

**BASIC PROFILE****DR. PRADIPTA PANCHADHYAYEE****Associate Professor****Department of Physics (UG & PG)***pradipta@pkcollegecontai.ac.in; ppcontai@gmail.com**Contact No: (+91) - 7908190612***Academic Qualification: M.Sc., Ph.D.****SERVICE HISTORY**

Date of Joining	:	18.01.2001
Experience in Teaching	:	UG [23 yrs]; PG: 17 yrs
Area of Teaching: Electrodynamics, Quantum Mechanics, Solid State Physics, Mathematical Physics, Applied Optics		
Area of Specialization: Solid State Physics		
Participation in Administrative activities:		
PG Coordinator, Department of Physics (PG), P. K. College, Contai (2006-09, 2014-16 and 2017-19)		
Member, Governing Body (2014-2018)		
Member, Academic Subcommittee, P. K. College, Contai (2014-15 and 2017-2018)		
Board of Studies, UG, Vidyasagar University (Session: 2012-13 – 2016-17)		
Board of Studies, PG, P. K. College, Contai (2015-18)		
Board of Studies, PG, Midnapore College (Autonomus) (2014-2018)		
Member, Library Committee (2010-2014, 2019-20)		
Member, IQAC (2010-11)		
Member, RUSA Monitoring Cell (2010-11 – 2016-17)		
Member, UGC Affairs Committee (2010-16)		
Member, Building Subcommittee (2014-18)		
Convener, Technical Committee (Online Admission) (2014-17)		
DST-FIST Project Implementation Group (2018-2023)		
Coordinator, NAAC (2019-2022)		
Coordinator, IQAC (2020-)		
Member, PhD Committee & Steering Committee, Research Centre in Natural Sciences, P K College (2019-)		
Member, UGC Affairs Committee (from 2022-)		

ACADEMIC PROFILE**Academic Record:**

Degree	University/Institute	Year	Remarks (if any)
B. Sc. [Physics (Honours)]	Prabhat Kumar College, Contai (Vidyasagar University)	1994	First Class First
M. Sc. [Physics]	Vidyasagar University	1996	First Class First (University Blue)
Ph. D. [Physics] (Tunnelling in electrically biased semiconductor Multi-barrier systems)	Vidyasagar University	2009	Supervisor: Prof. P K Mahapatra

Awards/Special Attainments:

- University Gold Medal for B.Sc. (Honours); University Gold Medal for M.Sc; Sucharita Basu Endowment Medal (Gold) and Janardan Ghorai Endowment Medal (Gold) for University Blue.

**RESEARCH PROFILE****Area of Research Interest: Quantum Optics, Guided Wave Optics and Tunneling in Semiconductor Devices****Research Experience** : **14 years** (after PhD; involved in research till date)**Conference/Seminar / Workshop Organised:****Organising Secretary** in UGC-sponsored National Seminar on ‘**50 years of laser: Promises & Challenges**’ organized by Deptt. of Physics, P. K. College, Contai; Date: 8-9.01.2012.**Organiser** of the **College sponsored One-day Workshop on LIGHT** for School Teachers & Students for celebration of International Light Year, Deptt. of Physics, P. K. College, Contai; Date: 12.09.2015**Organising Secretary** in UGC-sponsored National Seminar on ‘**Recent Trends in Cosmology & Future Challenges (RTCFC 2015)**’ organized by Deptt. of Physics, P. K. College, Contai; Date: 3-4.12.2015.**Organiser** of the **College sponsored 3-day Workshop of Hands On Experiments on LIGHT** for School Teachers & Students for celebration of International Light Year, Deptt. of Physics, P. K. College, Contai; Date: 8-10.07.2016.**Programme Coordinator** in Two-day State-level Workshop on ‘**Computer Programming & Applications (WCPA – 18)**’ organized by Deptt. of Physics, P. K. College, Contai; Date: 12-13.07.2018.**Programme Coordinator** in One-day State-level Workshop on ‘**Relevance of Professor S N Bose in modern perspective**’ organized by Deptt. of Physics, P. K. College, Contai; Date: 01.10.2018.**Convener in a National Seminar** on ‘Ethical Issues in Research’ organized by IQAC, P. K. College, Contai in association with IARA; Date: 27.07.2019.**Programme Coordinator** in a Three-Day ‘**Interactive Workshop on Experimental Physics (IWEP-2019)**’ organized by Department of Physics, P.K.College, Contai in Association with Contai Science Academy (CSA) sponsored by West Bengal State Council of Science and Technology. Date: 13-15.09.2019.**Convener** in a Three-Day International Webinar (Lecture Series) on ‘**Quantum World: Past, Present, & Future**’ organized by Deptt. of Physics, P. K. College, Contai; Date: 03,08,11.07.2020.**Coordinator** of National Examination Centre (P. K. College, Contai), **National Graduate Physics Examination (NGPE), 2020; Member, Organising Committee, NGPE, 2021****National Coordinator** of **National Competition in Computational Physics 2022 (NCICP 2022)** organised by **Indian Association of Physics Teachers (IAPT)****International Seminar Science Forum****National Coordinator** of **National Competition in Computational Physics 2023 (NCICP 2023)** organised by **Indian Association of Physics Teachers (IAPT)****Projects completed:**

