



Dr. Samir K Siddhanta

Associate Professor
Department Of Chemistry

Contact Information

Contact Address (Office)
5 Lala Lajpat Rai Sarani,
Kolkata: 700 020

Contact Number (Office)
(033) 4413-1525

E-Mail ID (Official)
samir.siddhanta@thebges.edu.in

Specialization

- Organic Chemistry



**THE BHAWANIPUR
EDUCATION SOCIETY COLLEGE**

Biographical Sketch

Dr Siddhanta completed his B Sc in Chemistry from Scottish Church College and M Sc (Organic Chemistry) from University of Calcutta. He has received his Ph D degree from Department of Polymer Science & Technology, University of Calcutta. He joined in Saha Institute of Nuclear Physics (SINP) as Research Associate. Prior to joining this institution, he worked as lecturer (contractual) in Chemistry in St. Xavier's College, Kolkata. He has also visited Hokkaido University, Japan for a short term post doctoral research work. As a Guest lecturer he has also worked in the Department of Jute & Fiber Technology, University of Calcutta.

Academic Qualifications

Abbreviation of the Degree	Name of the College / University	Year of passing
Ph.D	University of Calcutta	2000
M Sc	University of Calcutta	1993
B Sc	Scottish Church College, Kolkata	1991

Other Qualifications

- GATE-94 (IIT-KGP), NET (CSIR-UGC) and SLET (WBCSC) qualified



Dr. Samir K Siddhanta

Associate Professor
Department Of Chemistry

Ugc Sponsored Major Research Project

UGC Research Award

Title	Date
On The Synthesis and Characterization of Polyaniline and Polypyrrole based Conducting Hydrogels	F.30-1/2009(SA-II) dated July 2009

Collaborative Assignments

- Pursued Research work collaboration with Department of Physics, Bose Institute (Kolkata) and Department of Polymer Science & Technology, University of Calcutta.

Experience In Guiding/co-guiding Reaserch Scholar

- Co-guided project work for the students of B Tech in Jute & Fiber Technology (Subject: Engineering chemistry)

Position Hold

- Junior Research Fellow (UGC) September -1994 - August -1996
- Senior Research Fellow (UGC) September -1996 - August -1998
- Extended Senior Research Fellow (CSIR) September -1998 - August - 2000
- Research Associate (SINP, Kolkata) September - 2000 - December - 2000
- Contractual Lecturer (St. Xavier's College): January - 2001 - May - 2001
- Lecturer in Chemistry(UGC), The Bhawanipur Education Society College: May - 2001- April - 2013
- Reader in Chemistry (UGC),The Bhawanipur Education Society College: May - 2013
- Associate professor in chemistry (UGC), May - 2013 - continuing





Dr. Samir K Siddhanta

Associate Professor

Department Of Chemistry

Subject Taught

Chemistry (Hons & Gen)

Research Interests

Inherently Conducting Polymers | Conducting Hydrogel | Conducting Composites | Thermoplastic Vulcanizates

Journal Publications

- Asis K. Mandal, Debabrata Chakraborty, MahuyaDas and Samir K Siddhanta, On the Engineering Properties of TPV derived from Hypalon, PP and a Compatibilizer (PMES-MA) prepared by dynamic vulcanization. J Polym Mater.: An International J.(accepted)
- Samir K. Siddhanta, AloDutta and T.P. Sinha, PAMPS-PANI Hydrogel: Structural, Morphological and AC-conductivity Study:Current Applied Polymer Science; Vol.1, No.2, 107-177(2017).
- Asis K. Mandal, Debabrata Chakraborty, Samir K. Siddhanta, Effect of the Compatibilizer, on the Engineering Properties of TPV Based on HypalonVR and PP Prepared by Dynamic Vulcanization, J Appl Polym Sci;Vol. 131, No 11, 40312-40319 (2014).
- A K Mandal, S K Siddhantaand D Chakraborty, Chlorosulphonated Polyethylene-Polypropylene Thermoplastic Vulcanizate: Mechanical, Morphological, Thermal and Rheological Properties, J Appl Polym Sci, Vol.127, No 2, 1268-1274 (2013).
- P K Mandal, S K Siddhanta and D Chakraborty, Effect of the Compatibilizer, EAA on the Engineering Properties of PP/Vectra A 950 Blends, J. Polym. Mater. Vol.29, No 2, 95-108 (2012).
- P K Mandal, S K Siddhanta and D Chakraborty, Engineering properties of compatibilized Polypropylene/Liquid Crystalline Polymer blends, J Appl Polym Sci. Vol.124, 5279-5285 (2012).
- S K SiddhantaOrganosoluble Poly(o-toluidine), Solid state physics, Proceedings of the DAE Solid State Physics Symposium 2010, AIP Conf. Proc. 1349, 1265-1266 (2011).
- P K Mandal, S K Siddhanta and D Chakraborty, Studies on the engineering properties of LCP-Vectra B950 blends with the variations of EAA content, J Appl Polym Sci. Vol.119, 1034-1041(2011).





