Personal Profile

Name	Dr. Chinmoy Taraphdar	
Designation	Associate Professor of Physics	
Date of birth	01/12/1967	
Educational qualification	M.Sc. , Post M.Sc., Ph.D.	
Permanent address	Flat – 6A, 4 – Sight Prestige, 159 Garia Station Road , Kolkata – 84 , Pin – 700084, WB	
Contact number	9163269099 / 9434588597	
E-mail	chinmoytaraphdar@yahoo.com chinmoy@bankurachristiancollege.in	
Date of joining this institution	06/01/2000	
Past services	NA	
Areas of teaching	Physics Nuclear Physics, Mathematical Methods, Electrostatics and Electrodynamics, Physics of Earth, Environmental Studies, Programming on Python, Programming on Scilab …… etc.	
Vidwan Portal ID	286326	
ORCID ID	NA	
Google Scholar ID	NA	
Research Gate ID	NA	

Faculty Development Programme

a) 37th Orientation Programme: From 09/03/2002 to 05/04/2002 at ASC (BU)

b) 09th Refresher Course on EVSc: From 26/02/2005 to 18/03/2005 at ASC (BU)

c) 04th Refresher Course on Computer Sc: From 06/03/2013 to 28/03/2013 at ASC (BU)

d) 01st Short Term Course on Remote Sensing and GIS: From 29/12/2015 to 04/01/2016 in UGC-HRDC (B.U).

e) 01st Refresher Course on E.V.Sc and its Mitigation Measure: From 02/01/2017 to 21/01/2017 in UGC-HRDC (J.U).

Research JournalPublication (National and International)

International:

1. Chinmoy Taraphdar, TanayChattopadhyay and JitendraNath Roy "Designing of an all-optical scheme for single input ternary logical operations" Optik - International Journal for Light and Electron OpticsVolume 122, Issue 1, January 2011, Pages 33-36 [Publisher : Elsevier]
2. Chinmoy Taraphdar, TanayChattopadhyay and JitendraNath Roy "Mach–Zehnder interferometer-based all-optical reversible logic gate" Optics & Laser Technology Volume 42, Issue 2, March 2010, Pages 249-259 [Publisher : Elsevier]
3. Gayen, D.K.; Bhattacharyya, A.; Taraphdar, C.; Pal, R.K.; RoY, J.N.; All-Optical Binary-Coded Decimal Adder with a Terahertz Optical Asymmetric Demultiplexer This paper appears in: Computing in Science & Engineering, Issue Date: Jan.-Feb. 2011, Volume: 13 Issue:1; On page(s): 50 – 57, ISSN: 1521-9615,References Cited: 18, INSPEC Accession Number: 1745447 , Date of Publication: 01 December 2009, Date of Current Version: 30 December 2010, Sponsored by: IEEE Computer Society American Institute of Physics
4. Dilip Kumar Gayen, JitendraNath Roy, Chinmoy TaraphdarandRajat Kumar Pal " All-optical reconfigurable logic operations with the help of terahertz optical asymmetric demultiplexer"Optik - International Journal for Light and Electron Optics Volume 122, Issue 8, April 2011, Pages 711-718
5. Dilip Kumar Gayen, JitendraNathRoy, ChinmoyTaraphdarandRajat Kumar Pal "TERAHERTZ OPTICAL ASYMMETRIC DEMULTIPLEXER BASED ALL OPTICAL DATA COMPARATOR" Optik - Journal of Circuits, Systems, and Computers (JCSC), Volume: 19, Issue: 3(2010) pp. 671-682 [Publisher: World Scientific Publishing Co.]
6. Goutam Kumar Maity, TanayChattopadhyay, Dilip Kumar Gayen, Chinmoy Taraphdar, Anup Kumar Maiti, Santi Prasad Maity and JitendraNath Roy. "All-optical binary flip-flop with the help of Terahertz Optical Asymmetric Demultiplexer" Natural ComputingVolume 9, Number 4, 903-916, DOI: 10.1007/s11047-009-9162-8 [Publisher : Springer]

