



1. Name: Dr. Swati Chakraborty
2. Designation: State Aided College Teacher-1
3. Department : Department of Molecular Biology and Biotechnology
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5. Date Of joining: 9-8-2010.
6.
7. Contact Address: 32, Garpar Road, Kolkata, PIN-700009.
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9. Academic Qualifications:

Degree	Stream	College / University	Year of Passing
Ph.D.	Biophysics	University of Kalyani	January, 2011.
MA/M. Sc/M.Com	Biophysics	University of Kalyani	2002
BA/B. Sc/B.Com	Physics	University of Calcutta	2000

10. Total Experience:

- a) Teaching Experience: Around 13 years
b) Research Experience: 11 years.

11. Area of Research: Radiation biology, Microbiology, Molecular biology .

12. Publications:

- 12 a) Number of Publication in International Journal: 06
12c) Number of Publication in International Conference Proceedings: 01 (Abstract for poster presentation)
12d) Number of Publication in National Conference Proceedings: 02 (Abstract for oral and poster presentation)
12e) Number of Books: 01

13) List of Publication:

13a) International Journal:

Author(s)	Title of the Paper	Details of Journal	Publishers
A.D. Burke, J.W. Burns, Swati Chakraborty , Tanima Saha, Amitabha Ray, D.M.Bosch	Evaluation of cancer awareness, cancer education, and prevention intervention techniques among university-level students in the United states and India	Journal of Education and Health Promotion/ Volume 11/ June 2022 DOI:10.4/jehp.jehp_1422_21	Wolters Kluwer Medknow



Ramakrishna MG, Girigoswami, Swati Chakroborty Koyeli Girigoswami	Bisphenol A-an Ovevrview on its Effect on Health and Environment.	Biointerface Research in Applied Chemistry- ISSN-2069-5837 Volume 12, Issue 1, 2022, 105-119 Doi/org/10.33263/BRIAC121.10511	Platinum open access Journal
Swati Saha and Tarakdas Basu	Enhancement of UV-induced mutation in <i>E.coli</i> under heat-shock inducing conditions.	<i>Biochem Genet</i> (2010) j: 1-6 DOI 10.1007/s10528-011-9493-x ISSN 0006-2928	Springer
Bimal Jana, Subrata Panja, Swati Saha , Tarakdas Basu.	Mechanism of protonophores-mediated induction of heat-shock response in <i>Escherichia coli</i> .	<i>BMC Microbiology</i> . 2009, 9:20 ISSN no- 1471-2180	Biomed Central
Swati. Saha , Bimal Jana, Tarak das Basu	The two inducible responses, SOS and heat- shock, in <i>Escherichia coli</i> act synergistically during Weigle Reactivation of the bacteriophage ϕ X174	<i>International Journal of Radiation Biology</i> Vol. 83, No. 7, July 2007, pp. 463 – 469.. ISSN 0955-3002 print/ISSN 1362-3095.	Informa healthcare
Subrata Panja, Swati Saha , Bimal Jana, Tarakdas Basu	Role of membrane potential on artificial transformation of <i>E. coli</i> with plasmid DNA.	<i>Journal of Biotechnology</i> . 2006, 127: 14-20. ISSN 0168-1656	Elsevier

13c) International Conference

Author(s)	Title of the Paper	Details of Journal or Conference
Swati Saha and Tarakdas Basu. (Abstract for poster presentation)	Cross talk between two inducible responses, SOS and the Heat-shock, in <i>E.coli</i> during weigle reactivation of the Bacteriophage ϕ X174.	International Conference on "Chromosomes to Neurons" (2007). Dept. Of Biophysics, molecular Biology & Genetics, University of Calcutta And Saha Institute of Nuclear Physic, Kolkata, in association with IICB, IACS, EMSI (zck). January 12-14, 2007 at SINP.

