

# Faculty Profile

## Santipur College

### Department of Chemistry

### General Information



Name	Dr. Sanjoy Dhara
Designation	Associate Professor
Date of joining	05.04.2005
Address	Santipur College, Santipur, Nadia
Mobile	7908595670
Contact E-mail	<a href="mailto:sanjoybsda@yahoo.co.in">sanjoybsda@yahoo.co.in</a>
Academic Qualification	M.Sc, B.EdPhD

### Research And Publication

Area of Specialization			Nuclear and Analytical Chemistry
Research interest			Nuclear and Analytical Chemistry
Paper Publication			
Sl. No.	Date	Title	Publisher / Other Information
1	2018	An oxamato bridged trinuclearcopper(II) complex with 5-nitro-1,10-phenanthroline; Synthesis, reactivity, DNA and BSA binding study	IJPAC, Vol- 13, Page -

2	2018	Separation of Carrier-Free $^{115m}\text{In}$ from Its Parent $^{115}\text{Cd}$ Using the Synthesized TODGA-Impregnated Silica Gel	Radio chemistry, Vol 60, Page 470-471
3	2018	DNA binding International Journal of Pure and Applied Chemistry	(IJPAC) 13/141-147
4	2018	TODGA	Radiochemistry 60/548-551 ISSN 1066-3622
5	2011	Quinolinephosphomolybdate as ion exchanger: Synthesis, characterization, and application in separation of $^{90}\text{Y}$ from $^{90}\text{Sr}$	Radioanal Nucl Chem 287/55-59
6	2011	Preparation, characterization and Evaluation of an Inorganic Ion Exchanger in separation of Carrier-Free $^{137m}\text{Ba}$ from $^{137}\text{Cs}$	Radiochemistry 53/534-538 ISSN 1066-3622
7	2009	A novel aluminiumvanadate ion exchanger and its use for separation of $^{137m}\text{Ba}$ , $^{115m}\text{In}$ and $^{110m}\text{Ag}$ from $^{137}\text{Cs}$ , $^{115}\text{Cd}$ and $^{198}\text{Au}$ , respectively	Applied Radiation and Isotopes 67/1764-1768 <a href="http://www.elsevier.com/locate/apradiso">www.elsevier.com/locate/apradiso</a>
8	2009	Separation of $^{90}\text{Sr}$ - $^{90}\text{Y}$ pair over cerium(IV)iodotungstate cation exchanger	Applied Radiation and Isotopes 67/530-534 <a href="http://www.elsevier.com/locate/apradiso">www.elsevier.com/locate/apradiso</a>
9	2009	Separation of $^{137}\text{Cs}$ - $^{137m}\text{Ba}$ , $^{115}\text{Cd}$ - $^{115m}\text{In}$ and $^{198}\text{Au}$ - $^{110m}\text{Ag}$ at tracer level on	Radiochim acta Authors: Sanjoy Dhara, Sukalyan Basu, Pabitra Chattopadhyay,

		aluminiumvanadate ion exchanger	
10	2007	Separation of $^{137m}\text{Ba}$ from $^{137}\text{Cs}$ using new ion exchanger $[\text{Na}_2(\text{H}_2\text{O})_4(\text{H}_3\text{O})[\text{Al}(\text{OH})_6\text{Mo}_6\text{O}_{18}]$	Radiochim, Acta 95/297-301 By oldenbourg wissenschaftsverlag, Munchen
11	2006	Separation and determination of some metal ions on new chelating resins containing N, N donor sets	Anal. Chim. Acta 556/430-437 <a href="http://www.elsevier.com/locate/acs">www.elsevier.com/locate/acs</a> Available online at <a href="http://www.sciencedirect.com">www.sciencedirect.com</a> Authors: Sadhan Pramanik, Sanjoy Dhara, Shuvendu Bhattacharyya, Pabitra Chattopadhyay
13	29.09.2006 - 01.10.2006	Separation of $^{137m}\text{Ba}$ from $^{137}\text{Cs}$ using new ion exchanger $[\text{Na}_2(\text{H}_2\text{O})_4(\text{H}_3\text{O})[\text{Al}(\text{OH})_6\text{Mo}_6\text{O}_{18}]$	Symposia paper Proceedings of DAE-BRNS Symposium of emerging trends in separation science and Technology, (SESTEC) Bhaba Atomic Research Centre, Mumbai, India Authors: Sanjoy Dhara , Sourav De, Sukalyan Basu , Michael G.B. Drew and Pabitra Chattopadhyay
14	14.02.2007 - 17.02.2007	Separation of $^{90}\text{Sr}$ - $^{90}\text{Y}$ pair over cerium(IV) iodotungstate cation exchanger	Symposia paper Proceedings of the Nuclear and Radiochemistry Symposium, NUCAR, Vadodara, Gujrat, India. Authjors: Sanjoy Dhara, Sukalyan Basu, Pabitra Chattopadhyay
15	15.03.2008 - 17.08.2008	Separations of $^{137}\text{Ba}$ - $^{137m}\text{Cs}$ and $^{115}\text{Cd}$ - $^{115m}\text{In}$ mixtures on Aluminium vanadate Ion exchanger	Symposia paper Proceedings of DAE-BRNS Symposium of emerging trends in separation science and Technology, (SESTEC) Delhi University, Delhi, India Authors: Sanjoy Dhara, Pabitra Chattopadhyay, Sukalyan Basu
16	7 <sup>th</sup> Jan-10 <sup>th</sup> Jan, 2009	Synthesis of aluminium tungstate and its application to the separation of $^{137m}\text{Ba}$ from $^{137}\text{Cs}$ at the tracer level	Symposia paper Proceedings of the Nuclear and Radiochemistry Symposium NUCAR, RC & 1G, Mumbai, India Authors: Sanjoy Dhara, Pabitra Chattopadhyay and Sukalyan Basu
<b>Talks/ Paper or Poster Presentations/ Chairing Sessions/ Seminar/</b>			

