

Curriculum Vitae

SAJAL BISWAS

Assistant Professor
Department of Physics
Krishnagar Women's College



- 1) Name : SAJAL BISWAS
- 2) Designation: Assistant Professor, Department of Physics, Krishnagar Women's College, Krishnagar, Nadia, West Bengal, PIN- 741101.
- 3) Email Id : sajalphys@gmail.com
- 4) Qualifications :
 - A) Educational
 - i. Passed B.Sc. with Physics Honours from Krishnagar Govt. College under University of Kalyani in the year 2007.
 - ii. Passed M.Sc. with Specialization in Electronics in Physics from University of Kalyani in the year 2009.
 - B) Professional Qualification
 - i. Qualified Joint CSIR-UGC NET in the year 2008.
 - ii. Passed B.Ed. form IGNOU in the year 2014.
- 5) Languages Known: Bengali, English, Hindi
- 6) Computer Skills: MS Office, Excel, PowerPoint, MS Paint, Photoshop, Microsoft GIF Animator, LaTeX etc.
- 7) Programming Languages Known: FORTRAN, MATLAB, SCILAB, SCILAB, Gnuplot etc.
- 8) Teaching Experience: Serving as Assistant Professor of Physics in Krishnagar Women's College since 31st March 2015 till date.
- 9) Research and Academic Contribution
 - A) Conferences, Seminars, Workshops, Symposia Attended

Sl No.	Title of Conference/ Seminar	Organized by	Whether International / National /State/ Regional /College or University level
1	Celebration of 100 years of General theory of relativity	Department of Physics, Santipur College	State Level Seminar
2	Celebrating the Centenary of Einstein's General Relativity-2016, A tribute to Karl Schwarzschild (CCEGR-2016)	Krishnagar Women's College, Kanchrapara College and Bankura University	U.G.C. Sponsored National Seminar
3	Emerging Geo-Environmental Issues and Challenges of 21st Century	Department of Geography, Krishnagar Women's College in Collaboration with Konkan Geographers Association of India, Sindhudurg, Maharashtra	National Seminar
4	Recent Development in Mathematics and its Application in Other Branches	Department of Mathematics, Kalyani Mahavidyalaya,	U.G.C. Sponsored National Seminar

	of Science	Kalyani, Nadia, W. B.	
5	Gravitational Wave Detection	Department of Physics, Santipur College	State Level Seminar
6	Recent Trends in Physics: Research and Education	Department of Physics , Barrackpore Rastraguru Surendranath College, Barrackpore, Kolkata, W. B.	U.G.C. CPE funded one day State Level Seminar
7	International Conference on Computer, Electrical & Communication Engineering (ICCECE) -2019	Techno India University, EM-4, Sector-V, Salt Lake, Kolkata, WB, India	International Conference
8	National Conference On Advanced Mathematical & Applied Sciences (Online Mode)	Department of Mathematical Sciences Bodoland University, Kokrajhar, Assam	National Conference
9	Education in Post Covid 19 Era	Bethuadahari College, Nadia	State Level Webinar
10	Social Constraints in Pandemic Situation	Amdanga Jugal Kishore Mahavidyalaya, Amdanga, North 24 Parganas	State Level Webinar
11	Environment and Climate Change	Nabadwip Vidyasagar College	International Webinar
12	Active Matter : A theorist's Overview	Nabadwip Vidyasagar College	International Webinar
13	COVID 19 What we can expect in the future?	Nabadwip Vidyasagar College	National Webinar
14	Why don't we think differently? (Elementary Dynamics & Fermat's Principle)	Nabadwip Vidyasagar College	State Level Webinar
15	Search for A unified Law of Universe	Ranaghat College	State Level Webinar
16	Reviving Learning in Post Covid-19 Periods : Reoriented Roles of Teachers	Hazi A.K.Khan Colege	State Level Webinar
17	Fundamental of Electric Circuits and the Historical Developments	Nabadwip Vidyasagar College	National Webinar
18	International Webinar on Yoga as a means of Healthier Lifestyle during Corona Virus Pandemic	Department of Physical Education, University of Kalyani	International Webinar
19	COVID Pandemic Awareness Programme	Krishnagar Women's College	Online Awareness Programme
20	State Level Workshop on Career Advancement Scheme For College Teachers	Krishnagar Women's College	State Level Workshop
21	Everything You Need About COVID- 19 : A COVID awareness Session	Krishnagar Women's College	State Level Webinar
22	Two-day National Webinar(15/01/2022-16/01/2022)	Krishnagar Women's College	National Webinar

23	IP awareness Training Program (22 April 2022)	NIPAM	National Intellectual Property Right Mission
24	Online Orientation Programme on Civil Service Aspirant (08.11.2021)	Krishnagar Women's College	College Level Program