Title	Funding Agency	Year	Amount (Rs.)
Study of Resonant Tunneling Phenomenon in Electrically Biased Generalized Thue-Morse Semiconductor Superlattices (as Co-PI)	UGC	2009-11	71,000
Optical analogue of various quantum effects in optical waveguide systems: classical and quantum approaches (as PI)	UGC	2014-16	3,40,000

Ongoing Projects: As a member of **Project Implementation Group (2018-2023)** under **DST-FIST** scheme. **Fund Sanctioned: 110 lac.****Involvement in other research activities:****Supervisor: Doctoral Student: 1** (awarded in 2019); **2** (enrolled); **1** (yet to be registered)**Mentor of Project Category 13 of CSIR-Summer Research Training Programme (SRTP), 2020****Supervisor of Summer Research Training Programme (SRTP), Department of Physics (UG & PG), Prabhat Kumar College, Contai**



Awards / Recognitions:
First position in the Oral presentation, 4 th Regional Science & Technology Congress (Western Region), 2019, Dec. 09-10, 2019.
Second position in the Oral presentation, 5 th Regional Science & Technology Congress (Western Region), 2022-23, Dec. 13-14.01.2023.
Certificate of outstanding contribution in Reviewing, Physics Letters A (Elsevier)
Reviewer:
<ul style="list-style-type: none"> • <i>Physica E: Low-dimensional Systems and Nanostructures</i> - Elsevier • <i>Journal of Optical Society of America B</i> - Journal of Optical Society of America • <i>Physics Letters A</i> – Elsevier • <i>Quantum Information Processing</i> - Springer • <i>Optics Communication</i> - Elsevier • <i>Journal of Applied Physics</i> – American Institute of Physics • <i>Superlattices & Microstructures</i> – Elsevier • <i>Materials Science in Semiconductor Processing</i> – Elsevier • <i>Optical Engineering</i> – SPIE • <i>Physica Scripta</i> – IOP • <i>European Physical Journal Plus</i> - Springer • <i>Canadian Journal of Physics</i> – Canadian Science Publishing (NRC Research Press) • <i>Indian J Physics</i> - Springer • <i>Indian J Pure & Applied Physics</i> – NISCAIR • <i>IEEE International Nano-Electronics Conference</i> at Taiwan, 2011 • <i>3rd International Symposium on Next-Generation Electronics</i> (ISNE 2014). • <i>Current Nanoscience</i> – Bentham Science Publishers. • <i>Pramana</i> – Indian Academy of Sciences. • <i>Applied Optics</i> – Optica Publishing Group (formerly OSA) • <i>Laser Physics Letters</i> - IOP • <i>Scientific Reports</i> – Nature • <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> - IOP
Involvement in Academic/ Professional Organizations:
<ul style="list-style-type: none"> • Life Member - Indian Association of Physics Teachers (IAPT) • Life Member - Indian Physics Association (IPA) • Life Member - Indian Physical Society (IPS) • Life Member - Optical Society of India (OSI) • Life Member - Indian Laser Association (ILA) • Life Member - Bangiya Bijnan Parishad • Life Member – Institute of Astronomy, Space & Earth Science (IASSES)
Editorial Board Member:
<ul style="list-style-type: none"> • Scientific Researches in Theoretical and Applied Physics, published by the Faculty of Physics University of Tabriz, Tabriz –Iran • Journal of Modern and Applied Physics, PULSUS Group • Bijnan Banhi (ISSN: 2348-6562) • Bijnan Trisha (ISSN: 2395–3004) • Pratiphalan (ISSN: 2394-9856) (Formerly) • Print version of ‘<i>Bigyan</i>’, published as a collaborative activity of bigyan.org.in, one of the largest science outreach initiatives in Bengali, and Contai Science Academy (CSA)
Publications:
Books :
❖ <i>Tunneling in Electrically Biased Semiconductor Multibarrier Systems: Resonant Tunneling & Its Time-dependent Aspects</i> – (Co-authored by Prof. P. K. Mahapatra) - Lambert Academic Publishing, Germany, 2012; ISBN: 978-3-8484-2208-1