Dr. Samir K Siddhanta

Associate Professor

Department Of Chemistry

Journal Publications

- P K Mandal, S K Siddhanta and D Chakraborty, Exploring mechanical, thermal, morphological and rheological properties of Polypropylene-Liquid crystalline polymer (Vectra-A950) blends, J. Polym. Mater. Vol. 27. No. 1, 57-67 (2010).
- S K Siddhanta and Rupali Gangopadhyay, Conducting polymer gel: formation of a novel semi-IPN from polyaniline and crosslinked poly(2-acrylamido-2-methylpropanesulphonic acid), Polymer, Vol.46(9), 2993-3000 (2005).
- P. Ghosh, S K Siddhanta, R Haque and A Chakrabarti, Stable polyaniline dispersion prepared in non aqueous medium: synthesis and characterizations, Synth. Met. Vol.123, 83-89 (2001).
- S Saha, B Roy, S K Siddhanta and T P Sinha, Hydrogen bonding in conducting polymer: an ultrasonic study, Ind J Phys, Vol.74A(4), 379-381 (2000).
- P Ghosh and S K Siddhanta, Synthesis and characterization of copolymers of aniline and o-toluidine prepared with the use of polyacrylamide as the water soluble support polymer, J Polym Materials, Vol.16, 329-339 (1999).
- P Ghosh and S K Siddhanta, Studies on stable aqueous poly(o-toluidine) prepared with the use of a water soluble support polymer, polyacrylamide, J Polym Sci, A: Polym Chem, Vol.37, 3243-3256 (1999).
- P Ghosh, A Chakrabarti and S K Siddhanta, Studies on stable aqueous polyaniline prepared with the use of polyacrylamide as the water soluble support polymer, EurPolym J, Vol.35, 803-813 (1999).
- P Ghosh, S K Siddhanta and A Chakrabarti, Characterization of poly (vinyl pyrrolidone) modified polyaniline prepared in stable aqueous medium, EurPolym J, Vol. 35, 699-710 (1999).
- S Saha, S K Siddhanta, B Roy and T P Sinh, Ultrasonic studies on stable aqueous polyaniline prepared using water soluble support polymer, J Acoust. Soc. Ind. Vol.XXVI (3&4), 97-100, (1998).





Dr. Samir K Siddhanta

Associate Professor
Department Of Chemistry

Paper Presented In Seminars/conferences And Seminars/webinars/ Conferences/workshops/symposia Attended

Name	Sponsoring Agency	Place and Date
Four-Day National Webinar on Discipline Specific Elective (DSE) Topics of UG Chemistry (Hons.), CBCS Syllabus, University of Calcutta.	Dept. of Chemistry & IQAC, Maulana Azad College, Kolkata & Dept. of Chemistry & IQAC, Asutosh College, Kolkata in collaboration with UG Board of Studies, University of Calcutta	August-4-7,2020 Through Google meet
Webinar on "Scientists under scanner....ethics of science"	Department of Chemistry & IQAC, The BES College	August-1, 2020, Through Google meet
National Webinar presentation (of one hour) on 'Hydrogen Bonding – A Simple Solution to Challenging Problems'	Department of Chemistry and the IQAC, Narasinha Dutt College,	July-22, 2020 Through Google meet
Webinar on ' Exploring New facets of Organic Synthesis from Metal to Metal-free Catalysis'	Department of Chemistry & IQAC, The BES College	July 18, 2020 Through Google meet
Webinar on 'The Enigma of Gravity: From The Apple to The Black Hole'	Department of Physics & IQAC, The BES College	July 17,2020 Through Google meet
International Webinar on 'An Insight into the Recent Global Pandemic :Chemical and Biological Approach'	Department of Chemistry, Zoology & IQAC, S.A.Jaipuria College	July-11 & 12, 2020, Through Google meet





Dr. Samir K Siddhanta

Associate Professor

Department Of Chemistry

International Webinar on 'An Insight into the Recent Global Pandemic :Chemical and Biological Approach'	Department of Chemistry, Zoology & IQAC, S.A.Jaipuria College	July-11 & 12, 2020, Through Google meet
Webinar on 'Scope of virtual labs in UG physics and chemistry teaching'	Departments of physics, chemistry and IQAC, Sarojini Naidu college for women	June 30, 2020 Through youtube
Webinar on 'Writing in the time of calamities'	Department of English, The Bhawanipur Education Society college and Loreto college	June 27, 2020 Through Google Meet
Two day webinar on 'Pedagogical and psycho- social challenges to the students amidst covid-19 catastrophe'	Department of chemistry, The Bhawanipur Education Society college	June 25 and 26, 2020 Through Google Meet
Webinar on' The sky &Beyond'	Department of mathematics, The Bhawanipur Education Society college	June 23, 2020 Through Google Meet
Webinar on 'Application of number theory in cyber security: Few illustrations through sagemath'	Department of mathematics, The Bhawanipur Education Society college	June 20,2020 Through Google Meet
Webinar on 'Environment and climate concerns: rethinking education strategies'	Environmental development committee, Department of chemistry, The Bhawanipur Education Society college	June 5,2020 Through Google Meet





