

Profile

Personal Details

Name Atanu Nag
Date of Birth 9th September, 1984
Gender Male
Marital Status Married
Nationality Indian



Contact Details

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WOS Researcher Id P-6294-2017 ; *h-index, Citation* 1, 1

Orcid Id 0000-0003-0561-1946

Google Scholar Id kgzdZhAAAAAJ ; *h-index, Citation* 6, 98

Scopus Author Id 56927853000 ; *h-index, Citation* 3, 14

Research Gate Id Atanu-Nag ; *h-index, Citation* 4, 71

Linkedin Id atanu-nag-b1260824

Vidwan Id 235435

Details of Ph. D. Work

Ph. D Thesis Title: “The Role of Lightning in Terrestrial and other Planetary Atmospheres and associated dynamics of the Chemical Evolution”

Date of Ph.D. Registration: January 12, 2009 **Date of Ph. D. Award:** August 08, 2013

Details of Research Work

Research experience: 14.5 years (Total); ~ 11 years (Post Ph. D.)

Field of Interests: Astronomy & Astrophysics, Atmospheric Physics, Meteorology, MPA, Low Power Design

Research Publication: **Papers Published in Conference: 38**
(*Vide Annexure- I*) National: 17 International: 21

Papers Published in Journal: 59
National: 02 International: 57

Other Relevant Experience

- Worked as Convener of Institution's Innovation Council (MHRD) of IFTM University (since Jan 2024)
- Worked as Innovation Activity Coordinator in Institution's Innovation Council (MHRD) of IFTM University (Jul 2022 to Dec 2023)
- Worked as Incubation Manager at IFTM Business Incubation Foundation, IFTM University (since March 2022)
- Worked as Evaluation Centre-in-charge, School of Sciences, IFTM University (since 2022-23 session)
- Worked as Assistant Evaluation Centre-in-charge, School of Sciences, IFTM University (session 2021-22)
- University Station Supervisor (USS) for ODD SEM 2019 MAKAUT Examination
- SPOC for NPTEL Local Chapter (ID 480), MAR and MOOCS
- Routine coordinator (2012-2015, Odd SEM 2016 & Odd SEM 2018)
- Anti-ragging and Career Counseling & Development committee member (since August 2018)
- Founder coordinator of R&D laboratory at MIET.
- Coordinator of Indian Engineering Olympiad 2016 held at MIET.
- Centre-in-Charge (CIC) of JEXPO Examination 2015
- Centre-in-Charge (CIC) of WBSCTE ODD SEM 2014 Examination
- Additional Centre-in-Charge of WBJEE 2013
- Officer-in-Charge (OIC) of EVEN SEM 2012 WBUT Examination
- Examiner of WBUT SEM Examination from EVEN SEM 2011
- Examiner of B.Sc. (General) Examination of University of Kalyani from 2009-2013

Achievements

1. Author of AICTE UG Technical Book Writing Project for the following books:
 - i) Physics - Introduction to Electromagnetic Theory, A. B. Bhattacharya and A. Nag, ISBN: 978-93-91505-16-5, 2021 (First Edition).
 - ii) Physics - Introduction to Mechanics A. B. Bhattacharya and A. Nag, ISBN: 978-9-391-50505-9, 2021 (First Edition).
 - iii) Physics - Oscillations, Waves and Optics (In press)
 - iv) Physics - Quantum Mechanics for Engineers (Under Review)
2. Secured 3rd position in PG (Physics) Examination of University of Kalyani, 2007.
3. Secured 5th position in UG (Physics Honors) Examination of University of Kalyani, 2005.

Ph.D. Students Enrolled/Guided – Total 06

1. Ms. Jyoti Singh, Enrolled from IFTM University.
2. Ms. Nimisha Rastogi, Enrolled from IFTM University.
3. Ms. Shilpy Verma, Enrolled from IFTM University.
4. Mr. Rahul Raj, Enrolled from IFTM University.
5. Mr. Vinyas Goswami, Registered from IFTM University.
6. Ms. Aparna Dan, Registered from MAKAUT (Registration No: PhD/Science/Phy001/2016 with effect from 27/06/2016), Thesis submitted.

