

Dr. Susanta Roy Karmakar

Designation: Assistant Professor (W.B.E.S.)

Qualifications: M. Sc., Ph. D.

Teaching & Research Interest: Cytogenetics, Molecular Biology & Toxicology

Teaching: 9+ Years; Research: 13+ Years.

Publications

Sl. No.	Title of the Full Paper / Abstract	Authors	Name of the Journal / Symposium	Year of Publication
1.	Can homeopathic arsenic remedy combat arsenic poisoning in human exposed to ground water arsenic contamination: A preliminary report on first human trial.	Khuda-Bukhsh AR, Pathak S, Guha B, Roy Karmakar S , Das JK, Banerjee P, Biswas SJ, Mukharjee P, Bhattacharjee N, ChakiChoudhury S, Banerjee A, Bhadra S, Mallick P, Chakraborti J, Mandal B	<i>eCAM</i>	2005
2.	Can administration of potentized homeopathic remedy, Arsenicum Album, alter anti-nuclear antibody (ANA) titer in people living in high risk arsenic contaminated areas? : I. A correlation with certain hematological parameters.	Belon P, Banerjee P, Chaki Choudhury S, Banerjee A, Biswas SJ, Roy Karmakar S , Pathak S, Guha B, Chatterjee S, Bhattacharjee N, Das JK, Khuda-Bukhsh AR	<i>eCAM</i>	2006
3.	Is an elevated antinuclear antibody titer in subjects living in two groundwater arsenic contaminated villages indicative of a time dependent effect of arsenic exposure.	Belon P, Biswas SJ, Roy Karmakar S , Banerjee P, Banerjee A, Guha B, Das JK, Pathak S, Bhattacharjee N, Choudhury SC, Chatterjee S, Khuda-Bukhsh AR	<i>Environmental Science: An Indian Journal</i>	2007
4.	Supportive evidences for anti-cancerous potential of an alternative medicine in hepatocarcinogenesis of mice.	Pathak S, Bhattacharjee N, Das JK, Choudhury SC, Karmakar SR , Banerjee P, Paul S, Banerjee A, Khuda-Bukhsh AR	<i>Forsch Komplementärmed</i>	2007
5.	Homeopathic remedy for arsenic toxicity?: Evidence-based findings from a randomized placebo-controlled double blind human trial.	Belon P, Banerjee A, Roy Karmakar S , Biswas SJ, Chaki Choudhury S, Banerjee P, Das JK, Pathak S, Guha B, Paul S, Bhattacharjee N, Khuda-	<i>Sci Total Environ</i>	2007

