



KAZI NAZRUL UNIVERSITY ASANSOL

Faculty Profile

1. Name (Block Letter): DR. SWADHIN KUMAR SAHA
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3. Current Designation: Assistant Professor
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8. Research Degree: Ph.D.

Degree	Name of the University	Year of Award
Ph.D	Visva-Bharati	2016
M.Sc	Visva-Bharati	2010
B.Sc	Visva-Bharati	2008
Pre-Degree (12 th Standard)	Visva-Bharati	2004

9. Published Papers in Journals:

Sl. No	Name of Article	Journal with page no	ISSN/IS BN No	Referred/N on-Referred	No of Co-auth or	Wheth er you are the main author	Year of Publicati on
1.	Development of chitosan based gold	Carbohydrate Polymers, 157 (2017)	ISSN: 0144-8617	Referred	6	Yes	2017

	nanomaterial as an efficient antifilarial agent: A mechanistic approach	1666-1676					
2.	Carbohydrate polymer inspired silver nanoparticles for filaricidal and mosquitocidal activities: A comprehensive view	Carbohydrate Polymers, 137 (2016) 390–401	ISSN: 0144-8617	Referred	5	Yes	2016
3.	Biocompatibility of sonochemically synthesized poly(N-isopropyl acrylamide)/silica nanocomposite	RSC Advances, 4 (2014) 14457–14467	ISSN: 2046-2069	Referred	3	Yes	2014
4.	Ultrasound assisted green synthesis of poly(vinyl alcohol) capped silver nanoparticles for the study of its antifilarial efficacy	Applied Surface Science, 288 (2014) 625–632	ISSN: 0169-4332	Referred	3	Yes	2014
5.	A New Lysosome Targetable Turn-On Fluorogenic Probe for Carbon Monoxide Imaging in Living Cells	Analytical Chemistry, 90 (4) (2018) 2933–2938	ISSN: 0003-2700	Referred	6	No	2018
6.	Exploration of antifilarial activity of gold nanoparticle against human	Colloids and Surfaces B: Biointerfaces, 161 (2018) 236–243	ISSN: 0927-7765	Referred	4	No	2018

	parasite: A nanomedicinal mechanistic approach						
7.	Chemical and biochemical activities of sonochemically synthesized poly(N-isopropyl acrylamide)/silica nanocomposite	Applied Surface Science, 261 (2012) 598–604	ISSN: 0169-4332	Referred	3	No	2012
8.	Selective reduction technique (SRT): A robust method to synthesize bioactive Ag/Au doped Graphene Oxide	Materials and Design, 102 (2016) 186–195	ISSN: 0264-1275	Referred	7	No	2016
9.	Design and synthesis of reduced graphene oxide based supramolecular scaffold: A benign microbial resistant network for enzyme immobilization and cell growth	Materials Science and Engineering C, 75 (2017) 1168–1177	ISSN: 0928-4931	Referred	4	No	2017
10.	Evidence of reactive oxygen species (ROS) mediated apoptosis in Setaria cervi induced by green silver nanoparticles from Acacia auriculiformis at a very low	Experimental Parasitology, 160 (2016) 39-48	ISSN: 0014-4894	Referred	4	No	2016

	dose						
11.	Simultaneous Polymerization and Quaternization of 4-Vinyl Pyridine	Journal of Applied Polymer Science, (2013) 5045-5050	ISSN: 1097-4628 (online)	Referred	2	No	2013
12.	Synthesis of Quaternized poly(4-Vinyl Pyridine) and the Study of its Ion Exchange Property	Journal of Macromolecular Science, Part A: Pure and Applied Chemistry, 50 (2013) 976-982	ISSN: 1060-1325 (Print), 1520-5738 (Online)	Referred	2	No	2013
13.	Synthesis of Poly[2-(methacryloyloxy)-ethyl trimethyl ammonium chloride]/Silicon dioxide Nanopowder Composite: Study of its Anion Selectivity, Biocompatibility and Antibacterial Activity	Journal of Polymer Materials: An International Journal, 30 (3) (2013) 239-248	ISSN: 0973-8622 (Print), 0976-3449 (Online)	Referred	3	No	2013
14.	Silicon Quantum Dot-Based Fluorescent Probe: Synthesis Characterization and Recognition of Thiocyanate in Human Blood	ACS Omega, 3(2018) 7613–7620	ISSN: 2470-1343	Referred	5	No	2018

10. Articles/Chapters Published in Edited Volume: NA

11. Full Papers in Conference Proceedings: NA

12. Published Books or Edited Volume: NA

13. Papers Presented in Conferences/Seminars/Workshops/ Symposia:

Sl. No	Title of the Paper Presented	Title of the Conference/Seminar/Symposia	Organising Authority	Whether International/National/State/Regional/University/College Level	Year of presenting the Paper
1.	Sonochemical synthesis of biocompatible poly (N-isopropyl acrylamide)/ silica nanocomposite	National seminar on 'Recent advances in polymer science and technology' (POLY-2012)	North Bengal University	National	2012
2.	Sonochemical synthesis of poly(vinyl alcohol) capped silver nanoparticles and evaluation of its anti-filarial activity	5th Indian Youth Science Congress	Visva-Bharati	National	2013
3.	Polymer inspired silver nanoparticles: A potential antifilarial agent	International Conference on Functional Materials (ICFM-2014)	IIT Kharagpur	International	2014
4.	Synthesis of poly(N-isopropylacrylamide)/ mesoporous silica nanocomposite	National seminar on "Recent Advances in Chemistry"	Visva-Bharati	National	2015

14. Organising Seminar/Conference/Symposia: NA

15. Invited Lectures/Chairing the Session or Presentation for Conferences/Seminar/Symposia etc: NA

16. Ongoing Projects/Consultancies: NA

17. Completed Projects/Consultancies: NA

18. Received Research Fellowship/ Awards:

Sl. No	Title	Funding Authority	Period	Grant/Amount Mobilized (Rs.)
1.	Rajiv Gandhi National Fellowship	UGC	2012-2016	-
2.	National Postdoctoral Fellowship	SERB-DST	2017-18	-

19. Academic Staff College Organised Orientation/ Refresher Courses Attended: NA

20. Training Courses, Teaching-Learning-Evaluation Technology Programmes, Faculty Development Programme: NA

21. Research Guidance: NA

22. Any other Information: NA