FDPs/ STTPs/ Workshops attended – Total 09

1. International Workshop and Winter School on Hands-on-Training for Atmospheric Aerosol Measurements, Source Apportionment and Prediction Over Bharat, Organized by Department of Physics, Hemvati Nandan Bahuguna Garhwal University (A Central University), Srinagar Garhwal, Uttarakhand, India (18/03/2024 to 22/03/2024)
2. One week FDP (online) on NEP-2020 Orientation and Sensitization under Malaviya Mission Teacher Training Programme (MM-TTP) of UGC, Organized by Malaviya Mission Teacher Training Centre, University of Hyderabad (MMTTC-UoH) (05/02/2024 to 13/02/2024)
3. One week FDP on Innovation and Startup in Higher Education Institutions, Organized by NITTTR Kolkata (30/10/2023 to 03/11/2023)
4. Three Days Faculty Development Programme on Entrepreneurship and Skill Development, Organized by School of Engineering & Technology, IFTM University, Moradabad, Uttar Pradesh, India (17/02/2022 to 19/02/2022)
5. Workshop on Research Methodology and Applications in Science and Engineering, Organized by Department of Mathematics, School of Sciences, IFTM University, Moradabad (04/02/2022)
6. 5 days online FDP on “Inculcating Universal Human Values in Technical Education, Organized by AICTE (18/01/2021 to 22/01/2021)
7. One week STTP through ICT mode, Introduction of Accreditation Mechanism - NBA Approach, Organized by NITTTR Kolkata (06/07/2020 to 10/07/2020)
8. One week STTP through ICT mode, Refresher course on Analog and Digital Electronics, Organized by NITTTR Kolkata (04/05/2020 to 08/05/2020)
9. 12 Week NPTEL online certification course, Introduction to Non-linear Optics and its Applications, [Jul-Oct 2018] (81% consolidated score)

Membership – Total 08

1. International Association of Engineers (IAENG) ((Membership No: 203788)
2. Senior Member (UACEE) of the Institute of Research Engineers and Doctors (the IRED) (Membership No: SNM10100058638 valid till 01 November, 2020)
3. Member of The Council for Global Education
4. Member of European Alliance for Innovation (EAI) (Id: 9412)
5. Engineering and Scientific Research Groups (ESRGroups) (From Oct 2017)
6. Senior Member, Hong Kong Chemical, Biological & Environmental Engineering Society (HKCBEEES) (Member No: 101299)
7. Citizen Science Association (CSA) (From Jan 2017)
8. International Society for Research & Development (ISRDR) (Life Member ID: SR4150900393)

National / International Committee Member – Total 04

1. Organizing Committee Member, DRDO Sponsored 2nd National Conference on Advanced Technologies and Environmental Safety-2022 (ATES-2022), July 23-24, 2022, IFTM University, Moradabad, UP, India.
2. International Scientific Committees, 2020 2nd International Conference on Computer, Communications and Mechatronics Engineering (CCME 2020), December 20-21, 2020, Xiamen, China. [<http://www.ccme2020.org/com.html>]
3. National Review Committee, ESN - International conference on Basic and Applied Science (ESN-ICBAS), March 22, 2019 [http://esnpublications.com/conference-details.php?conference_id=23&menu_id=11]

4. National Advisory Committee, IEEE Technically Sponsored 2nd International conference on IoT in Social, Mobile, Analytics and Cloud (I-SMAC 2018), August 30-31, 2018, SCAD Institute of Technology, Palladam, Tamilnadu, India.[<https://i-smac.org/committee.html>]