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		Bukhsh AR		
6.	Can Homeopathy Bring Additional Benefits to Thalassemic Patients on Hydroxyurea Therapy? Encouraging Results of a Preliminary Study.	Banerjee A, Basu Chakrabarty S, Roy Karmakar S , Chakrabarty A, Biswas SJ, Haque S, Das D, Paul S, Mandal B, Naoual B, Belon P, Khuda-Bukhsh AR	<i>eCAM</i>	2007
7.	Is l-ascorbic acid supplementation to potentized homeopathic drug Chelidonium majus 200C and Carcinoin 200C helpful in palliating azo-dye induced hepatocarcinogenesis in mice? (Abstract)	Biswas SJ, Roy Karmakar S , Khuda-Bukhsh AR	<i>HomeoNet forum at the IN-CAM Symposium, Toronto</i>	2008
8.	In vivo and in vitro studies indicate anti-carcinogenic potentials of a plant extract (Hydrastis canadensis). (Abstract)	Roy Karmakar S , Mondal SK, Biswas R, Biswas SJ, Naoual B, Khuda-Bukhsh AR	<i>Proceeding-UGC Sponsored National level seminar, organized by Departments of Zoology and Botany, Vidyasagar College, Kolkata</i>	2008
9.	Hepatoprotective effect of Kalmegh (<i>Andrographis paniculata</i>) extract against p-DAB induced oxidative injury – A preliminary study. (Abstract)	Roy Karmakar S , Sadhukhan GC, Biswas SJ.	<i>Proceeding-UGC Sponsored National level seminar, organized by Departments of Zoology and Botany, Vidyasagar College, Kolkata</i>	2008
10.	Combinational homeopathic therapy reduces genotoxicity and cytotoxicity in mice fed carcinogens.	Pathak S, Roy Karmakar S , Banerjee A, Dutta S, Khuda-Bukhsh AR	<i>Clinical and Experimental Homeopathy</i>	2009
11.	A Follow-up Study on the Efficacy of the Homeopathic Remedy Arsenicum Album in Volunteers Living in High Risk Arsenic Contaminated Areas.	Khuda-Bukhsh AR, Roy Karmakar S , Banerjee A, Banerjee P, Pathak S, Biswas SJ, Haque S, Das D, Boujedaini N, Belon P.	<i>eCAM</i>	2009
12.	Efficacy of some homeopathic drugs in modulating different blood parameters in thalassemic patients: A short-term study.	Banerjee A, Roy Karmakar S , Paul S, Haque S, Das D, Khuda-Bukhsh AR	<i>Clinical and Experimental Homeopathy</i>	2010
13.	Chelidonium majus 30C and 200C in induced hepatocarcinogenesis in rats.	Banerjee A, Pathak S, Pathak S, Biswas SJ, Roy Karmakar S , Khuda-Bukhsh AR	<i>Homeopathy</i>	2010
14.	Anticarcinogenic potentials of a plant extract	Roy Karmakar S , Biswas SJ,	<i>Asia Pacific Journal of Cancer</i>	2010

Sl. No.	Title of the Full Paper / Abstract	Authors	Name of the Journal / Symposium	Year of Publication
	(Hydrastis canadensis) : I Evidences from in vivo studies in mice (<i>Mus musculus</i>).	Khuda-Bukhsh AR	<i>Prevention</i>	
15.	An initial report on the efficacy of a millesimal potency Arsenicum Album LM 0/3 in ameliorating arsenic toxicity in humans living in a high-risk arsenic village.	Khuda-Bukhsh AR, Banerjee A, Biswas SJ, Roy Karmakar S , Banerjee P, Pathak S, Guha B, Haque S, Das D, De A, Das D, Boujedaini N	<i>Journal of Chinese Integrative Medicine</i>	2011
16.	Attenuation of p-dimethylaminoazobenzene initiated genotoxicity and cytotoxicity in mice by the combined treatment of a traditional homeopathic remedy Chelidonium majus 200C and Vitamin C.	Biswas SJ, Roy Karmakar S , Khuda-Bukhsh AR	<i>Int J Genuine Traditional Medicine</i>	2012
17.	Comparative efficacy of <i>Buhinia variegata</i> and <i>Emblica officinalis</i> against sodium arsenite induced toxicity in <i>Mus musculus</i> .	Biswas SJ, Ghosh G, Roy Karmakar S , Bandopadhyay TK	<i>Forsch Komplementärmed</i>	2013
18.	A better understanding of pharmacological activities and uses of phytochemicals of <i>Lycopodium clavatum</i> : A review	Banerjee J, Biswas SJ, Madhu NR, Roy Karmakar S , Biswas SJ	<i>Journal of Pharmacognosy and Phytochemistry</i>	2014
19.	Comparative protective potentials of mother tincture, potency-30 and potency-200 of Goldenseal (<i>Hydrastis Canadensis</i>) in p-DAB induced hepatocarcinogenesis in mice: A cytogenetical approach. (Abstract)	Roy Karmakar S , Biswas SJ, Mandal S, Kar PK, Dhara K, Khuda-Bukhsh AR	<i>Proceeding-UGC Sponsored Two Day National Seminar on "Perspectives in Animal Sciences: Research and Application" organized by Departments of Zoology, Midnapore College, Midnapore</i>	2015
20.	Study on the toxicity of neem (<i>Azadirachta indica</i> A. Juss) leaf extracts as phytopiscicide on three life stages of Mozambique tilapia (<i>Oreochromis mossambicus</i> Peters) with special reference to their ethological responses	Dhara K, Biswas SJ, Roy Karmakar S	<i>International Journal of Experimental Research and Review</i>	2016
21	Exotic food fishes in north 24 parganas district, West Bengal and their ecological assessment	Dhara K, Mukherjee S, Madhu NR, Roy Karmakar S	<i>International Journal of Experimental Research and Review</i>	2016