**Webinar/ Workshop/ RC/ OP/ Short term Course/ Any Other attended**

Sl. No.	Date	Title /Event	Place /Organiser/ Other Information
1	2017	Poster presentation	Shyamsundar College, Shyamsundar Purba Barddhaman
2	14.02.2017	Poster presentation	Barrackpore Rastraguru Suranderanath College, Barrackpore, Kol-700120/Department of Chemistry
3	25.03.2017 - 26.03.2017	Poster presentation	Visva Bharati University Shantiniketan, Birbhum Department of Chemistry, Siksha Bhavan
4	07.03.2017 - 09.03.2017	Poster presentation	Rajbandh, Durgapur, Paschim Barddhaman Department of Applied Sciences and Humanatics, DIATM in Association with the Institution of Engineers (India) Durgapur.
5	17.05.2016 - 20.05.2016	Symposium of emerging trends in separation science and Technology (SESTEC-2016)	IIT Guhati, Assam DAE-BRNS
6	24.02.2016	Poster presentation	Department of Chemistry University of Kalyani, Kalyani741235, Nadia
7	05.11.2014 - 06.11.2014	Poster presentation	Department of Applied Sciences and Humanatics, DIATM in Association with the Institution of Engineers (India) Durgapur Rajbandh, Durgapur, Paschim Barddhaman
8	30.10.2013 - 31.10.2013	Poster presentation	Rajbandh, Durgapur, Paschim Barddhaman Department of Applied Sciences and Humanatics, DIATM in Association with the Institution of Engineers (India) Durgapur
9	01.12.2009 - 06.12.2009	International Conference on resent research and trends in Chemical Science(ICRRDCS)	Poster presentation Vellore Institute of Technology (VIT) University, Vellore-632014, Tamilnadu School of Science, VIT University
10	07.01.2009	Proceedings of the	Poster presentation

	- 10.01.2009	Nuclear and Radiochemistry Symposium, NUCAR	RC & IG, Mumbai, India/
11	25.04.2008 - 27.04.2008	Advanced Spectroscopy, Theoretical Chemistry, Synthesis, Reactivity and Structure Evaluation	UGC-Sponsored National Seminar The University of Burdwan, Purba Burdwan-713104, West-Bengal, India
12	15.03.2008 - 17.03.2008	Symposium of emerging trends in separation science and Technology,(SESTEC)	Poster presentation Delhi University, Delhi, India/ Proceedings of DAE-BRNS
13	14.02.2007 - 17.02.2007	Proceedings of the Nuclear and Radiochemistry Symposium, NUCAR	Poster presentation Vododa, Gujrat, India
14	29.09.2006 - 01.10.2006	Proceedings of DAE- BRNS Symposium of emerging trends in separation science and Technology, (SESTEC)	Poster Presentation Bhaba Atomic Research Centre (BARC), Mumbai, India/
15	25.04.2008 - 27.04.2008	Separation of $^{137}\text{Cs}$ - $^{137\text{m}}\text{Ba}$ , $^{115}\text{Cd}$ - $^{115\text{m}}\text{In}$ and $^{198}\text{Au}$ - $^{110\text{m}}\text{Ag}$ at tracer level on aluminiumvanadate ion exchanger	Oral Presentation UGC-Sponsored National Seminar on Advanced Spectroscopy, Theoretical Chemistry, Synthesis, Reactivity and Structure Evaluation Department of Chemistry, The University of Burdwan, Burdwan, India
15	30.10.2013 - 31.10.2013	Rajbandh, Durgapur, Paschim Barddhaman/Department of Applied Sciences and Humanatics, DIATM	National seminar on Recent Trends in Applied Sciences and Humanities
16	14.02.2014 - 15.02.2014	Impact of Pollution: Assessment and Awareness	Hooghly Womens College Pupilpati, Chinsurah, Hooghly, W.B Department of Science and Technology (Govt. of W.B)
17	05.11.2014 - 06.11.2014	International seminar on Recent Trends in Applied Sciences and Humanities (India) Durgapur	Rajbandh, Durgapur, Paschim Barddhaman/Department of Applied Sciences and Humanatics, DIATM in Associated with the Institution of Engineers
18	12.12.2014	Symposium on Chemistry and its	Sitananda College Nandigram, Purba Midnapore, W.B,

