

SELF PROFILE



1. Name : **Sukla Rajak**
2. Designation : Assistant Professor
Physics
3. Date of Joining : 01.04.2010
4. Official Address : M.U.C. Women's College,
B.C. Road, Rajbati
Burdwan, West Bengal
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5. Permanent Address : Vill: Bararankua
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6. Present Address : M. U. C. Women's College Staff Quarter,
B-4, Pairakhana Lane, Natunganj, Pin-713102
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Biography:

Sukla Rajak is Assistant Professor of Physics at M. U. C. Women's College, under the University of Burdwan, West Bengal. She has done her schooling (MP) from Barjora Girl's High School and (HS) from Barjora High School, Bankura. she has completed her Graduation with honours in Physics from Bankura Christian College, Bankura and Post Graduation in Physics under The University of Burdwan, Burdwan. Mrs. Rajak initially joined as Assistant Teacher at Basuli Banpusra High School, Chhatna, Bankura. At Present she is also serving as Programme Officer of the Department NSS, M.U.C. Women's College, Burdwan since April, 2012. She has also

participated in many national or international seminars and conferences and published some papers. She is also associated with a variety of educational committees of this college.

9. Educational Qualification:

- a) Madhyamik : W.B.B.S.E,
Barjora Girl's High School, 2001
- b) Higher Secondary: W.B.C.H.S.E,
Barjora High School, 2003
- c) B.Sc. (Hons.) in Physics : Bankura Christian
College, The University of Burdwan, 2006
- d) M.Sc. in Physics: The University of Burdwan,
2008

10. Specialization : Radio Physics and Electronics.

11. Priority areas for Research : *“Transparent conducting oxides and nitrides
in optoelectronic devices and Photonics”*

12. Paper Presented in the Seminar:

1. **“Comparative study of plasmonic resonance in transparent conducting oxides”**, *Sukla Rajak, Mina Ray, (XXXVII National Symposium Of Optical Society Of India-2013, OSI, Pondichery, Jan 23-25, 2013).*

2. **“Surface plasmon excitation in Al- and Ga-doped Zinc oxides”** *Sukla Rajak, Mina Ray, (Third national seminar on recent trends in condensed matter physics including laser application, The University of Burdwan, Burdwan, Mar 05-07, 2013)*

3. **“ITO Substitutes for plasmonics applications in NIR frequency Range”** *Sukla Rajak, Mina Ray, (International Conference on Nanotechnology ICNT-2013, Oct 25th and 26th, 2013, HIT, Haldia)*

4. **“Phase Sensitive Nanosensor Using waveguide Coupled Asymmetric Plasmonic resonance”**, *Mahua Bera, Sukla Rajak, Mina Ray, (*

International Conference On Optics and Optoelectronics, ICOL-2014, Dehradun)

5. “Effects Of Annealing On Resonance Spectra Using Ga doped ZnO”, *Sukla Rajak, Mina Ray, (International Conference On Optics and Optoelectronics, ICOL-2014, Dehradun)*

6. “Comparative study of plasmonic resonance in transparent conducting oxides: ITO and AZO”
,Sukla Rajak, Mina Ray , J Opt , DOI 10.1007/s12596-014-0215-8

13. Member of Different Committees of the College:

- a) “Admission Committee ” (Since 2010)
- b) “Result Committee”, (since 2010)
- c) “Sports Committee”, (2011-2012)
- d) “Sports Committee” (2012-2013)
- e) “Examination Sub-Committee”-(Since 2010)

14. Convener & Jt. Convener:

- a) **Programme Officer** of the NSS Unit -1 of M.U.C. Women’s College in 2012-2013
- b) **Programme Officer** of the NSS Unit -1 of M.U.C. Women’s College in 2013-2014

15. Seminars, Conferences, Symposia, Workshops, Refresher Course etc attended:

Name of the Seminars, Conferences, Symposia, Workshops, Refresher Course etc.	Name of the sponsoring agency	Place	Date
1.94 th Orientation Programme	UGC sponsored and Organised by Academic Staff College, The University of Burdwan	Academic Staff College, The University of Burdwan	24/01/2014 to 20/02/2014

2.INO Science Outreach Programme	Dept. of Physics, The University of Burdwan.	Dept. Of Physics,Burdwan	01/04/2014
3.National Seminar on 'Frontier in Chemistry'.	UGC sponsored and Organised by M.U.C.Women's College, Burdwan.	M.U.C.Women's College, Burdwan	4 th and 5 th December ,2013
4. International Conference on Nanotechnology(ICNT-2013)	Haldia Regional Centre (HRC), Indian Institute of Chemical Engineers (IChE) and Dept. Of Chemical Engineering, HIT	ICARE Complex, HIT Campus, Haldia, Pin- 721657	25/10/2013 and 26/10/2013
5.National Seminar on Contemporary Role Of The Panchayat Raj Institutions (PRIs) And Ethnic Movements In Rural Development	UGC sponsored and Organised by Dept. Of Political Science Of M.U.C.Women's College, Burdwan.	M.U.C.Women's College, Burdwan	06/09/2013
6.UGC Sponsored National Seminar On Swami Vivekananda And Present Day Indian Society	UGC Sponsored and Organised by Dept. Of Philosophy Of M.U.C.Women's College, Burdwan	M.U.C.Women's College, Burdwan	12/09/2013 and 13/09/2013
7. U.G.C. sponsored Third National Seminar On Recent Trends In Condensed Matter Physics Including Laser Application ‘	Dept of Physics, Centre Of Advanced Study, The University Of Burdwan	Dept. Of Physics, The University Of Burdwan	05/03/2013 to 07/03/2013

8. . U.G.C. sponsored National Seminar On Environmental Hazards And Disasters : Impact Assessment And Management	UGC sponsored and Organized by Dept. Of Geography Of M.U.C.Women's College, Burdwan	M.U.C.Women's College, Burdwan	08/12/2010
9. National Seminar (U.G.C. sponsored) On Challenges Of Biology in the 21 st Century	UGC sponsored and Organized by Dept. Of Botany Of M.U.C.Women's College, Burdwan	M.U.C.Women's College, Burdwan	01/12/2011 and 02/12/2011
10. U.G.C. sponsored National Seminar On Women & Society In Colonial India : Debates And Discourses	UGC sponsored and Organized by Dept. Of Botany Of M.U.C.Women's College, Burdwan	M.U.C.Women's College, Burdwan	29-30 th November, 2011
11. U.G.C. sponsored Two Day International Seminar On Global Warming	Burdwan Raj College, Burdwan	Burdwan Raj College, Burdwan	23-24 th November, 2011
12. U.G.C. sponsored Second National Seminar On Recent Trends In Condensed Matter Physics Including Laser Application (SNSCMPLA 2012)	Dept of Physics, Centre Of Advanced Study, The University Of Burdwan	Dept. Of Physics, The University Of Burdwan	22-23 March, 2012
13. National Conference on 'Particle Physics and Cosmology'	Department of Physics, Burdwan University, Golapbag	Department of Physics, Burdwan University, Golapbag	24-25 March, 2011
14. . U.G.C. sponsored National Seminar On	UGC sponsored and Organized by Dept. Of	M.U.C.Women's College, Burdwan	15 th and 16 th December, 2010

Resurgent Vector –Borne Diseases And Climate Change : a Threat to Mankind	Zoology Of M.U.C.Women’s College, Burdwan		
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