

CURRICULUM VITAE

NAME: LIPI GOSWAMI

Assistant Professor & HOD (i/c), Dept. of Physics, Girijananda Chowdhury

University

Guwahati, Assam, India



Sex: Female

Permanent Address: C/O: Mr. Sanjeev Sarma

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Father's Name: Dr Dharanidhar Goswami

Mother's Name: Mina Goswami

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Email id: lipigoswami1@gmail.com

Nationality: Indian

State of domicile: Assam

Mother tongue: Assamese

Languages Known: Assamese, English and Hindi

Religion: Hindu

Caste: General

Qualifications:

PhD from Gauhati University

MSc in Physics from Gauhati University

Title of Ph.D thesis: “ *On characteristics of some semiconductor and metal nanoparticles related to their possible applications in electronics and bio-medical sciences*”

Conference presentations

1. Strong confinement and the synthesis of nanoparticles (quantum dots) in strong confinement region.

Lipi Goswami

3rd National Conference in Recent Advances in Science and Technology, NCRST, 2020, organized by Assam Science and Technology University, through Online mode, Aug 17-Aug19, under TEQIP-III Project of World Bank and MHRD, New Delhi.

2. Coulomb Blockade effect in Ag/PVA nanocomposites

¹Lipi Goswami, ²Pranayee Datta

International Conference On Electronic Devices, Circuits, Applied Electronics and Communication Technology (EDCAECT 2015) organized by Department of Electronics and Communication Technology, Gauhati University, Gauhati, Assam, India and Krishi Sanskriti, New Delhi, India on 8th, 9th and 10th October, 2015.

3. Fabrication of PbS/PVA Quantum Dot devices and their applications as photodetector.

¹Lipi Goswami, ²Pranayee Datta.

International Conference on Green Energy, Smart Materials through Science, Technology and Management, organized by Faculty of Technology in association with UNISA, and SECONE, 21st Jan-23rd Jan, 2014.

4. Optical and Structural properties of PbS nanoparticles embedded in starch.

- ¹Lipi Goswami, ² Hirendra Das, ³Prabin Kumar Boruah, ⁴Pranayee Datta.
International Seminar and Workshop on Energy, Sustainability and Development (ISWED, 2012), organized by the Dept. of Physics, Sibsagar College in association with NEIST, Jorhat held during 12th-14th Oct'2012.
5. Silver Nanoparticles: Synthesis through green route and characterization.
¹Lipi Goswami, ² Prabin Kumar Boruah, ³ Pranayee Datta.
57th Annual Technical Session of Assam Science Society, Khanapara, Guwahati, held on 16th March, 2012, G.U.
6. An approach towards green synthesis of silver nanoparticles.
¹Lipi Goswami, ² Prabin Kumar Boruah, ³ Pranayee Datta.
International Conference of NanoScience and Technology, organized by ARCI (International Advanced Research Centre for Powder Metallurgy and New Materials) sponsored by Nano Mission, Department of Science and Technology, Govt. of India, Jan 19- Jan23, 2012.
7. Some characteristics of doped and undoped semiconductor nanocrystals.
Sweety Sarma¹, Lipi Goswami², Prof(Mrs) Pranayee Datta³.
National Conference on Nanoscience and Nanotechnology, Nov 2007, organized by the Dept. of Physics, University of Lucknow, India,

List of Publications:

1. Shape confirmation of Silver nanoparticles from Characterisation Techniques
^{1*} Lipi Goswami, ²Pranayee Datta
American Journal of Material Synthesis and Processing, 3(2): 23-29, July 31st, 2018.
p-ISSN: 2575-2154, e-ISSN:2575-1530
2. Coulomb Blockade effect in Ag/PVA nanocomposites.
^{1*} Lipi Goswami, ²Pranayee Datta
Journal of Basic and Applied Engineering Research, Volume 2, Issue 20, (2015 Oct) Pg:1724-1727. P-ISSN:2350-0077, e-ISSN: 2350-0255.

3. On the electron transport processes of Lead sulphide/Polyvinyl Alcohol Quantum dots.

Lipi Goswami^{1*}, Pranayee Datta²

Journal of Nanoelectronics and Optoelectronics, ISSN: 1555-130X (Print)
EISSN: 1555-1318 Online Volume 10, No.1, Pg: 15-23 (2015) February,
published by American Scientific Publishers, Current Impact factor: 0.37.

4. TEA LEAF ASSISTED SYNTHESIS OF SILVER NANOPARTICLES AND THEIR ANTIMICROBIAL POTENTIAL.

Lipi Goswami¹, Debabrat Baishya², Sorra Sandhya³, Joyeeta Talukdar⁴, Pranayee Datta⁵

International Journal of Pharma and Bio Sciences, 2014 April; 5(2) p 196-204,
ISSN-0975-6299, published by SCImago (powered by scopus of Elsevier)
SCImago Journal Ranking - SJR) of **0.129**

5. Therapeutic Application of Metal nanoparticles.

Lipi Goswami¹, Rajib Saikia², Subhas Rajbongshi³, Pranayee Datta⁴.

IJAP (ISST Journal of Applied Physics), 2012, Vol3 No2, p 39-43, ISSN: 0976-903X.

6. Optical and Structural Properties of PbS nanoparticles embedded in starch.

¹Lipi Goswami, ²Hirendra Das, ³Prabin Kumar Boruah, ⁴Pranayee Datta.

International Journal of Innovative Research and Development, Vol1 Issue 7, p
234-239, ISSN 2278-0211.