13d) National Conference

Author(s)	Title of the Paper	Details of Journal or Conference
Swati Saha and Tarakdas Basu. (Abstract for oral presentation)	Role of heat-shock On UV mutagenesis in <i>E. coli</i>	National Workshop on "Interaction of Ionizing Radiation with Biological Systems" Visva-Bhaati, Zoology Department and UGC-DAE consortium for Research Development . March 29-30, 2010, held at Shantiniketan.
Swati Saha and Tarakdas Basu. (Abstract for poster presentation)	Cross talk between the SOS and the Heat-shock responses in <i>E.coli</i>	DAE-BRNS LIFE SCIENCES symposium (LSS-2005) on "Molecular Biology of Stress Response and its Applications". Dec. 19-21, 2005 held at BARC, Mumbai, India.

13e) Book:



Author(s)	Title of the Book	Publishers
Dr. Swati Chakraborty	প্রস্তুত AOC-II Application Oriented Course	Sahapathi Prakashoni

18. Seminar organized:

a. Interdepartmental seminar on “Biodiversity and Its conservation” on 13-th January, 2017. Speaker-Dr. Piyasi Bhattacharjee, Lecturer at Department of Zoology, Kanchrapara College.

b. Student seminar on “New Horizon of Molecular Biotechnology” held on 6-th February, 2017, in presence of faculty of dept. of Molecular Biology and Biotechnology. Speaker: - 3rd yr students of dept of Molecular Biology and Biotechnology, Kanchrapara College.

c. Seminar on “Bioinformatics-Its applications in Biology and Industry”. Speaker- Dr. Angshuman Bagchi, Assisstant Professor, dept of Biophysics and Biochemistry and co-ordinator of Bioinformatics. Seminar was held on 19th January, 18.

d. Inter department seminar on “Present Status and New Threats from Arsenic and Fluoride Contamination in West Bengal”, held on 20-th February,2018.Speaker- Dr. Piyal Bhattacharya, HOD, Depratment of Environmental science, Kanchrapara College.

e. Student directed seminar on “Different Aspects and applications of Biology to Improve Existence” in presence of faculty of dept. of Molecular Biology and Biotechnology and honorable guest Dr. Piyal Bhattacharya, HOD, Depratment of Environmental science, Kanchrapara College, held on 20-th February,2018. Speaker: - 3rd yr students of dept of Molecular Biology and Biotechnology, Kanchrapara College.

f. Student seminar on ‘Molecular approach to Biological system’ on 29-th January, 2015

g. Departmental seminar on ‘Techniques used in plant tissue and organ culture’. Speaker Dr. Tapas Kumar Bandyapadhyay, H.O.D. and associate professor, Dept of Molecular Biology and biotechnology, University of Kalyani on 18-th March, 2015.

h. One day seminar on ‘Gene therapy-promise and challenges’. Speaker Dr. Utpal Ghosh, H.O.D. and assistant professor, Dept of Molecular Biology and biotechnology, University of Kalyani on 12-th April, 2016.

i. Inter department seminar on ‘Biodiversity and Its conservation’. Speaker Dr. Piyasi Bhattacharjee, Dept of Zoology, Kanchrapara College on 13-th January, 2017.

j. Student seminar on ‘New Horizon of Molecular Biotechnology’ held on 6-th February, 2017.

k. One day seminar on ‘Bioinformatics-Its Applications in Biology & Industry’ Speaker Dr. Angshuman Bagchi, Co-ordinator of BIF centre, assistant Professor of Biochemistry, Dept of Biochemistry & Biophysics. Held on 19th January, 2018.

19 Short term courses/ Workshop attended:

One-Day Workshop on “Electron Microscopic Techniques: holey film, carbon film and ultramicrotomy”. National Institute of Cholera & Enteric Diseases, Kolkata and Electron Microscope Society of India, East Zone Chapter. 30th July, 2012.

20. Area of Specialization: Biophysics, Microbiology, Molecular biology.