Editor/ Guest Editor – Total 02

1. Special issue on Scientific Advances for Climate Recovery, Journal: Earth Sciences; 2017

Conferences/Workshops/FDP/Webinars Organized – Total 15

1. One Week National Faculty Development Programme on Current Research and Innovation Trends in Science & Technology, 26 February to 02 March, 2024, Organized by School of Sciences, IFTM University, Moradabad, Uttar Pradesh, India
Role: Convener
2. Webinar on World Environment Day on the topic “Biodiversity and Human Well-being”, 05 June, 2022, Organized by School of Sciences, IFTM University, Moradabad, Uttar Pradesh, India
Role: Organizing Secretary
3. Workshop on “Career Development Opportunities in Higher Education”, 20 May, 2022, Organized by School of Sciences in collaboration with Mentoring and Counseling Cell, IFTM University, Moradabad, Uttar Pradesh, India
Role: Organizing Secretary
4. Workshop on “Higher Education and Industry Collaboration: Issues, Initiatives and Opportunities”, 18 May, 2022, Organized by School of Sciences in collaboration with Mentoring and Counseling Cell, IFTM University, Moradabad, Uttar Pradesh, India
Role: Organizing Secretary
5. Workshop on “Proficient Communication and Personality Development”, 11 May, 2022, Organized by School of Sciences in collaboration with Mentoring and Counseling Cell, IFTM University, Moradabad, Uttar Pradesh, India
Role: Organizing Secretary
6. Workshop on “Psychological Wellness and Behavior Interventions”, 25 April, 2022, Organized by School of Sciences in collaboration with Mentoring and Counseling Cell, IFTM University, Moradabad, Uttar Pradesh, India
Role: Organizing Secretary
7. Earth Day celebration in the theme “Invest in Our Planet”, 22 April, 2022, Organized by School of Sciences in collaboration with Mentoring and Counseling Cell, IFTM University, Moradabad, Uttar Pradesh, India
Role: Organizing Secretary
8. Workshop on “Comprehensive Life Skills for Leadership Development”, 20 April, 2022, Organized by School of Sciences in collaboration with Mentoring and Counseling Cell, IFTM University, Moradabad, Uttar Pradesh, India
Role: Organizing Secretary
9. One Week Faculty Development Programme on Recent Innovations and Research Breakthroughs in Science, 21-25 February, 2022, Organized by School of Sciences, IFTM University, Moradabad, Uttar Pradesh, India
Role: Organizing Secretary
10. Webinar Series on “Science, Technology, Innovation & Entrepreneurship”, 24 June-17 July 2020, Organized by Modern Institute of Engineering & Technology, Hooghly, West Bengal, India.
Role: Co-ordinator
11. One week Faculty Development Program on “Effectiveness, Methodology & Assessment of Digital Education System” 08-12 June 2020, Organized by Modern Institute of Engineering & Technology, Hooghly, West Bengal, India.
Role: Co-ordinator
12. Android Apps & Game Development Workshop Exodia’ 2016 Organized by Entrench Electronics, Modern Institute of Engineering & Technology, Hooghly, West Bengal, India, 27-28 Feb 2016.

Role: Zonal co-ordinator

13. ROBOTRYST 2015, An International Level Championship Organized by Robosapiens Technology Pvt. Ltd., Modern Institute of Engineering & Technology, Hooghly, West Bengal, India, 23-24 February 2015.

Role: Zonal co-ordinator

14. 2nd National Conference on Emerging Technology & Applied Sciences (NCETAS-2015), 21-22 February 2015, Modern Institute of Engineering & Technology, Hooghly, West Bengal, India.

Role: Convener

15. National Conference on Emerging Technology & Applied Sciences (NCETAS-2014), 15-16 February 2014, Modern Institute of Engineering & Technology, Hooghly, West Bengal, India.

Role: Convener

Book Publications – Total 12

1. Classical, Quantum & Statistical Mechanics by A. B. Bhattacharya and **A. Nag**, New Central (*In Press*)
2. JELET Guide Book by **A. Nag**, K. Ghosh, S. Sarkar, A. Rakshit and S. K. Shee, Naba Prakashani, 1st Edition- April 2022
3. Physics (Introduction to Electromagnetic Theory) (with Lab Manual) (English) by A. B. Bhattacharya and **A. Nag**, Khanna Publishing House, 1st Edition- 2022, **ISBN: 978-9-391-50516-5**, website: <https://khannabooks.com/>
4. Physics (Introduction to Mechanics) (with Lab Manual) (English) by A. B. Bhattacharya and **A. Nag**, Khanna Publishing House, 1st Edition- 2022, **ISBN: 978-9-391-50505-9**, website: <https://khannabooks.com/>
5. Physics (Introduction to Electromagnetic Theory) (with Lab Manual) (Hindi) by A. B. Bhattacharya and **A. Nag**, Khanna Publishing House, 1st Edition- 2022, **ISBN: 978-9-355-38130-9**, website: <https://khannabooks.com/>
6. Physics (Introduction to Mechanics) (with Lab Manual) (Hindi) by A. B. Bhattacharya and **A. Nag**, Khanna Publishing House, 1st Edition- 2022, **ISBN: 978-9-355-38133-0**, website: <https://khannabooks.com/>
7. Engineering Physics by A. B. Bhattacharya and **A. Nag**, 1st Edition- April, 2021, **ISBN: 978-9-389-13907-5**, website: <https://khannabooks.com/>.
8. Padarthabidya Vol II (Class XII, Vocational) by **A. Nag**, Naba Prakashani, 1st Edition- April, 2017
9. Padarthabidya Vol I (Class XI, Vocational) by **A. Nag**, Naba Prakashani, 1st Edition-June, 2016
10. *Fundamentals of Electronics* by **A. Nag** and D. Chaudhuri, Naba Prakashani, 1st Ed- September, 2015.
11. On the Science and Impact of Lightning-*Physical, Electrical & Optical Properties* by R. Bhattacharya, **A. Nag** and A. B. Bhattacharya, LAP Lambert Academic Publishing, 1st Edition- February, 2015, **ISBN: 978-3-659-35158-7**, website: www.lap-publishing.com
12. *A Textbook of Basic Physics* by **A. Nag**, Naba Prakashani, 1st Edition-September, 2014

