

Diponkar Kundu

Associate Professor, Department of Electrical and Electronic Engineering (EEE)

Pabna University of Science and Technology (PUST), Pabna 6600, Bangladesh

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Education

M.Eng.Sc. in Electrical Engineering (Full Research Mode), University of Malaya, Malaysia, (07/2015)

B.Sc. in Electrical and Electronic Engineering, Khulna University of Engineering and Technology, Khulna, Bangladesh (03/2009); CGPA: 3.62 (4.00)

Higher Secondary Certificate, Sripur Degree College, Jessore, Bangladesh (09/2004); GPA: 4.90 (5.00)

Secondary School Certificate, Radhanagar Secondary School, Jessore, Bangladesh (07/2002); GPA: 4.63 (5.00)

Theses

Master's Thesis Title: "Design of an Optimized Wideband Microstrip Patch Antenna for T - GSM 810 and PCS - 1900 Band Applications"

Undergraduate Thesis Title: "Performance Analysis of an InGaAs Based p-i-n Photodetector"

Skills

- Deep Knowledge in Areas Such as Circuits, Electronics, Signal Processing, Machines, Materials, Power Systems, and Related Fields
- Delivering Engaging Lectures and Practical Sessions at the Undergraduate Levels
- Conducting Independent Research in Relevant Areas of Electrical and Electronic Engineering
- Proficiency in Simulation and Design Tools like Microsoft Office, MATLAB, Simulink, PSPICE, and CAD Software
- Knowledge of Programming Languages like C, and Embedded Systems Languages for Microprocessor and Microcontroller Programming
- Setting Up, Managing, and Maintaining Lab Equipment for Experiments and Research
- Effectively Delivering Complex Technical Concepts in a Simple and Engaging Manner
- Producing High-Quality Research Papers, Reports, and Grant Proposals
- Engaging Students, Colleagues, and Industry Professionals in Meaningful Academic and Research Discussions
- Supervising Undergraduate Students in their Research Projects.
- Leading Research Teams, Student Groups, and Managing Class Activities and Leading EEE Department as a Head / Chairman of the Department

Highlights

- Current Research: Highly Effective Photonic Crystal Fiber (PCF) Sensor for Ensuring Edible Oil Safety and Quality within THz Regime
- Total publications: 35
- Citations: 155

Work Experiences

Associate Professor, Department of Electrical and Electronic Engineering (EEE), Pabna University of Science and Technology (PUST), Pabna, Bangladesh (12/2020-Current)

- Research Project: Highly Effective Photonic Crystal Fiber (PCF) Sensor for Ensuring Edible Oil Safety and Quality within THz Regime
- Teaching and Supervising Undergraduate Students
- Prepared Syllabuses and Curriculum for the Under-graduate students

Assistant Professor, Department of Electrical and Electronic Engineering, Pabna University of Science and Technology, Pabna, Bangladesh (04/2012-12/2020)

Lecturer, Department of Electrical and Electronic Engineering, Pabna University of Science and Technology, Pabna, Bangladesh (04/2009-03/2012)

Full-Time Research Assistant (RA) at the Department of Electrical Engineering, Faculty of Engineering, University of Malaya, Malaysia, Under the Project of High Impact Research (Project Number: UM.C/HIR/MOHE/ENG/51) (03/2013-07/2015)

- Research Project: "Brain-Machine Research: Cognitive Dynamic Systems Using Brain Electromagnetic Signals"

Laboratory Demonstrator for the Undergraduate Students at the Department of Electrical Engineering, Faculty of Engineering, University of Malaya, Malaysia (03/2013-07/2015)

- Taken Laboratory Classes

Chairman / Head, Department of Electrical and Electronic Engineering, Pabna University of Science and Technology, Pabna, Bangladesh and Member of Academic Council, PUST, Pabna, Bangladesh (11/2016-10/2029 and 01/2022 - Ongoing)

- Provide Academic Leadership and Direction for the Department
- Supervise the Development, Revision, and Implementation of Academic Programs and Curricula
- Recruit, Mentor, and Evaluate Faculty Members
- Monitor and Support Student Progress, Advising, and Welfare
- Manage Departmental Budgets, Resources, and Facilities and Ensure Proper Allocation of Funds for Research, Teaching, and Other Departmental Needs
- Coordinate the Maintenance and Upgrading of Lab Equipment and Resources
- Encourage Faculty and Student Participation in Research Projects and Initiatives
- Develop and Implement Long-Term Strategic Plans for the Growth and Advancement of the Department

