

Md. Mostafa Faruk

Contact

Information

House# 143, Road# Sher Shah Shuri Road
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Education

Independent University, Bangladesh, Dhaka, Bangladesh

B.Sc., Electrical & Electronic Engineering, [Department of Electrical & Electronic Engineering](#), June 2021, CGPA - 3.70 (4.00)

- Thesis Topic: Impact of Total Harmonic Distortion and Power Factor on Power Quality Due to EV Charging.
- Supervisor: Prof. M. Abdur Razzak, Ph.D

Holy Child College (HCC), Dhaka, Bangladesh

Higher Secondary Certificate (HSC), Dhaka Board, Grade- A+, 5.00 (on the scale of 5), Duration 2014-2016.

Holy Child College (HCC), Dhaka, Bangladesh

Secondary School Certificate (SSC), Dhaka Board, Grade- A+, 5.00 (on the scale of 5), Duration 2012-2014.

Referred

Journal

Publication

1. **Md. Mostafa Faruk**, Nazifa Tabassum Khan, S. K. Biswas, "Highly Nonlinear Bored Core Hexagonal Photonic Crystal Fiber (BC-HPCF) With Ultra-high Negative Dispersion for Fiber Optic Transmission System." *Frontiers of Optoelectronics*, 2019. (Journal).

Referred

Conference

Publication

1. **Md. Mostafa Faruk**, Md. Abid Hossain, Mahfuj Rahman, Md. Sabuj Miah, Shovasis Kumar Biswas. "Design and Analysis of Highly Non-linear Dispersion Compensating Photonic Crystal Fiber using Square-Lattice Geometry," *International Technical Conference of IEEE Region 10 (TENCON)*, 2019, Kochi, Kerala, October 17-20, 2019 (indexed in IEEE Xplore).
2. **Md. Mostafa Faruk**, Md. Abid Hossain, Mahfuj Rahman and Shovasis Kumar Biswas, "Ultra-high birefringence and highly nonlinear dispersion compensating square photonic crystal fiber for fiber optic transmission systems: Design and analysis," *10th International Conference on Computing, Communication and Networking Technologies (ICCCNT)*, Kanpur, India, 6-8 July 2019 (indexed in IEEE Xplore).

3. **Md. Mostafa Faruk**, Md. Rubayet Islam, S. M. Rakibul Islam, Mashfique Ahmed, Md. Sabuj Miah and Shovasis Kumar Biswas, "Ultra-high Negative Dispersion Compensating Index Guiding Single Mode Octagonal Photonic Crystal Fiber: Design and Analysis," 2nd IEEE International Conference on Innovation in Power and Advanced Computing Techniques (iPACT 2019), Vellore Institute of Technology, India, 22-23 March 2019 (indexed in IEEE Xplore).
4. Islam, Md Rubayet, SM Rakibul Islam, Mashfique Ahmed, Fahim Ahmed, **Md Mostafa Faruk**, and Shovasis Kumar Biswas. "Analysis of Dispersion and Nonlinear Property in Defected Core Square Photonic Crystal Fiber." In 2018 9th International Conference on Computing, Communication and Networking Technologies (ICCCNT), pp. 1-5. IEEE, 2018. (indexed in IEEE Xplore)
5. Delwar Hossain Himel, **Md Mostafa Faruk**, Shovasis Kumar Biswas. "Numerical Study of Rectangular Air-Holes Based Highly Dispersion Compensating Octagonal Photonic Crystal Fiber: A Novel Approach." 2020, 11th International Conference on Computing, Communication and Networking Technologies (ICCCNT)
6. Mohammad Nasif Hossain, Ahasan Ullah Khan Supto, **Md. Mostafa Faruk** and Shovasis Kumar Biswas. "Design & Development of Fingerprint Based Electro-Magnetic Door Lock System." 2020, 12th International Conference on Computing, Communication and Networking Technologies (ICCCNT)
7. **Md. Mostafa Faruk**, Nazifa Tabassum Khan, Md. Abdur Razzak. "Analysis of the Impact of EV Charging on THD, Power Factor and Power Quality of Distribution Grid." 2021 IEEE International Conference on Innovations in Power and Advanced Computing Technologies", i-PACT-2021 (Accepted)

Awards

- Merit Scholarship (Academic Board) [Independent University, Bangladesh](#)
- Dhaka Board Scholarship (SSC) [Dhaka Education Board](#)

Teaching Experience

- | | |
|--|------------------------------------|
| Teaching Assistant (Sept. 2019 - Dec. 2019) | Independent University, Bangladesh |
| <ul style="list-style-type: none"> • EEE 234L – Electronics Lab | Autumn, 2019 |
| Math Learning Center (Jan. 2019 – Apr. 2020) | Independent University, Bangladesh |
| <ul style="list-style-type: none"> • Mat 111 – Differential Calculus • Mat 131 – Integral Calculus | |

Co-
Curricular
Activities

- Chair, IEEE Independent University, Bangladesh (IUB) Student Branch, 2019
- Event Coordinator, IEEE Bangladesh Section Student Activity Committee, 2019

References

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