Patent Publication – Total 01

1. Design and Implementation of Low Power Multipliers using Power Efficient Adder Blocks by Debika Chaudhuri, Dr. Atanu Nag, Dr. Shalu C. (Application No. 202211049364 A), The Patent Office Journal No. 35/2022 Dated 02/09/2022.

Guided Projects (Bachelor/ Master programme) – Total 35

M. Sc. [23]

1. Arduino Based obstacle avoid car – Nisha Chaudhary (Roll No. 22135008); Taruna Sharma (Roll No. 22135010) Session 2023-24
2. Wireless power supply – Rajneesh Choudhary (Roll No. 22135017) Session 2023-24
3. Clap Switch – Priyanka (Roll No. 21135016) Session 2022-23
4. Fire Detection and Regulation System Using IoT – Sulabh Rana (Roll No. 21135018) Session 2022-23
5. Burglar Alarm – Vimal (Roll No. 21135019) Session 2022-23
6. Automatic Street Light using Sensors – Vipin Kumar (Roll No. 21135020) Session 2022-23

7. Automatic Hand Sanitizer – Pooja Kumari (Roll No. 21135012) Session 2022-23
8. Eyeblink Anti-Sleep Alarm – Arohi Saxena (Roll No. 21135010) Session 2022-23
9. Household Circuit – Anil Kumar (Roll No. 21135021) Session 2022-23
10. Solar Power Bank – Guneet Singh (Roll No. 21135006) Session 2022-23
11. Full Wave Rectifier – Abdul Samad Khan (Roll No. 21135001); Ajay Kumar (Roll No. 21135002); Kirty Vyas (Roll No. 21135009); Mohd Naushad Ali (Roll No. 21135014); Arreb Ur Rehman Shamsi (Roll No. 21135022); Prashant Varshney (Roll No. 21135023); Rahul Singh (Roll No. 21135024) Session 2022-23
12. Half Wave Rectifier – Garima Kaushik (Roll No. 21135005); Jay Vyas (Roll No. 21135008) Session 2022-23
13. Automatic Street Light using LDR – Chamanpreet Singh (Roll No. 20135005); Meghali Tyagi (Roll No. 20135015) Stuti Sharma (Roll No. 20135023) Session 2021-22
14. Solar Battery Charger Circuit – Chandra Prabha (Roll No. 20135006); Sarika Sharma (Roll No. 20135019) Session 2021-22
15. SIRC based on delay/off delay relay auto voltage stabilizer – Chandrapal Sagar (Roll No. 20135007); Shivam Kumar Lodhi (Roll No. 20135020) Session 2021-22
16. Wireless power transfer system by using electromagnetic mutual induction – Isha Saini (Roll No. 20135007) Session 2021-22
17. Water level alarm using 555 timer – Chanchal (Roll No. 20135010) Session 2021-22
18. Water level monitoring – Deepali Pathak (Roll No. 20135011) Session 2021-22
19. Automatic plant irrigation system – Namrata Bhardwaj (Roll No. 20135013) Session 2021-22
20. SIRC based on delay/off delay relay switching – Mahima (Roll No. 20135014) Session 2021-22
21. Portable USB charger – Mohd Mohsin (Roll No. 20135017) Session 2021-22
22. Microcontroller based DC motor movement – Shobhit Kumar Chaudhary (Roll No. 20135021); Vinay Chaudhary (Roll No. 20135026) Session 2021-22
23. Time delay relay – Vaibhav Sharma (Roll No. 20135024); Vimal Kumar (Roll No. 20135025) Session 2021-22

