Technology Letters*, Vol. 58, No. 6, 1323-1329, June 2016 **(IF: 0.731)**
5. **A. Naqvi**, M. S. Khan and B.D. Braaten, A 1x2 Microstrip Array with Reduced Mutual Coupling Achieved with a Cylindrically-Shaped Cloaking-Based Surface, *Microwave and Optical Technology Letters*, Vol. 58, No. 2, 296-301, Feb. 2016. **(IF: 0.731)**
6. M. S. Khan, A. D. Capobianco, **A. Naqvi**, B. Ijaz, S. Asif and B.D. Braaten, Planar, Compact Ultra-Wideband Polarization Diversity Antenna Array, *Accepted for publication in IET Microwaves, Antennas and Applications.* **(IF: 0.91)**
7. M. S. Khan, A. D. Capobianco, **A. Naqvi**, M. shafique, B. Ijaz, B.D. Braaten, Compact Planar UWB MIMO Antenna with On-Demand WLAN Rejection, *Electronics Letters*, Vol.51, No.13, 963-964, 2015. **(IF: 0.93)**
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9. M. S. Khan, A.-D. Capobianco, M. F. Shafique, B. Ijaz, **A. Naqvi**, B. D. Braaten, Isolation Enhancement of a Wideband MIMO Antenna using Floating Parasitic Elements, *Microwave and Optical Technology Letters*, Vol. 57, No.7, 1677-1682, 2015. **(IF: 0.568)**
10. **A. Naqvi**, Comments on "Waves in planar waveguide containing chiral nihility metamaterial", Optics Communications, Vol. 284, 215–216, 2011. **(IF: 1.486)**
11. S. R. Qamar, **A. Naqvi**, A. A. Syed, and Q. A. Naqvi, Radiation charactristics of elementary sources located in unbounded chiral nihility metamaterial, J. of Electromagn. Waves and Appl., Vol. 25, 713-722, 2011. **(IF: 2.965)**
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Dr. Jehangir Arshad

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Metamaterial Multiband Absorber Operating in the Visible and Near-Infrared Regimes **Plasmonics (2018) (ISI** Impact Factor 2.34**).**

84. **S.A. Naqvi and M. A. Baqir** Ultra-wideband symmetric G-shape metamaterial-based microwave absorber **Journal of Electromagnetic Waves and Applications, vol. 2, pp. 2078-2085 (2018) (ISI Impact Factor 0.86).**
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86. **M.A. Baqir**, T. Fatima, P.K. Choudhury and A. M. A. Ibrahim Graphene-over-graphite-based metamaterial structure as optical filter in the visible regime, **Optik, vol. 180, pp. 832-839 (2019) (ISI Impact factor 1.2)**
87. M. Ghasemi, P.K. Choudhury **and M.A. Baqir** On the Double Nano-Coned Graphene Metasurface-Based Multiband CIC Absorber **Plasmonics (ISI** Impact Factor 2.34**) Article in Press**
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91. **M.A. Baqir**, and P.K. Choudhury Design of hyperbolic metamaterial-based absorber comprised of Ti Nanospheres **IEEE Phot. Tech. Lett. vol. 31, pp. 735−738 (2019) (ISI** Impact Factor 2.55**).**
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94. **M.A. Baqir et al,** Tunable Plasmon Induced Transparency in Graphene and Hyperbolic Metamaterial-Based Structure **IEEE Photonics Journal, vol. 11, p. 4601510 (2019)**

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100. **Ghulam FARID, Haris TAHIR HAMID, Shahid KARIM, Sohaib TAHIR** "Waypoints Based Generation of Guided and Optimal Trajectories for Autonomous Tracking Using a Quadrotor UAV" Studies in Informatics and Control, vol. 27(2), 2018. **(SCI IF=1.07)**
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