- ❖ **রোবট বানানোর কলাকৌশল (প্রাথমিক পরব) [robot bananor kalakoushal; prathamik parba]:** Kousik Nanda and **P. Panchadhyayee** - Taurean Publications, Kolkata; 2022; ISBN: 978-93-91074-87-6

Edited Books:

- ❖ **COSMOQUEST** – An Edited Volume (Co-edited by G. Manna) published as a Post Conference Proceedings on the 2-Day National Seminar on **Recent Trends in Cosmology & Future Challenges (RTCFC 2015):** ISBN - 978-81-87687-61-4
- ❖ **On the trails of a comet: Revisiting the life and works of N.C. Rana [এক ধূমকেতুর স্বরূপ সন্ধানঃ নারায়ণ চন্দ্র রাণার জীবন ও কর্মের পুনর্মূল্যায়ন]:** Saibal Ray, Nandagopal Patra, **P. Panchadhyayee**, and Anubhab Bera - Kabitika, Midnapore; 2022; ISBN: 978-93-91309-88-6

Journals: (A) International Journals:

1. P. K. Mahapatra, **P. Panchadhyayee**, and C. L. Roy: *Band structure of realistic model for semiconductor superlattices*, Indian J. of Pure & Appl. Phys. 39, 296-307 (2001)
2. Arif Khan, S. Sinha, and **P. Panchadhyayee**: *Density of states in an electrically biased quantum well*, Pramana 69, 651-659 (2007)
3. P. K. Mahapatra, S. Sinha, and **P. Panchadhyayee**: *Role of staircase potential in the energy spectrum of a periodic system*, Physica B 403, 3365-3373 (2008)
4. P. K. Mahapatra, **P. Panchadhyayee**, S. P. Bhattacharya, and A. Khan: *Resonant tunneling in electrically biased multibarrier systems*, Physica B 403, 2780-2788 (2008)
5. **P. Panchadhyayee**, R. Biswas, A. Khan, and P. K. Mahapatra: *Current density in generalized Fibonacci superlattices under a uniform electric field*, J. Phys. Condens. Matt. 20, 275243(7pp) (2008)
6. **P. Panchadhyayee**, R. Biswas, A. Khan, and P. K. Mahapatra: *Electric-field-induced resonant tunneling lifetime in semiconductor multibarrier systems*, J. Appl. Phys. 104, 084517(4pp) (2008)
7. **P. Panchadhyayee**, R. Biswas, C. Sinha, and P. K. Mahapatra: *The effect of quasi-periodicity on the resonant tunneling lifetimes of states in electrically biased semiconductor superlattices*, J. Phys. Condens. Matt. 20, 445229(8pp) (2008)
8. R. Biswas, C. Sinha, **P. Panchadhyayee**, and P. K. Mahapatra: *Tunneling escape rate in dc-biased periodic multibarrier semiconductor heterostructures*, Physica B 405, 3409-3411 (2010)
9. S. Mukhopadhyay, **P. Panchadhyayee**, R. Biswas, and C. Sinha: *Influence of Al concentration on the current density in GaAs-Al_cGa_{1-c}As Generalized Thue-Morse superlattices*, Eur. Phys. J: B 80, 477-483 (2011)
10. I. Bayal, **P. Panchadhyayee**, B. K. Dutta and P. K. Mahapatra: *Optical trapping with modified exponential decay in optical waveguides via dressed continuum*, J. Mod. Opt. 59(3), 226-234 (2012)
11. I. Bayal, B. K. Dutta, **P. Panchadhyayee**, and P. K. Mahapatra: *Phase control of absorption, dispersion and gain of weak signal field in erbium doped optical fiber*, J. Opt. (Springer) 41(4), 235-242 (2012)
12. B. K. Dutta, **P. Panchadhyayee**, P. K. Mahapatra: *Phase coherence and Rabi frequency induced ultranarrow spectral line*, Phys. Lett. A 376, 3439–3444 (2012)
13. B. K. Dutta, **P. Panchadhyayee**, P. K. Mahapatra: *Precise localization of a two-level atom by the superposition of two standing-wave fields*, J. Opt. Soc. Am. B 29 (12), 3299-3306 (2012)
14. **P. Panchadhyayee**, B. K. Dutta, P. K. Mahapatra: *Decay interference induced high precision localization in a multilevel atom via controlled spontaneous emission*, J. Mod. Opt. 59(19), 1705-1716 (2012)
15. B. K. Dutta, **P. Panchadhyayee**, P. K. Mahapatra: *Coherent control of localization of a three-level atom by symmetric and asymmetric superpositions of two standing-wave fields*, Laser Phys. 23(4), 045201 (2013)