B. Tech [03]

1. Design & Simulation of a typical Microstrip Patch Antenna for Wireless Communication System – Arnab De (Roll No.26900312004); Mrinal Guha (Roll No.26900312011); Prabhakar Banerjee (Roll No.26900312012); Pritam Dasgupta (Roll No. 26900312013); Saptarshi Banerjee (Roll No.26900312018); Sohail Pervez Halder (Roll No.2690312020) Session 2015-16
2. Antenna & its Various Applications in Modern Communication System – Abhishek Tiwari (Roll No. 26900311003); Amit Kumar (Roll No. 26900311006); Gaurav Kumar Singh (Roll No. 26900311012); Jay Mathuli (Roll No. 26900311013); Narayan Sharma (Roll No. 26900311019); Pritha Banerjee (Roll No. 26900311027) Session 2014-15
3. Design Consideration of Arrays for the Studies of Radiation Patterns of Log Periodic Dipole Antenna at different Frequencies – Kanchan Acharjee (Roll No. 26900310006) Kausturi Chatterjee (Roll No. 26900310007) Rajesh Kumar (Roll No. 26900310016) Swastika Banerjee (Roll No. 26900310014) Session 2013-14

B. Sc. [09]

1. Conversion of Galvanometer into Ammeter and Voltmeter – Akshansh Bhatnagar (Roll No. 21134007) Session 2023-24
2. Advanced Internal Combustion Engine – Anant Sharma (Roll No. 21134011) Session 2023-24
3. Saving Electrical Energy using Solar Cell – Deeksha (Roll No. 21134026) Session 2023-24
4. Maxwell's Theorem – Mohd Azhanuddin Khan (Roll No. 21134060) Session 2023-24
5. Swing Ride – Prachi Singh (Roll No. 21134073) Session 2023-24
6. Application of Wind Energy – Muzahid Ali (Roll No. 21134142) Session 2023-24
7. Automatic High Voltage Protection Device System for Appliances – Aryan Chaudhry (Roll No. 20198001) Session 2022-23
8. Three Phase Bidirectional Battery Charger – Sony Kumari (Roll No. 20198002) Session 2022-23
9. Underground Cable Fault Detector – Vaishnavi Deshwal (Roll No. 20198003) Session 2022-23

Editorial/Reviewer Board Member – Total 11

1. CSIJ (Mar 2014-May 2017) [<http://airccj.org/eee/editorial.html>; <https://sites.google.com/site/caijjournal12/editorial>]
2. IJICS (Since Oct 2014) [<http://airccse.org/journal/IJICS/editorial.html>]
3. IJASS (Since Jul 2017) [<http://www.sciencepublishinggroup.com/journal/editorialboard?journalid=302>]
4. IJREE (Since Nov 2017) [<http://researchscript.com/advisory-board/board-ijree>]
5. ANTJ (Since Jan 2018) [<http://airccse.com/antj/editorial.html>]
6. JERA (Since Feb 2018) [<http://ojs.bbwpublisher.com/index.php/JERA/about/editorialTeam>]
7. PEEE (Since May 2018) [<http://ojs.whoice.com/index.php/peee/about/editorialTeam>]
8. MECHIJ (Since Jul 2018) [http://flyccs.com/journals/MECHIJ/Editorial_Board.html]
9. ESN-Int. Journal of Basic and App. Sc. (since Dec 2018) [<http://www.esnresearch.com/editorial-boards/4>]
10. American J. of Phy. and App. (since Mar 2020) [<http://www.sciencepublishinggroup.com/journal/editorialboard?journalid=622>]
11. B. P. International (since Dec 2023)

