

CURRICULUM VITAE

Md. Nahian Chowdhury

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Professional Experience:

Assistant Professor of Physics: 16/10/2016 - till date

Lecturer in Physics: 15/04/2012 - 15/10/2016

Department of Basic Sciences and Humanities, University of Asia Pacific, Dhaka, Bangladesh

- Responsible for conducting courses on Physics for undergraduate students as well as laboratory works.
- Convener of 'Central Routine and Final Exam Co-ordination Committee', University of Asia Pacific.
- Member of 'UDC Working Group on Space Utilization', University of Asia Pacific.
- Former member of 'Institute of Energy, Environment, Research and Development (IEERD) Scrutiny Committee', University of Asia Pacific.
- Member of 'Central Cultural Club', University of Asia Pacific.

Academic Credentials:

Master of Science

- Institute : Department of Physics, Shahjalal University of Science and Technology (SUST), Sylhet, Bangladesh
- Year of passing : 2008 (Exam held in January 2011)

Bachelor of Science

- Institute : Department of Physics, Shahjalal University of Science and Technology (SUST), Sylhet, Bangladesh
- Year of Passing : 2007 (Exam held in July 2009)

MS Thesis:

"Study on Gravitational Radiation from Keplerian Binary with Oscillating Orbital Plane" under the supervision of Dr. Syed Badiuzzaman Faruque, Professor, Department of Physics, Shahjalal University of Science and Technology, Sylhet, Bangladesh.

Publications:

1. Mohammad Jellur Rahman, Md. Forhad Hossain, Md. Johurul Islam, Tetsu Mieno, and **M.N. Chowdhury**, Carbon Nanotube Reinforced Natural Rubber Nanocomposite as a Stretchable Electronic Material, *JMEPEG* 32 (2022) 5338-5345.
2. Md. Tofajjal Hossen Bhuiyan and **Md. Nahian Chowdhury**, Investigation of Structural, Elastic, Thermodynamic, Electronic, and Optical Properties of α -phase NaCoO₂: A DFT Approach, *Pabna University of Science and Technology Studies*, 4(1) (2020) 17-22.
3. **M.N. Chowdhury**, M.T.H. Bhuiyan, M.D.I. Bhuyan, S.B. Faruque, Intensity of gravitational wave emitted by an oscillating Keplerian binary, *New Astronomy* 51 (2017) 28-31.
4. M.T.H. Bhuiyan, **M.N. Chowdhury**, Mst. Shahanaz Pervin, Potential Nanomaterials and their Applications in Modern Medicine: An Overview, *ARC Journal of Cancer Science*, 2(2) (2016) 25-33.
5. M.T.H. Bhuiyan, **M.N. Chowdhury**, Rehana Akter, Md. Hafijur Rahman, Md. Afjalur Rahman and Mala Khan, Determination of Thermophysical Properties of Edible Oil at High Temperature Using Differential Scanning Calorimetry (DSC), *Middle-East J. Sci. Res.* 24(10) (2016) 3302-3306.
6. M.A. Rahman, Md. Tofajjal Hossen Bhuiyan, M.M. Rahman, **M.N. Chowdhury**, Comparative Study of Absorbed Doses in Different Phantom Materials and Fabrication of a Suitable Phantom, *MJMBR* 3 (2016) 19-24.
7. Md. Tofajjol Hossen Bhuiyan, **M.N. Chowdhury**, M.D.I. Bhuyan, S.B. Faruque, Study the characteristics and connectivity of different climatic parameters: temperature, humidity, BMD & TRMM rainfall of summer monsoon in Bangladesh, *APJEE* 2 (2015) 111-116.
8. M.T.H. Bhuiyan, M.D.I. Bhuyan, **M.N. Chowdhury**, Choudhury Wahid and S.B. Faruque, Characteristics of Diurnal Variation of Summer Monsoon Rainfall over Bangladesh and its Adjacent Areas, *JETEAS* 5(3) (2014) 217-221.

Conference Proceedings:

“Intensity of gravitational wave emitted by an oscillating Keplerian binary”, M. N. Chowdhury, International Conference on Physics, Atomic Energy Centre, Dhaka, Bangladesh, March 2016.