Head, Institutional Quality Assurance Cell, Department of Electrical and Electronic Engineering, Pabna University of Science and Technology, Pabna, Bangladesh (01/2016 – 12/2018)

- Conducted Surveys to Collect Data from Teachers, Staff, Current Students, Alumni, and Employers of Alumni, and Assessed the Program's Status
- Prepared the Draft of Curriculum and Developed an Improvement Plan for the Program

Member of Tender Evaluation Committee-1 (TEC-1), PUST (11/2016-10/2019) and Member of Tender Evaluation Committee-2 (TEC-2) (01/2022 – Ongoing)

- Assess Tender Proposals, Review and Evaluate Tender Submissions

Other Trainings:

- Workshop on Microcontrollers and its Applications Emphasized on I²C Bus Technology
- Short Training Course on PLC (Programmable Logic Controller)
- Attended Training of Trainers (ToT) Training Workshop on Net Metering
- Participated in the Hands-on Orientation on Outcomes-based Education (OBE) arranged by Board of Accreditation for Engineering and Technical Education (BAETE), Bangladesh
- Joined in the Workshop Training on “How to Evaluate or Accredite Any Undergraduate or Postgraduate Program / Program Evaluator” organized by BAETE, Bangladesh
- Workshop on “Annual Performance Agreement for Every Institution” conducted by University Grant Commission (UGC), Bangladesh
- Took Part in the BAETE Rajshahi Regional Workshop

Volunteer Activities:

- Served as a Volunteer to coordinate the “Aunkur Undergraduate Scholarship Program” for the Students of Electrical and Electronic Engineering Department at Pabna University of Science and Technology, Pabna, Bangladesh from 01 January 2016 to 31 December 2019

Presentation of Papers, Poster, Given Speeches at Conferences and Seminars:

- 18/05/2012** M. Hafizur Rahman, Mark Pickering, and **Diponkar Kundu**, “Efficient Rotation Invariant Gabor Descriptors for Texture Classification” in 2012 International Conference on Informatics, Electronics and Vision (ICIEV), INSPEC Accession Number: 13058537, 18-19 May 2012, Added to IEEE Xplore: 04 October 2012, DOI:10.1109/ICIEV.2012.6317469.
- 20/09/2014** **Diponkar Kundu**, Ahmed Wasif Reza, and Harikrishnan Ramiah, “Design of an U-slot Folded Shorted Patch Antenna for RF Energy Harvesting” Published in 2nd International Conference on Innovations in Engineering and Technology (ICCET’2014), Penang, Malaysia, pp. 61-65, September 19-20, 2014, (<http://dx.doi.org/10.15242/IIE.E0914046>).
- 15/02/2020** Sadia Narjim, Abdullah Al Mamun, and **Diponkar Kundu** “Diagnosis of Acute Lymphoblastic Leukemia from Microscopic Image of Peripheral Blood Smear Using Image Processing Technique” in Second International Conference on Cyber Security and Computer Science, (ICONCS 2020), Daffodil International University, Dhaka, Bangladesh, 15-16 February, 2020, pp. 515–526, published in the part of Lecture Notes of the Institute for Computer Sciences, Social Informatics and Telecommunications Engineering book series (LNICST, volume 325) by Springer Nature Switzerland AG 2020. ISSN: 1867-8211; ISSN: 1867-822X (electronic); ISBN: 978-3-030-52855-3; ISBN: 978-3-030-52856-0 (eBook). (https://doi.org/10.1007/978-3-030-52856-0_41) (Indexed by SCOPUS).
- 01/02/2021** Tushar Kumar Das, Rakibul Islam, Md. Ebrahim Khallil, Abdullah Al Mamun, **Diponkar Kundu** and Mamunur Rashid “Design Optimization and Economic Analysis of a Hybrid System for a Hilly Area in Bangladesh” – Recent Trends in Manufacturing and Materials Towards Industry 4.0, Page 93-105, February 2021, Online ISBN 978-981-15-9505-9, Lecture Notes in Mechanical Engineering, Springer, Singapore, DOI: https://doi.org/10.1007/978-981-15-9505-9_10.