16. I. Bayal, B. K. Dutta, **P. Panchadhyayee**, and P. K. Mahapatra: *Modulation of spatial propagation dynamics in a three-core linear directional coupler*, Opt. Engg. 52(5), 054003 (2013)
17. **P. Panchadhyayee**: *Efficient band-pass and stop-band filtering by GaAs-AlcGa1-cAs generalized Thue-Morse multibarrier systems*, Phil. Mag. 93(20), 2654–2661 (2013)
18. **P. Panchadhyayee**: *Role of strongly modulated coherence in transient evolution dynamics of probe absorption in a three-level atomic system*, Opt. Commun. 309(C), 95-102 (2013)
19. I. Bayal, B. K. Dutta, **P. Panchadhyayee**, and P. K. Mahapatra: *Variable-coupling-induced optical trapping in optical waveguides via dressed continuum*, J. Mod. Opt. 60(12), 1006-1014 (2013)
20. I. Bayal, B. K. Dutta, **P. Panchadhyayee**, and P. K. Mahapatra: *Optical analogue of double Fano resonance via dressed twin continua*, J. Opt. Soc. Am. B 30 (12), 3202-3209 (2013)
21. I. Bayal, B. K. Dutta, **P. Panchadhyayee**, and P. K. Mahapatra: *Simulation of coherently controlled population dynamics of a three-level atomic system in a three-waveguide directional coupler: An opto-quantum analogy*, Opt. Commun. 347(C), 50-58 (2015).
22. I. Bayal, **P. Panchadhyayee**, and P. K. Mahapatra: *Optical analogue of Rabi oscillations in optical waveguides via structured continuum*, J. Mod. Opt. 62(17), 1412-1418 (2015).
23. I. Bayal, B. K. Dutta, **P. Panchadhyayee**, and P. K. Mahapatra: *Multiphoton-process-induced coherence effects in a dissipative quantum system*, J. Opt. Soc. Am. B 32 (10), 2178-2189 (2015).
24. R. Pradhan, A. Dhara, **P. Panchadhyayee**, and D. Syam, *Determination of Young's modulus by studying the flexural vibrations of a bar: experimental and theoretical approaches*, Euro. J. Phys 37(1), 015001 (2016).
25. **P. Panchadhyayee** and N. Das, *Classical analogues of a quantum system in spatial and temporal domains: A probability amplitude approach*, Cogent Physics (Taylor & Francis) 3, 1134263 (2016).
26. B. K. Dutta & **P. Panchadhyayee**, *Modification and control of coherence effects in the spontaneous emission spectrum of a three-level atom at weak field regime*, Laser Physics 26, 095202 (2016)
27. **P. Panchadhyayee**, B. K. Dutta, N. Das and P. K. Mahapatra, *Resonance Fluorescence microscopy via three-dimensional atom localization*, Quantum Information Processing 17, 20 (2018)