B) Papers Presented in Conferences, Seminars, Workshops, Symposia

Sl No.	Title of the Paper Presented	Title of Conference/ Seminar	Organized by	Whether International / National /State/ Regional /College or University level
1	Doppler Effect And Meaning of Colours of Stars	Celebrating the Centenary of Einstein's General Relativity-2016, A tribute to Karl Schwarzschild (CCEGR-2016)	Krishnagar Women's College, Kanchrapara College and Bankura University	U.G.C. Sponsored National Seminar
2	Radioactivity: Use and waste management	Emerging Geo-Environmental Issues and Challenges of 21st Century	Department of Geography, Krishnagar Women's Collegein Collaboration with Konkan Geographers Association of India, Sindhudurg, Maharastra	National Seminar
3	Use of Mathematics in Different Fields of Physics	Recent Development in Mathematics and its Application in Other Branches of Science	Department of Mathematics, Kalyani Mahavidyalaya, Kalyani, Nadia, W. B.	U.G.C. Sponsored National Seminar
4	Semiconductor to metallic transition of Bismuth Telluride with incorporation of Graphene- Its enhanced thermoelectric properties	International Conference on Computer, Electrical & Communication Engineering (ICCECE) -2019	Techno India University, EM-4, Sector-V, Salt Lake, Kolkata, WB, India	International Conference
5	Some Simple Mathematical Computations in Undergraduate Physics	National Conference On Advanced Mathematical & Applied Sciences (Online Mode)	Department of Mathematical Sciences Bodoland University, Kokrajhar, Assam	National Conference
6	Hands on Activity	Conducting an Online Programme : Some Technical	Jointly Organized by Department of Physics and Department of	College Level Faculty Development Programme

		Aspects	Economics	
7	National Science Day: AN OVERVIEW	National Science Day	Krishnagar Women's College All Science Departments	College Level

C) Articles/ Chapters published in Books

Sl No.	Title with page No.	Book Title, Editor and Publisher	ISBN/ISSN/ d.o.i. No.
1	Doppler Effect And Meaning of Colours of Stars, "98-104".	RELATIVITY REVISITED <i>Conference Proceeding of CCEGR-2016</i> , Dr. R. Biswas and Dr. S. K. Hui, Krishnagar Women's College	ISBN : 1978-81-924395-5-6
2	Radioactivity: Use and Waste Management , "59-63".	The Konkan Geographer <i>Interdisciplinary National Level Research Journal</i> , Dr. R. B. Patil, Konkan Geographers Association of India	ISSN - 2277-4858
3	Semiconductor to metallic transition of Bismuth Telluride with incorporation of Graphene- Its enhanced thermoelectric properties, "1-4".	Conference Processing, IEEE Xplore	https://doi.org/10.1109/ICCECE44727.2019.9001902 Electronic ISBN:978-1-7281-0697-7

10) Training Courses, Teaching -Learning–Evaluation Technology Programmes, Faculty Development Programme

Sl No	Name	Organized By	Duration
1	2 days training for e-Pension related works of College Employees.	JDPI, E-pension at ATI, Salt Lake	27th and 28th March 2017
2	Online Interdisciplinary Refresher Course in MOOCs and E-Content development	UGC HRDC, Pondicherry University	17 – 30 November 2020
3	4 th Faculty Induction Programme (FIP-NBU-04)	UGC HRDC, North Bengal University	February 04 2021- March 05 2021
4	UGC Sponsored One week workshop on Leadership Development	UGC HRDC Himachal Pradesh University	25.10.2021 to 30.10.2021
5	UGC Sponsored STC Nature and Society of Indian	UGC HRDC, North Bengal University	November 23, 2021 to November 29, 2021

	Himalayan Region		
6	UGC Sponsored Webinar on NEP-2020: Curriculum Designing in Higher Education	UGC HRDC, Pondicherry University	20 January 2022
7	UGC Sponsored RC on Recent Advancement in Science and Technology	UGC HRDC, North Bengal University	February 15, 2022 to February 28, 2022

Along with these Attended 1 (one) Professional Development Programme organized by Krishnagar Women's College.

11) Positions Held :

- A) Head, Department of Physics- 1st February 2017 – 30th June 2019.
- B) Acting as College Authorized Teacher of E-Pension since April 2017.
- C) Acting as Secretary Teacher's Council, Krishnagar Women's College since 12.05.2017 till date.
- D) Acting as the Nodal Officer in Banglar Ucchashiksha Portal for the College end of Krishnagar Women's College since 31.12.2020.
- E) Performed Duties as Nodal Officer of Vaccination Camps on 29th September 2021 and 3rd January 2022.
- F) Acted as Convenor/ Members of different Sub-Committees of Krishnagar Women's College

Sl. No.	Session	Member of the Sub-committee/s	Convenor of the Sub-committee/s
1	2014-2015	Admission Committee	-
2	2015-2016	Admission Committee, U. G. C. Committee and Hostel Committee	-
3	2016-2017	Admission Committee, Budget Committee, Purchase Committee and U. G. C. Committee, Academic Sub-Committee, Library Committee	Network Resource Centre Committee.
4	2017-2018	Grievance Redressal Cell, Seminar Committee, and U. G. C. Committee, Academic Sub-Committee, Library Committee	Network Resource Centre Committee
5	2018-2019	Grievance Redressal Cell, Academic Sub-Committee, Library Committee	Network Resource Centre Committee
6	2019-2020	Member of Magazine and Journal Committee, Network Resource Centre Committee, Canteen Committee	Admission Committee
7	2020-2021	Academic Sub-Committee, Examination Committee, E-pension processing Committee, Student Support and Progression Committee, Equal Opportunity Cell	Nil
8	2021-2022	Member IQAC, Nodal officer Banglar Ucchashiksha Portal, Ex officio member of all subcommittees except Finance, NSS and ICC Committee	E-pension processing committee, In-charge of Databank

12) Co-Curricular, Extension and Professional Development Related Activities:-

Guided and supervised the students of UG Part- I students in the Field Work of Compulsory Environmental Studies.

- 13) Hobby: Making Scientific Models, Sculptures, Photography, Video making, Making E-Contents, Making YouTube videos etc.
- 14) Member of Paschim Banga Vigyan Mancha since August 2021.
- 15) Projects Completed : NIL
- 16) Research Guidance: NIL
- 17) Research Interest: Recent trends in Physics Research, Machine Learning, Cloud Computing, and Computational Physics.