

# Dr. Jayanti Guha Ray

---

**Current Designation:** Associate Professor

**Department:** Molecular Biology

**Date of Joining:** 01.7.2000

**E-mail:** jgr.dac@gmail.com



## 1. Academic Qualifications

Degree	Institution	Year	Subject/Discipline
M.Sc.	C.U.	1988	Biophysics, Molecular Biology
Ph.D.	C.U.	1997	Biophysics, Molecular Biology and Genetics

## 2. Thesis Title

**Ph.D. Thesis Title :** Spectroscopic Studies of Some Biologically Important Molecules In Different Environments.

## 3. Specialization and Area of Interests

**Area of Interests:** Biophysics and Molecular Biology

**4. Teaching Responsibilities:** Taking all Classes in Molecular Biology Department.

## 5. Publications: 20

### a. Research Papers in Journals:

1. **Jayanti Guharay** and Pradeep K. Sengupta, Chem. Phys. Lett., 230 (1994) 75 – 81.
2. **Jayanti Guharay** and Pradeep K. Sengupta, Biochem. Biophys. Res. Commun., 219 (1996) 388 – 392.
3. Munna Sarkar, **Jayanti Guharay** and Pradeep K. Sengupta, Spectrochim. Acta Part A Biomolecular Spectroscopy Section, 52 (1996) 275 – 278.
4. Munna Sarkar, **Jayanti Guharay** and Pradeep K. Sengupta, J. Photochem. Photobiol. A, 95 (1996) 157 – 160.
5. Rupali Chaudhuri, Jayanti **Guharay** and Pradeep K. Sengupta, J. Photochem. Photobiol. A, 101 (1996) 241 – 244.
6. **Jayanti Guharay**, Rupali Chaudhuri, Abhijit Chakraborti and Pradeep K. Sengupta,

- Spectrochim. Acta Part A. Biomolecular Spectroscopy Section, 53 (1997) 457 – 462.
7. **Jayanti Guharay** and Pradeep K. Sengupta, Spectrochim. Acta Part A. Biomolecular Spectroscopy Section, 53 (1997) 905 – 912.
  8. **Jayanti Guharay**, Bidisa Sengupta and Pradeep K. Sengupta, Spectrochim. Acta Part A Biomolecular Spectroscopy Section, 54 (1998) 185 – 190.
  9. Bidisa Sengupta, **Jayanti Guharay** and Pradeep K. Sengupta, Journal of Surface and Technology, 14 (1998) 150 – 156.
  10. S. Moses Dennison, **Jayanti Guharay** and Pradeep K. Sengupta, Spectrochim. Acta Part A. Biomolecular Spectroscopy Section, 55 (1999) 903 – 909.
  11. **Jayanti Guharay**, S. Moses Dennison and Pradeep K. Sengupta, Spectrochim. Acta Part A. Biomolecular Spectroscopy Section, 55 (1999) 1091 – 1099.
  12. S. Moses Dennison, **Jayanti Guharay** and Pradeep K. Sengupta, Spectrochim. Acta Part A. Biomolecular Spectroscopy Section, 55 (1999) 1127 – 1132.
  13. **Jayanti Guharay**, Bidisa Sengupta and Pradeep K. Sengupta, (Abstract) J. Biosciences 24 suppl. 1 (1999) 77.
  14. S. Moses Dennison, **Jayanti Guharay** and Pradeep K. Sengupta, (Abstract) J. Biosciences 24. suppl. 1 (1999) 108.
  15. Bidisa Sengupta, Jayanti **Guharay** and Pradeep K. Sengupta, (Abstract) J. Biosciences 24 suppl. 1 (1999) 198.
  16. Bidisa Sengupta, **Jayanti Guharay** and Pradeep K. Sengupta, Spectrochim. Acta Part A. Biomolecular Spectroscopy Section, 56 (2000) 1213 – 1221.
  17. **Jayanti Guharay**, Bidisa Sengupta and Pradeep K. Sengupta, Spectrochim. Acta Part A. Biomolecular Spectroscopy Section, 56 (2000) 1433 – 1441.
  18. Bidisa Sengupta, **Jayanti Guharay** and Pradeep K. Sengupta, J. Mol. Structure 559 (2001) 347 – 353.
  19. **Jayanti Guharay**, Bidisa Sengupta and Pradeep K. Sengupta, Proteins: Structure, Function and Genetics 43 (2001) 75 – 81.
  20. Bidisa Sengupta, **Jayanti Guharay**, Ajoy Chakraborty and Pradeep K. Sengupta. Spectrochim. Acta Part A (Biomolecular Spectroscopy Section), 58 (2002) 2005-2012.