Dr. Samir K Siddhanta

Associate Professor

Department Of Chemistry

A seminar to commemorate The Bicentenary of Pandit Iswarchandra Vidyasagar	The Bhawanipur Education Society College	The Bhawanipur Education Society College 26 th September, 2019
Workshop on Mentoring techniques for Teachers	The Bhawanipur Education Society College	The Bhawanipur Education Society College 9 th September, 2019
One day workshop on 'Hands on Physical Chemistry Laboratory Experiments & Instrumentation: Maintenance and Use'	The Bhawanipur Education Society College & Equiptronics, Mumbai	The Bhawanipur Education Society College 20 th July, 2019
Panel Discussion on 'Experiments in the New Syllabus of Chemistry under CBCS'	Basanti Devi College	Department of Chemistry, Basanti Devi College 10 th October, 2018
National seminar on 'Higher Education In India: Contemporary Issues-Tasks Ahead'	Murshidabad District committee, WBCUTA	Rabindra Sadan, Berhampur, Murshidabad 6 th October, 2018
Symposium on 'Life & works of Professor Asima Chatterjee: A Centenary Tribute'	The Royal Society of Chemistry, Eastern India Section & Scottish Church College	Scottish Church College 29 th August, 2018
Seminar on 'Financial Globalization in India: Theory and Empirics'	The Bhawanipur Education Society College	The Bhawanipur Education Society College, Kolkata April 1, 2017
National Seminar on 'Higher Education in India: Road Ahead'	Department of Adult, Continuing Education & Extension and West Bengal College & University Teachers' Association	Vivekananda Hall, Ramkrishna Mission Institute of Culture, Golpark, Kolkata November 19, 2016





Dr. Samir K Siddhanta

Associate Professor

Department Of Chemistry

National Seminar on 'Environmental Awareness: Demand of the Day' (Paper presented)	UGC	The Bhawanipur Education Society College, Kolkata September 9 & 10, 2016
National Conference on 'Recent Trends in Functional Materials in Relation to Nanomaterials and Nanotechnology' (Paper presented)	UGC	St Pauls's Cathedral Mission College, Kolkata February 4 & 5, 2016
State Level Seminar on 'Environmental Pollution: Causes, Impacts & Control'	UGC	The Bhawanipur Education Society College, Kolkata April 25, 2015
National Seminar on 'Recent Trends in Applicable Mathematics' (MEMBER OF THE ORGANIZING COMMITTEE)	UGC	The Bhawanipur Education Society College, Kolkata April 24, 2015
International Conference on 'Emerging Issues in Global Economy, Commerce and Management'	The Bhawanipur Education Society College	The Bhawanipur Education Society College January 5, 2015
National Seminar on 'Trends In Contemporary Indian Historical Studies: Crises and Transition'	West Bengal College & University Teachers' Association and West Bengal State University Teachers' Association	MahadevanandaMahavidyalaya, North 24 Parganas, West Bengal December 20, 2014





Dr. Samir K Siddhanta

Associate Professor

Department Of Chemistry

Three day Orientation Program	The Bhawanipur Education Society College	The Bhawanipur Education Society College, Kolkata November 14-16, 2014
One Day Program on 'Faculty Development Program'	The Bhawanipur Education Society College and IBS Business School, Kolkata	IBS Business School, Kolkata July 19, 2014
State level seminar on 'Marginalizing Identity In Indian Context: Counter/ Discourse'	UGC	The Bhawanipur Education Society College, Kolkata March 6, 2013
National conference on 'Modern Trends of Chemistry in the 21 st Century'	UGC	St Paul's Cathedral Mission College, Kolkata, February 6-7, 2012
Symposium-IX on 'Chemical Research in the first Decade of 21 st Century' (Paper Presented)	Visva-Bharati University Shantiniketan	Visva-Bharati University, Shantiniketan, August 6, 2011
55 th DAE-Solid State Physics Symposium (Paper Presented)	D A E, Gov of India	Manipal University, Manipal, December 26-30, 2010
International conference on 'Polymer Science & Engineering : Emerging Dimensions' (Paper Presented)	Punjab University & Asian Polymer Association	Punjab University, Chandigarh, November 26-27, 2010
Workshop on 'UG Chemistry Curriculum: Hons & Gen'	University of Calcutta	Univ of Calcutta, Rajabazar Campus, March 18, 2010