Reviewer (Journal) – Total 14

1. Greener Journals (2013) [<http://www.gjournals.org/>]
2. IJAA (Mar 2017 to till date) [<http://www.scirp.org/journal/ijaa/>]
3. ASTESJ (July 2017 to till date) [<http://astesj.com/reviewer-directory/>]
4. Computer Reviews Journal (Apr 2018 to till date) [<http://purkh.com/index.php/tocomp>]
5. MathSJ (July 2018 to till date) [<http://airccse.com/mathsj/index.html>]
6. JEEER (July 2018 to till date) [<http://www.academicjournals.org/jeeer>]
7. IJCSEIT(Nov 2018 to till date) [<http://airccse.org/journal/ijcseit/ijcseit.html>]
8. ACIJ (Dec 2018 to till date) [<http://airccse.org/journal/acij/acij.html>]
9. CIVEJ (Dec 2018 to till date) [<https://www.airccse.com/civej/index.html>]
10. JAP (Mar 2019 to till date) [<https://rajpub.com/index.php/jap>]
11. HAES (Mar 2019 to till date) [<http://www.heraldopenaccess.us/journals/Atmospheric-&-Earth-Sciences/>]
12. ACS (Apr 2019 to till date) [<https://www.scirp.org/journal/acs/>]
13. IJQCSSE [IGI Global] (ad hoc reviewers) (since May 2019)
14. JENRS (since Jan 2022)

Annexure - I

Papers Published in Journal (Scopus/SCI/WoS) – Total 09

- [1] J. P. Singh, Y. K. Sharma, **A. Nag**, S. Pal, P. Goyal and A. K. Gangwar, Optical and Electronic Characterization of CdS:Nd³⁺ Nanoparticles using Diffuse Reflectance Spectroscopy Techniques, *Journal of Optics*, ISSN: 0974-6900 (online) 0972-8821 (print), 2024 [**Scopus Indexed, SCI**] [**IF: 1.6**] (accepted)
- [2] S. Pal, J. P. Singh, Y. K. Sharma, **A. Nag**, S. C. Huang and S. L. Chung, Characterization and Properties of ZnO:Nd³⁺ Nanomaterial Synthesized by Chemical Synthesis Method, *Journal of Metastable and Nanocrystalline Materials*, Vol. 40, pp 1-13, ISSN: 2297-6620, 2024, doi:10.4028/p-M0pMsg [**Scopus Indexed**] [**IF: 0.2**]
- [3] J. P. Singh, S. Pal, Y. K. Sharma and **A. Nag**, Nd-doped CdS nano-particles: Optical band gap and Urbach energy investigations, *Journal of Optics*, ISSN: 0974-6900 (online) 0972-8821 (print), 2024, <https://doi.org/10.1007/s12596-024-01746-9> [**Scopus Indexed, SCI**] [**IF: 1.6**]
- [4] J. P. Singh, S. Pal, **A. Nag** and Y. K. Sharma, Structural Properties, Energy Interaction and Applications of CdS Nanomaterial Doped with Rare-Earth Ions, *Macromolecular Symposia*, Vol. 413(2), pp. 2300169 (1-8) [Special Issue: 1st International Conference on Smart Nanotechnology and Advanced Polymer Sciences (SNAPS 2023)] ISSN: 1521-3900 (online) 1022-1360 (print), 2024, <https://doi.org/10.1002/masy.202300169>. (2024) [**WoS, Scopus Indexed**] [**IF: 0.896**]
- [5] J. P. Singh, Y. K. Sharma, S. Pal and **A. Nag**, Fluorescence Study of Pr³⁺ doped CdS nanoparticles and its Applications in Sensors and Detectors, *Journal of Fluorescence*, Vol. 34, pp. 915-923, ISSN: 1573-4994 (online) 1053-0509 (print), 2024, <https://doi.org/10.1007/s10895-023-03325-w> [**Scopus Indexed, SCI**] [**IF: 2.6**]
- [6] A. Dan and **A. Nag**, Sudden Commencements during Solar Cycles 11-24 and their Statistical trend, *Disaster Advances*, Vol. 13(12), pp 66-74, ISSN: 2278-4543 (online) 0974-262X (print), 2020 [**Scopus Indexed, Geobase (Elsevier)**] [**IF: 0.16**]
- [7] **A. Nag**, On the prediction and analysis of pre-monsoon thunderstorms and its meteorological associations, *Indian Journal of Physics*, Vol. 93, pp. 1515-1525, ISSN: 0974-9845 (online) 0973-1458 (print), 2019, <https://doi.org/10.1007/s12648-019-01407-9> [**Scopus Indexed, SCI**] [**IF: 1.6**]
- [8] A. B. Bhattacharya, K. Roy, J. Pandit and **A. Nag**, Automated PC-based control and monitoring of Radio observations using LPDA, *Procedia Technology*, Vol. 10, pp. 348 – 355, ISSN: 2212-0173, 2013, <https://doi.org/10.1016/j.protcy.2013.12.370>. [**WoS**]
- [9] R. Bhattacharya, **A. Nag**, R. Guha, A. Bhoumick, S. De and A. B. Bhattacharya, Solar Eclipse Effects of 22 July 2009 on the Propagation of Radio Signals, *Indian Journal of Physics*, Vol. 84(11), pp 1587-1595, ISSN: 0974-9845 (online) 0973-1458 (print), 2010, <https://doi.org/10.1007/s12648-010-0143-7> [**Scopus Indexed, SCI**] [**IF: 1.6**]