7. TanayChattopadhyay, Chinmoy Taraphdar, and JitendraNath Roy, " Quaternary Galois field adder based all-optical multivalued logic circuits, Applied Optics, Vol. 48, Issue 22, pp. E35-E44 (2009) [Publisher: Optical Society of America]
8. Chinmoy Taraphdar"Designing of All Optical Two Bits Full Adder using TOAD, TMIN and Feynman Gate"International Journal of Computational Intelligence Research (IJCIR) ISSN 0973 – 1873 Vol. 13, No. 5 (2017) pp. 841-849
9. Chinmoy Taraphdar"All Optical Single Bits Full Adder using Ternary MIN and MZI based Feynman Gate" – This paper is accepted by Advances in Computational Sciences and Technology (ACST) [Acceptance Letter is received on July 14, 2017.
10. Chinmoy Taraphdar" Hamilton's Canonical Equations for a Classical System with Velocity Dependent Potential Energy – A Mathematical Review "Global Journal of Mathematical Sciences: Theory and Practical (GJMS) ISSN 0974 – 3244 Vol. 9, No. 2 (2017) pp. 133-138

College Journal:

1. Entropy Equation for Radiation Dominating Early Universe in Newtonian Cosmology and its Failure in Matter Dominating Present Universe:By.Chinmoy Taraphdar. [Published in Wesleyan Journal of Research (A Peer Reviewed Research Journal) in Vol.2, No.2, June, 2009]
2. "Designing of an All Optical Scheme for the Combination of the Logical Operations of two Bits Binary Adder and Subtractor" By. Chinmoy Taraphdar. [Published in Wesleyan Journal of Research (A Peer Reviewed Research Journal) in Vol.9, No.1, June, 2016]

National: NA

Books / Book Chapters / Monographs

◙ Author of the book"Classical Mechanics" (*Asian Books Publication*) inDegree Honours Level

◙ Proposed Author of the book"Electricity and Electromagnetism"(*Books and Allied Publication)* in Degree Honours and PG Levelfor all Indian Universities and publishing work of this book is going on.

POPULAR ARTICLES

PAPER PRESENTATION/ PARTICIPATION: CONFERENCES/SEMINARS /SYMPOSIA /WORKSHOPS

Title of the Seminar/Conference/Workshop	Title of the Paper	Sponsoring Agency	Name of the Host Institution	Date(s)
1. International Conference on Computers and Devices for Communication (CODEC 2009)	"Polarization Encoded All Optical Ternary Max Gate"	Department of Radio Physics and Electronics, University of Calcutta, West Bengal, India	Hyatt Regency, Kolkata	14 – 16 December 2009
2. International Conference on Emerging Trends in Science, Technology, Agriculture and Management	"Designing of an All Optical Scheme for the Logical Operation for Combined two Bits Binary Half Adder and Half Subtractor"	DST, Govt. of India, New Delhi, India	Central Agriculture University in Collaboration with International Multidisciplinary Research Foundation (IMRF) on at Ranipool, Gangtok, Sikkim	April 21–23, 2016
3. UGC Sponsored National Seminar on Man – Environment Interrelations, Issues, Challenges and Remedies	"Input of Population Explosion on Environment"	UGC	Department of Geography, Bankura Christian College, Bankura.	December 2-3, 2015
4. National Conference on Recent Trends on Photonics and Materials (NCRTPM – 2016)	"Designing of an all optical scheme for the logical operation of two bits binary half adder"	UGC	Department of Physics, Sidho – Kanho – Birsha University, Purulia.	March 10 – 12, 2016

5. National Seminar	"Today's Environmental Problems in India and its Remedial Measure – a Practical Review of Environment Education"	UGC	Department of Physics, Bankura ZillaSaradamaniMahilaMahavidyapith, Bankura.	September 23-24, 2016
6. 1st Regional Science and Technological Congress, Burdwan Division	Construction of Optical Eye Piece for both Clear Image Formation and Faithful Measurement"	Department of Science and Technology, Govt. of West Bengal	Department of Science and Technology, Govt. of West Bengal and Bankura Christian College, Bankura, held on at Bankura Christian College.	November 07 – 08 , 2016

Research Projects **NA**

- Name of the Research Project:
- Funded by:
- Amount sanctioned:
- Memo No. and Date:
- Date of Completion:

Research Guidance **NA**

- Name of the candidate:
- Registration No:
- Date of Registration: dd/mm/yy
- Area of Research: Title
- Awarded/Ongoing:

Award/Recognition/Member of Board of studies/Academic Activities

"VIDYA RATAN AWARD FOR BEST PERFORMANCE" – (Award given for Individual Contribution to National Economic and Social Development) given by'The Economic for Health and Educational Growth' at New Delhi on 07th October, 2017.

Community Work/Social Activity

NA

Any other

1. NET (CSIR)Qualified in 1989.2. NET (UGC)Qualified in 1997.3. SLETQualified in 1997.