Publications

1. Diponkar Kundu, Md Jobaier Hossain, Khalid Sifulla Noor, Md. Safiul Islam, A. H. M. Iftekharul Ferdous, Md. Naimur Rahman Naim, Ramesh Manickam, Mysamy Karpagam, Ahmed Nabih Zaki Rashed, "High sensitivity cervical cancer detection employing hollow decagonal core photonic crystal fiber in the Terahertz Region", *Applied Physics A* (2025), Volume: 131, Article Number: 85, ISSN: 0947-8396 (print) 1432-0630 (web); Quartile Rank: Q2 (WoS Indexed), Cite Score: 4.8, IF: 2.5, <https://doi.org/10.1007/s00339-024-08203-1>.
2. Khalid Sifulla Noor, Mir Sabbir Hossain, Most. Momtahina Bani, A. H. M. Iftekharul Ferdous, **Diponkar Kundu** and Safiul Islam, "Leveraging THz photonic crystal fibers for sensitive detection of Staphylococcus aureus bacteria", *Optical and Quantum Electronics*, Published: 12 December 2024, Volume 57, Article Number 28, 2025, ISSN: 0306-8919 (Print) and 1572-817X (Web); Quartile Rank: Q2 (WoS Indexed), Cite Score: 3.7, IF: 3.3, DOI: <https://doi.org/10.1007/s11082-024-07959-3>.
3. Md. Omar Faruk, Kayab Khandakar, **Diponkar Kundu**, A.H.M. Iftekharul Ferdous, Md Muminur Rahman Sonic, Md. Obaydullah Khan, "Terahertz photonic crystal fiber-based edible oil sensor: Performance evaluation and identification", *Applied Food Research*, Volume 4, Issue 2, October 2024, 100537, ISSN 2772-5022, Quartile Rank: Q1 (WoS Indexed), Cite Score: 4.5, IF: 4.5, DOI: <https://doi.org/10.1016/j.afres.2024.100537>; and <https://www.sciencedirect.com/science/article/pii/S2772502224001471>.
4. **Diponkar Kundu**, Md. Omar Faruk, Kayab Khandakar, A.H.M. Iftekharul Ferdous, Most. Momtahina Bani, Khalid Sifulla Noor, "Terahertz photonic crystal fiber sensor: Evaluating performance for chemical identification", *International Communications in Heat and Mass Transfer*", Volume 156, May 2024, 107615, ISSN: 0735-1933, Quartile Rank: Q1 (WoS Indexed), Cite Score: 11, IF: 6.4, DOI: <https://doi.org/10.1016/j.icheatmasstransfer.2024.107615>.
5. **Diponkar Kundu**, Sakhawat Hossain, N. R. Nagarajan, K. V. Karthikeyan, Nalini Neelamegam, Srinivasan Mallan, A. H. M. Iftekharul Ferdous, Maruf Billah and Ahmed Nabih Zaki Rashed, "Optimizing Chemical Sensing Performance: A New Terahertz Waveguide Plasmonic Sensor with Hybrid Refractive Index Integration", *Plasmonics*, Publisher: Springer, February 2024, ISSN: 1557-1963, Quartile Rank: Q3 (WoS Indexed), Cite Score: 5.9, IF: 3.3, DOI: <https://doi.org/10.1007/s11468-024-02221-8>.
6. **Diponkar Kundu**, Md. Sabbir Hossain et al, "Terahertz Square Core Photonic Crystal Fiber Sensor: Revolutionizing Efficient Blood Cell Detection Through Refractive Index Sensing Based on Surface-Enhanced Spectroscopic Properties", *Plasmonics*, Publisher: Springer, January 2024, ISSN: 1557-1963, Quartile Rank: Q3 (WoS Indexed), Cite Score: 5.9, IF: 3.3, DOI: <https://doi.org/10.1007/s11468-023-02182-4>.
7. Tushar Kumar Das, **Diponkar Kundu**, "Feasibility and Sensitivity Analysis of a Self-Sustainable Hybrid System: A Case Study of a Mountainous Region in Bangladesh" *Energy Conversion and Management: X*, Volume 20, June 2023, 100411, ISSN: 2590-1745, Quartile Rank: Q1 (WoS Indexed), Cite Score: 8.8, IF: 7.1, DOI: <https://doi.org/10.1016/j.ecmx.2023.100411>.
8. **Diponkar Kundu**, Enzamam-Ul-Haque, A.H.M. Iftekharul Ferdous et al., "Propagation Characteristics Based Three Dimensional Refractive Index Configurations in Photonic Crystal Fibers for Terahertz Range Petroleum Sensing", *Brazilian Journal of Physics*, June 2024, 54, 150 (2024), ISSN Number: 0103-9733, Quartile Rank: Q2 (WoS Indexed), (<https://wos-journal.info/journalid/21059>), Cite Score: 1.9 , IF: 1.5, DOI: <https://doi.org/10.1007/s13538-024-01530-x>.