Papers Published in Conference Proceedings (Scopus/SCI/WoS) – Total 05

- [1] K. Roy, D. Chaudhuri, **A. Nag**, B. Roy, S. K. Bishnu, S. Ray, A. Biswas and S. Chatterjee, Implementation of a Dual Band Antenna for Satellite Communication, *2020 4th International Conference on Electronics, Materials Engineering & Nano-Technology (IEMENTech)*, Kolkata, India, 2020, pp. 1-3, doi: 10.1109/IEMENTech51367.2020.9270050. (2020) [**IEEE Explore**]
- [2] P. Ghosh, K. Roy, **A. Nag**, R. Priya and N. Hasan, A Novel Inset Fed Patch Antenna with Defecting Ground Plane. In: Choudhury S., Mishra R., Mishra R., Kumar A. (eds) *Intelligent Communication, Control and Devices. Advances in Intelligent Systems and Computing*, vol 989., pp. 405-414, Springer, Singapore, ISBN: 978-981-13-8617-6 (Print), 978-981-13-8618-3 (online), https://doi.org/10.1007/978-981-13-8618-3_43, (2020) [**Scopus Indexed**] [**IF: 0.57**]
- [3] D. Chaudhuri, K. Roy and **A. Nag**, Comparison of Different SRAM Cell Topologies Using 180 nm Technology, In: U. Biswas et al. (eds.), *Advances in Computer, Communication and Control*, Lecture Notes in Networks and Systems, Vol 41, pp. 391-400, Springer, Singapore, ISBN: 978-981-13-3121-3, https://doi.org/10.1007/978-981-13-3122-0_38, (2019) [**Scopus Indexed**]

- [4] **A. Nag**, K. Roy and D. Chaudhuri, A Crown-Shaped Microstrip Patch Antenna for Wireless Communication Systems, *In: Kalam A., Das S., Sharma K. (eds) Advances in Electronics, Communication and Computing*, Lecture Notes in Electrical Engineering, Vol 443, pp. 399-405, Springer, Singapore, **ISBN: 978-981-10-4765-7**, https://doi.org/10.1007/978-981-10-4765-7_42, (2018) [**Scopus Indexed, WoS**] [**IF:0.34**]
- [5] K. Roy, D. Chaudhuri, S. Bose and **A. Nag**, A Novel Dual Band Antenna for Radar Application, *Proceedings of 3rd International Conference on Advanced Computing, Networking and Informatics (ICACNI 2015)*, Volume 2", Smart Innovation, Systems and Technologies, Vol. 44, pp. 643-649, https://doi.org/10.1007/978-81-322-2529-4_66, Springer, India, (2015) [**Scopus Indexed**] [**IF:0.59**]

Book Chapters – Total 11

- [1] J. P. Singh, S. Pal, Y. K. Sharma, **A. Nag**, R. Saxena and N. Singh, Synthesis, Characterization and Application of CdS:Pr³⁺ nano-material, *Futuristic Trends in Chemical Material Sciences & Nanotechnology*, IIP Book Series (IIPV3EBS06_G89), Vol. 3 Book 23 Part 3 Chapter 5, pp. 217-223 **eISBN: 978-93-5747-532-7** (2024)
- [2] D. Nandi and **A. Nag**, On some statistical study of thunderstorms during pre-monsoon, *Water Resources: Current and Future Challenges and Research Directions*, Creative Incorporate, Ed: Malabika Biswas Roy, Hirok Chowdhury, Pankaj Kumar Roy and Asis Majumdar, pp. 102-110, **ISBN: 978-81-941009-4-2**, (2020)
- [3] **A. Nag** and A. Dan, Design of a Solar radio spectrograph for acquisition, control and recording of Solar bursts, *Proceedings of International Conference on Advance Concepts of Engineering, Applied Science and Management (ICACEASM-19)*, pp. 90-94, **ISBN: 978-93-87433-49-6** (2019)
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