		Interface with other Science Disciplines	India
19	02.04.2015	Santipur College, Santipur, Nadia, W.B, India	Quality Assurance in Higher Education
20	17.05.2016 - 20.05.2016	Emerging Trends in Separation Science and Technology (SESTEC-2016)	Indian Institute of Guwahati, Assam Separation of Science and Technology (SESTEC) and Department of Atomic Agency (ADE)-BRNS
21	15.02.2016	Sexual Harassment and higher Education Institutions	State Level Interactive Seminar Santipur College, Santipur, Nadia, W.B
22	27.10.2016	Celebration of 100years of General Theory of Relativity	Santipur College, Santipur, Nadia, W.B One day State Level Seminar
23	24.02.2016	Current Trends in Chemistry-VII(NSCTC-VII)	National Seminar Department of Chemistry University of Kalyani-741235, Nadia, W.B, India
24	29.02.2016, 04.03.2016, 15.03.2016	Current Trends on Modern Biology Research in Health and Diseases, Trends in Nanomaterials and Biomedical Science Research, and Telomerase and Telomere Biology: from Molecule to Disease	Seminar Series Sponsored by DST-PURSE of University Department of Biochemistry and Biophysics, University of Kalyani-741235, Nadia, W.B, India
25	27.08.2016	Environmental Consciousness and Sustainable Development: Issues and Challenges	One Day Seminar Santipur College, Santipur, Nadia W.B, India
26	01.12.2016	Rabindranather Chinta Chetana O Darshon Fere Dekha	One day State level Seminar Center for Tagore Studies Santipur College, Santipur, Nadia, W.B
27	10.02.2017	Adhunikata O amader Satta: Niti, Rajniti, Dorshon	One day National level Conference Santipur College, Santipur, Nadia, W.B Department of Philosophy and Political science
28	14.02.2017	Recent Development in Chemical Sciences	National Seminar Barrackpore Rastraguru Suranderanath

			College, Barrackpore, Kol-700120
29	07.03.2017 - 09.03.2017	Synthesis, Reactivity, DNA Binding Study of Trinuclear Copper (II) Complex	Rajbandh, Durgapur, Paschim Bardhaman Department of Applied Sciences and Humanities, DIATM
30	24.03.2017 - 25.03.2017	National Seminar on Recent Trends in Chemistry Research	Department of Chemistry Visva Bharati University Santiniketan, W.B, India
31	06.04.2017 - 08.04.2017	Chemistry: The Basis and Advances	Lecture Workshop Sponsored by Indian National Science Academy, New Delhi, Indian Academy of Science, Bangalore, and the National Academy of Science, Allahabad. Department of chemistry University of Kalyani-741235, Nadia, W.B, India
<b>Projects</b>			
Sl. No.	Date	Title /Event	Approval/ Other Information
1	04.03.2015 - 03.03.2017	Synthesis, structure, reactivity and biological activity of 3d metal ions with nitrogen-sulphur donor ligands	UGC Approval letter No. and date F.No. PSW-101/14-15(ERO) dated 03.02.2015

## Institutional Responsibilities

<b>Portion of syllabus allotted</b>		
Semester	Major/ Minor/ SEC/ MDC/ Other	Topic allotted
Semester 1		
Semester 2		
Semester 3		
Semester 4		

Semester 5		
Semester 6		
<b>Administrative responsibilities</b>		
1	Head of Department	Since 2015
2	ANO, NCC unit, Boys' Wing	Since 2007
<b>Institutional Committees</b>		
<b>Sl. No.</b>	<b>Name of Committee</b>	<b>Member / Convener</b>
1	SC/ST Committee	Member
2	Games and Sports	Member
3	RTI Committee	Member