9. **Diponkar Kundu**, Sourav Roy, Rubiat Mustak, Mahmoud M. A. Eid, Ahmed Nabih Zaki Rashed, Nibir Mondol, A. H. M. Iftekharul Ferdous, Md. Amzad Hossain and Md. Biplob Hossain, "Feasibility of Halide Perovskite Material-Based Hybrid Surface Plasmon Resonance Biosensor for Formalin Detection: A Numerical Investigation", *Plasmonics*, July 2024, ISSN: 1557-1963, Quartile Rank: Q3 (WoS Indexed), Cite Score: 5.9, IF: 3.3, DOI: <https://doi.org/10.1007/s11468-024-02411-4>.
10. Abu Hena Mohammad Iftekharul Ferdous, Mohammad Rasel Miah, Khalid Sifulla Noor, Mohammad Asaduzzaman, Mohammad Azizul Haque, Mosammot Momtahina Bani, **Diponkar Kundu**, Mohammad Feroz Ali, "Design and Optimization of Photonic Crystal Fibre THz bio-sensor for Extremely Impressive Identification of Dengue", *IET Nanodielectrics* Published by John Wiley and Sons Ltd on behalf of The Institution of Engineering and Technology, 2024, 1–14, ISSN: 2514-3255, Quartile Rank: Q2 (WoS Indexed), Cite Score: 7.6, IF: 3.25, DOI: <https://doi.org/10.1049/nde2.12091>.
11. A. H. M. Iftekharul Ferdous, Bilkis Akter, A. Priya, L. Megalan Leo, R. Thandaiah Prabu, Benjir Newaz Sathi, **Diponkar Kundu**, Md. Golam Sadeque, Md. Shahareaj Islam, Shaik Hasane Ahammad and Ahmed Nabih Zaki Rashed, "Octagonal PCF with Square-Core for Surface Enhanced Spectroscopic Properties: a New Frontier in Terahertz Chemical Sensing", *Plasmonics*, Publisher: Springer, October 2023, ISSN: 1557-1963, Quartile Rank: Q3 (WoS Indexed), Cite Score: 5.9, IF: 3.3, DOI: <https://doi.org/10.1007/s11468-023-02074-7>.
12. A. H. M. Iftekharul Ferdous, Shoyeb Mahmud, V. Vedanarayanan, T. D. Subha, **Diponkar Kundu** et al., "High-sensitivity Chemical Sensing and Detection Applications Based on Octagonal-shaped Hybrid Photonic Crystal Fiber with a Hexagonal Core", *Journal of Optics*, February 2024, ISSN: 2040-8986, Quartile Rank: Q3 (WoS Indexed), Cite Score: 2.6, IF: 2, Publisher: Springer, DOI: <https://doi.org/10.1007/s12596-024-01654-y>.
13. A. H. M. Iftekharul Ferdous, V. Kannan, E. Logashanmugam, Twana Mohammed Kak Anwer, Shamim Anower, Ahmmad Musha, **Diponkar Kundu**, Golam Sadeque, Shaik Hasane Ahammad, Ahmed Nabih Zaki Rashed and Amzad Hossain, "High-Sensitivity Pentagonal-Shaped Plasmonic Photonic Crystal Fiber for Sulfuric Acid Concentration Sensing", *Plasmonics*, Publisher: Springer, July 2023, Volume 18, Pages 2143–2153, ISSN: 1557-1963, Quartile Rank: Q3 (WoS Indexed), Cite Score: 5.9, IF: 3.3, DOI: <https://doi.org/10.1007/s11468-023-01923-9>.
14. A. H. M. Iftekharul Ferdous, Benjir Newaz Sathi, Md. Shahareaj Islam, **Diponkar Kundu**, Twana Mohammed Kak Anwer, Shaik Hasane Ahammad, Md. Amzad Hossain, Mahmoud M. A. Eid and Ahmed Nabih Zaki Rashed, "A Highly Sensitive Terahertz Waveguide Plasmonic Sensor for Ethanol Sensing", *Plasmonics*, Publisher: Springer, 12 May 2023, Volume 18, Pages 1511–1519, ISSN: 1557-1963, Quartile Rank: Q3 (WoS Indexed), Cite Score: 5.9, IF: 3.3, DOI: <https://doi.org/10.1007/s11468-023-01875-0>.
15. A. H. M. Iftekharul Ferdous, Md Naimur Rahman Naim, Khalid Sifulla Noor, **Diponkar Kundu** and Ahmed Nabih Zaki Rashed, "Innovative Refractive Index Sensor Utilizing Terahertz Spectrum for Early Cancer Detection: a Photonic Crystal Fiber Approach", *Cell Biochemistry and Biophysics*, ISSN Number: 1559-0283, August 2024, Quartile Rank: Q2 (WoS Indexed), Cite Score: 3.3, IF: 2.6, DOI: <https://doi.org/10.1007/s12013-024-01479-3>.
16. Sourav Roy, Nibir Mondol, **Diponkar Kundu**, Anisha Anjum Meem, Md. Rasidul Islam, Md. Amzad Hossain, Md. Biplob Hossain, "Numerical Investigation into Impact of Halide Perovskite Material on the Optical Performance of Prism-Loaded Hybrid Surface Plasmon Resonance Biosensor: A Strategy to Increase Sensitivity", *Sensing and Bio-Sensing Research*, Volume 43, February 2024, 100630, ISSN: 2214-1804, Quartile Rank: Q1 (WoS Indexed), Cite Score: 10.7, IF: 5.3, DOI: <https://doi.org/10.1016/j.sbsr.2024.100630>.