Dr. Samir K Siddhanta

Associate Professor

Department Of Chemistry

National seminar on 'Emerging Concerns and Advances in Chemistry'	UGC	Lady Brabourne College, Kolkata, February 4-5, 2010
Seminar on ' Study of Chemistry & Biochemistry: Impact on Society'	UGC	Asutosh College, Kolkata, January 30, 2010
International Conference on 'Polymer Processing & Characterization' (Paper Presented)	IMSE, Kottayam, Kerala	IMSE, Kottayam, Kerala, January 15-17, 2010
National Seminar on 'Application of Spectroscopy in Understanding Molecular Structure: Its Relevance to the Undergraduate Curriculum in Chemistry'	UGC	Charuchandra College, Kolkata, February 23-24, 2009
Seminar on 'Green Chemistry'	UGC	New Alipur College, Kolkata, March 27-28, 2008
Workshop on 'E-Learning'	UGC	Academic staff College, Jadavpur University, November 16-17, 2007
Seminar on 'Teaching Chemistry at the Undergraduate Level'	UGC	New Alipur College, Kolkata, June 2, 2007
Workshop on 'Retraining of College Teachers'	UGC	Academic staff College, Jadavpur University, March 23, 2007
Seminar on 'Chemistry Hons(1+1+1) Curriculum'	University of Calcutta	University of Calcutta, Rajabazar Campus, March 20, 2006
National seminar on 'Green Chemistry and Environment'	UGC	Asutosh College, Kolkata, December 19-20, 2005
Seminar on 'Undergraduate Chemistry Experiments'	University of Calcutta	University of Calcutta, September 24, 2003





Dr. Samir K Siddhanta

Associate Professor

Department Of Chemistry

National seminar on 'Teaching Chemistry'	Presidency College, Kolkata	Presidency College, Kolkata, December 14, 2002
State level seminar on 'Interdisciplinary Studies in the Contemporary Context'	UGC	The Bhawanipur E S College, Kolkata, September 1, 2001
88 th Convocation of Indian Science Congress Association (Paper Presented)	Indian Science Congress Association	ICAR, New Delhi, January 3-7, 2001
Macro-2000, A National Symposium on 'Polymers & Composites' (Paper Presented)	D M S R D E , Kanpur	D M S R D E , Kanpur, December 1-2, 2000
Polymers'99:An International Symposium on Polymers Beyond AD 2000 (Paper Presented)	IIT-Delhi	IIT-Delhi, January 12-17, 1999
Workshop on NMR	USIC. Univ of Calcutta	Univ of Calcutta March 4-6, 1997
Workshop on Chromatography Techniques and Their Applications	USIC. Univ of Calcutta	Univ of Calcutta December 22-24, 1997
National Conference on Hundred Years of Electron Discovery	Univ of Calcutta	Univ of Calcutta November 12-13, 1997

Orientation Programme Attended

- UGC sponsored orientation programme organized by Academic staff college, Jadavpur University from 6 Feb – 6 March, 2006

Refresher Course Attended

- UGC sponsored refresher Course on 'Chemistry: Trends & Perspective' organized by Dept of Chemistry, Jadavpur University from 2-22 January, 2008
- UGC sponsored refresher course on 'Journey to the New Millenium' organized by Dept of Chemistry, University of Calcutta from 4-23 July, 2011





Dr. Samir K Siddhanta

Associate Professor
Department Of Chemistry

Awards

- UGC Post Doctoral Research Award-2009, Sanctioned No.: F.30-1/2009(SA-II)

Membership Of Academic/ Professional Bodies

- Life member of Indian Science Congress Association
- Life member of Indian Association for the Cultivation of Science, Kolkata, India
- Member of Indian Polymer Society

Other Notable Activities

- Organized an UGC sponsored State Level Seminar on 'Environmental Pollution: Causes, Impacts and Control' in collaboration with Indian Association for Productivity, Quality & Reliability (IAPQR), Kolkata, at The Bhawanipur Education Society College, on 25th April, 2015.
- Organized a National Level Seminar on 'Nurturing Chemistry: Bonding and Beyond' at The Bhawanipur Education Society College, on 5th December, 2017.
- Always mentoring the students to enhance their self-confidence, creativity and social justice in all their endeavors.

Engagement In Social Service

- Actively engaged in different social works like providing financial help to poor students, blanket distribution, organizing eye check up camp etc.

Samir Siddhanta

Signature of the
Faculty Member

Date: 01st September, 2022



THE BHAWANIPUR
EDUCATION SOCIETY COLLEGE