28. B. K. Dutta and **P. Panchadhyayee**, *Modification of optical properties by adiabatic shifting of resonances in a four-level atom*, Laser Phys. 28, 045201 (2018)
29. B. K. Dutta, **P. Panchadhyayee**, N. Das and P. K. Mahapatra, *Role of tunneling induced coherence in modulation of absorption and dispersion in a quantum dot molecule with symmetrical coupling configuration*, Laser Phys. 28, 096002 (2018)
30. S. Maity, **P. Panchadhyayee**, B. B. Das, and S. M. Hossain, *Capillary rise of water: impact of the submerged portion of capillary tube*, Phys. Edu. 54, 035005 (2019)
31. **P. Panchadhyayee**, B. K. Dutta, I. Bayal, N. Das and P. K. Mahapatra, *Field induced superposition effects on atom localization via resonance fluorescence spectrum*, Physica Scripta 94, 105104 (2019)
32. B. K. Dutta, **P. Panchadhyayee**, I. Bayal, N. Das and P. K. Mahapatra, *Optical absorption microscopy of localized atoms at microwave domain: two-dimensional localization based on the projection of three-dimensional localization*, Scientific Reports 10: 536 (2020)
33. B. K. Dutta and **P. Panchadhyayee**, *Fano-like interference induced modification of Autler-Townes doublet spectrum via phase-dependent superposition of atomic states*, Phys. Scripta 95, 095103 (2020)



34. B. K. Dutta, **P. Panchadhyayee**, I. Bayal, N. Das and P. K. Mahapatra, *Multi-wave-mixing nonlinear modulation of diffraction peaks in an opto-atomic grating*, Scientific Reports 10:16779 (2020)
35. S. Ipsita, P. K. Mahapatra and **P. Panchadhyayee**, *Optimum Device Parameters to Attain Highest Peak to Valley Current Ratio (PVCR) in Resonant Tunneling Diodes (RTD)*, Physica B 611, 412788 (2021)
36. A. Pal, Kriti R. Sahu, **P. Panchadhyayee** and D. Syam, *A novel method for measurement of the refractive indices of transparent solid media using laser interferometry*, The Physics Teacher 60, 51 (2022)
37. **P. Panchadhyayee** and B. K. Dutta, *Spatially structured multi-wave-mixing induced nonlinear absorption and gain in a semiconductor quantum well*, Scientific Reports 12: 22369 (2022)
38. B. K. Dutta and **P. Panchadhyayee**, *Generation of optical PT-antisymmetry in a coherent N-type atomic medium*, Phys. Scripta 98, 055107 (2023)

(B) National Journals:

1. S. Das, **P. Panchadhyayee**, and K. K. Dey: *An Empirical Formula for Wall Effect in Stokes' Viscosity Experiment*, IAPT Bulletin, 246-251, August (2007)
2. **P. Panchadhyayee**: *Is the Abraham-Minkowski Controversy resolved finally?*, Science and Culture 79 (9-10), 387-390 (2013)
3. **P. Panchadhyayee**: *Evolution of coupling induced degeneracy in a dual periodic optical superlattice*, J. K. Times, VIII, 52-63 (2014)
4. I. Bayal, and **P. Panchadhyayee**: *Coherent propagation dynamics of an adiabatic four-waveguide directional coupler- a generic approach*, Scientific Voyage (ISSN: 2395-5546), 2(1), 29-38 (2021)
5. S. Sarkar, S. K. Pal, A. Samanta, P. Panchadhyayee, and S. C. Samanta: *Visualization of Some Concepts in Basic Physics Mathematics through Experiments*, IAPT Bulletin, 289-296, August (2022)
6. C. K. Ghosh, S. C. Samanta and **P. Panchadhyayee**: *Road to Physics Curricula: Some thoughts in the Light of National Education Policy-2020 and the Role of IAPT*, University News, 61(31) July 31-August 06, 2023, pp 5-13

(C) Seminar / Conference Publications:

1. I. Bayal, B. K. Dutta, **P. Panchadhyayee**, and P. K. Mahapatra: *Phase control of absorption, dispersion and gain of weak signal field in erbium doped optical fiber*, International Conference on Trends in Optics and Photonics (IConTOP), December 7 - 9, 2011.
2. **P. Panchadhyayee**: *Electronics in the 21st century: An overview*, State-level Seminar on 'Electronics for the 21st century', Dept. of Electronics, Vidyasagar University, March 23, 2009.
3. **P. Panchadhyayee**: *Linkage of Earth's biodiversity and solar system's orbit in Milky way galaxy*, National-level Seminar on 'Biodiversity and its impact', Dept. of Botany, P.K. College, Contai, March 16-17, 2011.
4. **P. Panchadhyayee**: *Writing of Hindu Chemistry: A brief overview*, State-level Seminar on 'Recent trends in separation of bio-molecules (Part B - Birth of Chemical Science and Acharya P. C. Roy)', Dept. of Chemistry, P.K. College, Contai, April 12, 2011.
5. **P. Panchadhyayee**: *Where are we in the city of light? - In relevance to 50 years of LASER*, National-level Seminar on '50 Years of LASER - Promises and Challenges', Dept. of Physics, P.K. College, Contai, Jan 08-09, 2012.
6. **P. Panchadhyayee**: *Tunneling related issues in case of semiconductor multibarrier nanostructures under uniform electric field*, State-level Seminar on Recent advances in materials science & technology, Dept.



of Physics, Tamralipta Mahavidyalaya, 20-21 January 2012.

7. K. Rajibul Islam and **P. Panchadhyayee**: *Real-time student feedback for improving science teaching in high schools and colleges*, National-level Seminar on Use of ICT and Digital evolution : A new approach to learning and teaching in Higher Education, IQAC, P.K. College, Contai, Nov. 13-14, 2019.

(D) Popular Science Writing:

1. Sourav K Dey and **P. Panchadhyayee**: উলট পুরাণ: বস্তুর উল্টে যাওয়ার বিজ্ঞান (Ulat Puran: Bastur ulte jaoyar bijnan); <https://bigyan.org.in/2023/05/why-things-overturn/>
2. **P. Panchadhyayee** and A. Dasgupta: Bengali Translation of Force Concept Inventory (FCI) questions; <https://www.physport.org/assessments/assessment.cfm?A=FCI>
3. **P. Panchadhyayee** and S. C. Samanta: শিক্ষাত্রাণে শিক্ষকের ভূমিকা (পর্ব ২): হাতেকলমে বিজ্ঞানচর্চা (Shikshatrane shikshaker bhumika (Part II): Hatekalame bijnancharcha) <https://bigyan.org.in/2023/05/educator-role-in-practical-science-education-02/>
4. **P. Panchadhyayee** and S. C. Samanta: শিক্ষাত্রাণে শিক্ষকের ভূমিকা (পর্ব ১): বিজ্ঞানশিক্ষার সংকট (Shikshatrane shikshaker bhumika (Part I): Bijnanshikshar sankat) <https://bigyan.org.in/2023/04/educator-role-in-science-education-crisis-01/>
5. K. Rajibul Islam, **P. Panchadhyayee** and Shreyam Jana: হাতে-কলমে বিজ্ঞান কর্মশালা: আমাদের অভিজ্ঞতা (Hate-Kalame Bijnan Karmashala: Amader Avigyata) <https://bigyan.org.in/2022/11/bigyan-hands-on-workshop-experience/>
6. Kausik S Das and **P. Panchadhyayee**: বিরাট কোহলির সেই রূপকথার ক্যাচ ও নর্ম্যাল ফোর্সের কেরামতি (Birat Kohli sei rupkathar catch o normal forcer keramati), <https://bigyan.org.in/2022/06/crcket-catch-physics-and-normal-force-bengali/>
7. Kausik S Das and **P. Panchadhyayee**: টিকটিকি আঠা ছাড়াই দেওয়াল আঁকড়ে ঘুরে বেড়ায় কিভাবে (tikteki aatha chharai ghure beray kivabe), <https://bigyan.org.in/2022/02/quantum-lizard/>
8. Sourav K Dey and **P. Panchadhyayee**: গড়িয়ে চলার সময় ঘর্ষণ (ঘর্ষণের উৎস - পর্ব ৩) [Gariye chalar samay gharshan (Gharshaner utsa - 3)], <https://bigyan.org.in/2021/12/friction-advantage-disadvantage-part-03/>
9. Sourav K Dey and **P. Panchadhyayee**: চলন্ত অবস্থায় ঘর্ষণ (ঘর্ষণের উৎস - পর্ব ২) [Chalanta abasthay gharshan (Gharshaner utsa - 2)], <https://bigyan.org.in/2021/10/friction-advantage-disadvantage-part-02/>
10. Sourav K Dey and **P. Panchadhyayee**: স্থির অবস্থায় ঘর্ষণ (ঘর্ষণের উৎস - পর্ব ১) [Sthir abasthay gharshan (Gharshaner utsa - 1)], <https://bigyan.org.in/2021/10/friction-advantage-disadvantage-part-01/>

OTHER INVOLVEMENTS

Scholarly organizations:

- Secretary, Regional Council 15 (WB, Sikkim, Andaman & Nicobar), Indian Association of Physics Teachers (IAPT) (2022-24)
- Honorary Associate & Member of the Governing Body, Institute Astronomy Space and Earth Science (IASSES)
- Former President, Egra Organisation for the Cultivation of Science (OCS)
- Former President, Contai Science Academy (CSA)
- Mentor, Atal Tinkering Laboratory (ATL) in Contai High School, Contai Model Institution, Deulbar Kiranprava Vidyamandir, Purba Medinipur

Social organizations:

- Member of Executive Body of Jagaran – The Rising, a NGO working for mainly students
- Member, LIONS Club of Contai



Other relevant information:

- I have been participating as the Resource Person in several science popularisation programmes undertaken under IAPT, JBNSTS, NCSM etc for the last fifteen years. I am also associated with organising a good number of Students' Workshops / Seminars and School Teachers' Orientation Workshops (total 28 in last 5 years) under the banners of Egra Organisation for the Cultivation of Science (OCS) and Contai Science Academy (CSA) as the President as well as an active member of both the organisations.

Declaration

I hereby declare that all the information furnished above is correct to the best of my knowledge and belief.

Place: Contai

Date: 07.08.2023

PRADIPTA PANCHADHYAYEE