17. Sourav Roy, S.M. Tasmeeh Ahsan, Nibir Mondol, Md. Mahmudul Hasan, **Diponkar Kundu**, Shakil Mahmud Bobby, Mehedi Hassan, Md. Sanwar Hossain, Md. Rasidul Islam, Md. Biplob Hossain, Shuvagoto Dhar, Md. Amzad Hossain, "Comparative Investigation into Key Optoelectronic Characteristics of Semipolar InGaN Blue Laser Diodes: A Strategy to Mitigate Quantum-confine Stark Effect", Results in Physics, Volume 34, March 2022, 105246, ISSN 2211-3797, Quartile Rank: Q1 (WoS Indexed), Cite Score: 8.7, IF: 5.3, DOI: <https://doi.org/10.1016/j.rinp.2022.105246>.
18. Sourav Roy, S.M. Tasmeeh Ahsan, Ashraful Hossain Howlader, **Diponkar Kundu**, Shakil Mahmud Bobby, Md. Rasidul Islam, Md. Shahrukh Adnan Khan, Shuvagoto Dhar, Md. Amzad Hossain, "Comparative Investigation into Polarization Field-Dependent Internal Quantum Efficiency of Semipolar InGaN Green Light-Emitting Diodes: A Strategy to Mitigate Green Gap Phenomenon", Materials Today Communications, Volume 31, June 2022, 103705, ISSN: 2352-4928, Quartile Rank: Q2 (WoS Indexed), Cite Score: 5.2, IF: 3.8, DOI: <https://doi.org/10.1016/j.mtcomm.2022.103705>.
19. Sourav Roy, Md. Shohanur Rahman, **Diponkar Kundu**, Farhana Akter Piata, Md. Rafiqul Islam, "Numerical Investigation into Photovoltaic Performance of Organolead Trihalide Perovskite Quantum Dot Intermediate Band Solar Cell", Materials Science Forum, ISSN: 1662-9752, Janaury 2022;1048:172–81, Quartile Rank: Q3 (WoS Indexed), Cite Score: 1.2, IF: 0.48, DOI: <https://doi.org/10.4028/www.scientific.net/msf.1048.172>.
20. Mohammed Jaber Alam, Gafur, Abdul; Rashid, Syed Zahidur; Sadeque, Md Golam; Kundu, **Diponkar Kundu** et al, "Permutation Based Load Balancing Technique for Long Term Evolution Advanced Heterogeneous Networks", International Journal of Electrical and Computer Engineering, Yogyakarta, Volume 12, Issue 6, December 2022: 6311-6319. DOI:10.11591/ijece.v12i6.pp6311-6319.
21. **Diponkar Kundu**, Md. Hafizur Rahman, "Design a DC to DC Boost Converter and Analysis the Performance of Converter in MATLAB" - American Based Research Journal, ISSN: 2304-7151, Volume 9, Issue 10, Page 1-6, October 2020 (IF: 2.32).
22. **Diponkar Kundu**, Md. Ebrahim Khallil, Tushar Kumar Das, Abdullah Al Mamun, Ahmmad Musha, "Smart Home Automation System Using on IoT", International Journal of Scientific and Engineering Research, ISSN 2229-5518, Volume 11, Issue 6, June 2020 (<https://doi.org/10.14299/ijser.2020.06.03>).
23. Md. Zamilis Siam, **Diponkar Kundu**, "Study Various Methods and Use Wavelet Transform for Fault Detection and Classification of Underground Transmission Line by Using MATLAB" - American Based Research Journal, ISSN: 2304-7151, Volume 9, Issue 10, Page 7-13, October 2020 (IF: 2.32).
24. Kazal Kumar Saha, Sohrab Hossain Razu, and **Diponkar Kundu**, "Implantable CPW fed M Shaped Antenna for Biomedical Applications" Journal of Electrical and Electronic Engineering, ISSN: 2329-1613 (Print); ISSN: 2329-1605 (Online), Volume 7, Issue 2, Pages: 42-45, April 2019 (doi: 10.11648/j.jeee.20190702.12) (IF: 0.22).
25. Sadia Narjim, Abdullah Al Mamun, and **Diponkar Kundu** "Diagnosis of Acute Lymphoblastic Leukemia from Microscopic Image of Peripheral Blood Smear Using Image Processing Technique" in Second International Conference on Cyber Security and Computer Science, (ICONCS 2020), Daffodil International University, Dhaka, Bangladesh, 15-16 February, 2020, pp. 515–526, published in the part of Lecture Notes of the Institute for Computer Sciences, Social Informatics and Telecommunications Engineering book series (LNICST, volume 325) by Springer Nature Switzerland AG 2020. ISSN: 1867-8211; ISSN: 1867-822X (electronic); ISBN: 978-3-030-52855-3; ISBN: 978-3-030-52856-0 (eBook).(https://doi.org/10.1007/978-3-030-52856-0_41) (Indexed by SCOPUS).