## 6. Conferences/Seminars/Symposia/Workshops Attended

1. **Refresher Courses** : a) Participated in the UGC sponsored Refresher Course in Biophysics from Nov. 20, 2001 to Dec. 14, 2001 at the Dept. of Biochemistry and Biophysics, Univ. of Kalyani.
- b) Participated in the UGC sponsored Refresher Course in Recent Trends in Microbial Technology (Interdisciplinary course) from June 12, 2006 to July 01, 2006 at the Dept. of Food Technology & Biochemical Engineering, Jadavpur University.

## **2. Training Course :**

- c) Participated in the UGC sponsored Refresher Course in Biotechnology from Feb. 25 2008 to March 15, 2008 at the Dept. of Biochemistry, Calcutta University,
- a) Participated in the UGC sponsored training course in Role of Microbe in Food technology held on February 24, 2007 at the Dept. of Food Technology & Biochemical Engineering, Jadavpur University.

## **3. Seminars :**

- a) Participated in the seminar on 'Higher Education: NewFrontiers and Challenges' on Aug 26 - 27, 2000 at Maharaja Manindra Chandra College, Calcutta.
- b) Contributed paper in Sixth Seminar in Biochemistry and Biophysics on Sept 2, 2000 at IACS, Jadavpur, Calcutta.
- c) Participated in the Seminar on Environment on Sept 16, 2000 at D.A. College, Calcutta.
- d) Participated in the seminar on Emerging Areas of Biology on Dec. 21, 2002 at Sammilani Mahavidyalaya, Kolkata.
- e) Participated in the U. G. C. sponsored National Seminar on Scarcity of Potable Water: Health, Management and Future on March 13, 2004 at City College, Kolkata.
- f) Participated in the U. G. C. sponsored National Seminar on Sustainable Development: Looking Back and Looking Ahead on Nov. 29 – 30, 2004 at Sammilani Mahavidyalaya, Kolkata.
- g) Participated in the U. G. C. sponsored National Seminar on Application of Latest Developments in Physical Science on Different Life Processes and Environmental Pollution on Jan. 18, 2005 at Rammohan College, Kolkata.
- h) Participated in the U. G. C. sponsored State Level Seminar on Frontiers of Applied Biology and Biotechnology on Dec. 20, 2005 at Sammilani Mahavidyalaya, Kolkata.
- i) Participated in the National Seminar on

- Modern Biology in Health and Disease on Nov. 20, 2008 at the Dept. of Biophysics Molecular Biology and Bioinformatics, Calcutta University.
- j) Participated in the U. G. C. sponsored Seminar on Present Scenario and Future Prospects of Microbiology and Plant Biotechnology on March 9 – 10, 2011 at Asutosh College, Kolkata.
  - k) Participated in the U. G. C. sponsored Seminar on Modern Biology and its Impact on Public Health on Jan. 18, 2012 at Dinabandhu Andrews College, Kolkata.
- 3. Conference :** a) Attended conference in Recent Trends in Research on Photosciences on Jan. 30, 2004 at Jadavpur University, Kolkata.
- 4. Symposia :** a) Contributed paper in the Golden Jubilee Symposium on Trends in Cellular and Molecular Biophysics from Sept. 5 – 7, 2000 at S.I.N.P. Kolkata.
- b) Attended the Symposium on Current Trends in Research on Photochemistry and Photobiology on April 12, 2002 at Jadavpur Univ., Kolkata.
  - c) Attended UGC-DSA Sponsored one day National Symposium on Modern Biology in Health and Disease on Nov. 20, 2008 at the Dept. of Biophysics, Molecular Biology and Bioinformatics, Calcutta University.
  - d) Participated in International Symposium on Modern Biology in 21<sup>st</sup> century: eaching and Research on Dec. 7 – 8 2010 at the Dept. of Biophysics Molecular Biology and Bioinformatics, Univ. of Calcutta.

## 7. Membership in Academic Bodies:

- a) Member in Leave, Service Book and Terminal Benefit Sub- Committee.
- b) Joint Convenor in Routine Sub-Committee.
- c) Member in Academic Sub-Committee

d) Member in Online Admission & Registration Sub-Committee