7. Some characteristics of doped and undoped semiconductor nanocrystals.

Sweety Sarma¹, Lipi Goswami², Prof(Mrs) Pranayee Datta³.

National Conference on Nanoscience and Nanotechnology, Nov 2007, organized by the Dept. of Physics, University of Lucknow, India, conference proceedings p 91-94.

Books Published:

1. Engineering Physics-II

Prof R.C Goswami, Dr. L.Goswami, Dr. D.Phukan

First Edition: Feb, 2016, Publisher: Mani Manik Prakash, Panbajar, Guwahati
ISBN: 978-81-85917-58-2

2. Engineering Physics-I

Prof R.C Goswami, Dr. L.Goswami, Dr. D.Phukan

First Edition: July, 2016, Publisher: Mani Manik Prakash, Panbajar, Guwahati
ISBN: 978-81-85917-58-2

Other Participation

1. Offline **UHV-II** FDP organized by All India Council for Technical Education (AICTE) from 08-01-2023, to 12-01-2023.
2. FDP on ‘Fundamentals of CAD in 3D printing & Reverse Engineering through 3D Scanning under AICTE-IDEA Lab, GIMT-Guwahati, during 4th-9th January, 2023.
3. Online **UHV** Refresher1 FDP organized by All India Council for Technical Education (AICTE) from 21st February, 2022 to 25th February, 2022.
4. One week Short Term Training Programme through ICT mode on ‘Role of Technical Educations in Community Development’, organized by NITTTR, Kolkata from 7th Feb, 2022 to 11th Feb, 2022.
5. Completed **Swayam** Arpit Online Course Certification for Career Enhancement Scheme Promotion, examination held on 28-08-2021.
6. Online Faculty Development Programme on ‘Inculcating Universal Human Values (**UHV**) in Technical Education’ organized by AICTE, during 19th to 23rd April, 2021.
7. STTP on ‘Recent Developments in Teaching and Research’ organised by Department of Business Administration in association with AICTE, during 15th to 20th March, 2021.
8. Completed **Swayam** Arpit Online Course Certification for Career Enhancement Scheme Promotion, examination held on 16-02-2020.
9. Online Faculty Development Programme on ‘E-Learning Platform in Covid-19 Pandemic’, organized by E and ICT Academy, IIT, Guwahati, held from

3rd August to 10th August, 2020, in association with M.C College, Barpeta, Assam.

10. 'International E Conference on New Frontiers in Science and Technology', organized by, Research Institute of Science and Technology, Manipur University Campus, 9th to 11th July, 2020.
11. 'Strategies on mental and physical health protection during and aftermath pandemic:#Covid19', webinar from 17th June to 21st June,2020, organized by Assam Science and Technology University in association with Dept. of ECE, GIMT, Guwahati.
12. Completed Swayam Arpit Online Course Certification for Career Enhancement Scheme Promotion, examination held on 16-02-2020.
13. Participated in faculty development programme on 'Engaging Today's learners' organized by GIMT, Guwahati in association with ASTU, dated 10-12-2019-15-12-2019
14. Participated in Short Training Programme, on 'Evaluating Students' Performance and designing Question Papers', NITTR, Guwahati Extension Centre, during 14-10-2019-18-10-2019
15. Participated in one day workshop on Mathematics education in Engineering Colleges of Assam, organized by ASTU in association with Dept. of Mathematics, GIMT, Guwahati on 27th June, 2019
16. Participated in the Workshop on " Induction Programme for Students" organized by Assam Science & Technology University under TEQIP – III at Girijananda Chowdhury Institute of Management & Technology, Guwahati on 10th July, 2018.
17. Participated in Short Training Programme, on 'Design of Outcome Based Education', NITTR, Guwahati Extension Centre, during 15-05-2017-19-05-2017.
18. Participated in the Faculty Development Programme on "Meeting Global Challenges in Higher Technical Education" organized by Girijananda Chowdhury Institute of Management & Technology, Guwahati during 28th July to 1st August, 2015

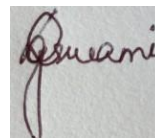
19. Participated in the National Workshop on the “Use and Deployment of NPTEL Courses” conducted under the National Programme on Technology Enhanced Learning sponsored by the Ministry of Human Resource Development, Govt. of India held on 29th and 30th April,2013 at Royal Group of Institutions, Guwahati.
20. Participated in one day symposium on “ Emerging Trends of Interdisciplinary Research in Science and Technology” on 9th Oct 2012, in IST, Gauhati University.
21. Participated in School on “ Effective theory of strong interaction at low energy” held at Saha Institute of Nuclear Physics, Kolkatta during the period Feb28 to March 5 2005

Prior Experience:

- (i) Four years teaching experience in Arya Vidyapeeth College,(from August 2002 to August,2006) Guwahati
- (ii) Assistant Professor, Dept. of Physics, G.I.M.T, from Sept’2006 to present.
- (iii) H.O.D Incharge, Dept. of Physics, G.I.M.T from Sept1st, 2011 to July31st, 2016
- (iv) Faculty- Incharge, GIMTECH (annual magazine of GIMT) for 10th, 11th, 12th and 13th editions.
- (v) Chief-Mentor, GIMT(now GCU) from 2018 July to present
- (vi) Assistant Professor & HOD(i/c), Dept of Physics, From April, 1st, 2023 to present

Award: Best Faculty Award, Dept. of Physics, GIMT, 2010

Interests: Classical Dance, Artworks, Writing short stories and poems, reading books, travelling, gardening and helping someone to learn science and Physics.



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