26. **Diponkar Kundu**, Dilip Kumar Sarker, Md. Galib Hasan, Pallab Kanti Podder, and Md. Masudur Rahman “Performance Analysis of an InGaAs based p-i-n Photodetector”- International Journal of Soft Computing and Engineering, ISSN: 2231 – 2307, Volume 2, Issue 1, March 2012, pp. 316-321.
27. Dilip Kumar Sarker, **Diponkar Kundu**, Pallab Kanti Podder, Md. Masudur Rahman, and Kallol Krishna Karmakar “Effect of Structure Parameters on the Signal Strength in a Solid Beam Driven Plasma-Loaded Backward Wave Oscillator” Global Journal of Researches in Engineering, Online ISSN: 2249-4596 and Print ISSN: 0975-5861, Volume 12, Issue 3, Version 1.0, March 2012, pp. 19-23.
28. Pallab Kanti Podder, Dilip Kumar Sarker, and **Diponkar Kundu** “Real-Time Face Recognition System Based On Morphological Gradient Features and ANN”- Global Journal of Researches in Engineering, Online ISSN: 2249-4596 and Print ISSN: 0975-5861, Volume 12 Issue 2 Version 1.0, February 2012, pp. 13-17.
29. Pallab Kanti Podder, Fahmida Islam, Dilip Kumar Sarker, Md. Galib Hasan, and **Diponkar Kundu**, “An Analytical Study for the Performance Analysis of Propagation Models in WiMAX”- International Journal of Computational Engineering Research, ISSN: 2250 – 3005, Volume 2, Issue 1, January-February 2012, pp. 175-181.
30. Dilip Kumar Sarker, Md. Mortuza Ali, **Diponkar Kundu**, Pallab Kanti Podder, and Md. Galib Hasan “Effect of Waveguide Parameters on the Growth Rates in a Solid Beam Driven Plasma Loaded Backward Wave Oscillator”- International Journal of Soft Computing and Engineering, ISSN: 2231 – 2307, Volume 1, Issue 6, January 2012, pp. 226-231.
31. Dilip Kumar Sarker, Md. Mortuza Ali, **Diponkar Kundu**, Md. Galib Hasan, and Pallab Kanti Podder “Analytical Study of a Solid Beam Driven Plasma-Loaded Backward Wave Oscillator” Global Journal of Researches in Engineering, Online ISSN: 2249-4596 and Print ISSN: 0975-5861, Volume 12, Issue 1 Version 1.0, January 2012, pp. 17-22.

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