Sl. No.	Title of the Full Paper / Abstract	Authors	Name of the Journal / Symposium	Year of Publication
22	Acute toxicity of neem (<i>Azadirachta indica</i> A. Juss) leaf extracts to snake headed fish, <i>Channa gachua</i> (Ham.) with special reference to their ethological responses and some haematological parameters (In Press)	Dhara K, Roy Karmakar S	<i>Int. J. Life. Sci. Scienti. Res.</i>	2016

Seminar / Workshop Attended

Sl.No.	Title of Seminar/ Workshop	Organized by	Date
1	Workshop on Recombinant DNA Technology	CFBTR, Madurai, Tamil Nadu	23 rd -31 st Dec, 2006
2	Gene Testing – A Great Challenge In Genetic Health Care	Thalassaemia Foundation and Institute of Genetic Engineering, Kolkata	8 th May, 2007
3	Bioinformatics And Its Application	Government College of Engineering and Textile Technology, Serampore	28 th August, 2007
4	Visiting Lecture Programme on “Chemical Sensors”	Department of physiology, University of Kalyani, Kalyani	14 th February, 2008
5	Entrepreneurship Training Programme on Herbs and Herbal Products	Centre for Applied Science and Technology, Kolkata	8 th - 15 th March, 2008
6	Second Five Evening Training Programme on Ergonomics-Occupational Health-Safety and Environment	UGC-Academic Staff College, C.U. and Indian Society of Ergonomics, Calcutta	10 th -14 th March, 2008
7	W. B. Govt. Sponsored National Workshop on Application of The Knowledge of Computers in Chemical and Biological Sciences	Jhargram Raj College, Jhargram	23 rd and 24 th March, 2008
8	UGC Sponsored National Level Seminar on Recent Advances in Genetics and Molecular Biology, Biotechnology and Bioinformatics	Departments of Zoology and Botany, Vidyasagar College, Kolkata	21 st and 22 nd November, 2008
9	UGC Sponsored State Level Seminar on Recent Trends in Sports Physiology	Department of Physiology, Bhairab Ganguly College, Kolkata	10 th December, 2008
10	W. B. Govt. Sponsored Workshop on Basic Techniques in Molecular Biology	Departments of Zoology and Molecular Biology & Genetics, Presidency College, Kolkata	27 th -30 th December, 2008
11	National Workshop on Bioinformatics	DBT-Centre For Bioinformatics,	28 th and 29 th

		Presidency College, Kolkata	March, 2009
12	International Conference on Integrative Physiology: Modern Perspective & Platinum Jubilee Celebration of the Physiological Society of India	Physiological Society of India, Kolkata	12 th -14 th November, 2009
13	Cervical Cancer Control in India	Cancer Foundation of India, Kolkata	4 th December, 2009
14	International Seminar on Recent Trends in Zoology (Acted as Jt. Secretary)	Post Graduate Department of Zoology, Jhargram Raj College, Jhargram	8 th March, 2011
15	UGC Sponsored National Seminar on “Essence of Medicinal Plants, Its Cultivation, Conservation & Sustainable Exploitation”	Vivekananda Mahavidyalaya, Haripal, Hooghly; in association with Raja Rammohun RoyMahavidyalaya, Radhanagar, Nangulpara, Hooghly	9 th December, 2011
16	Satya Sundar Barman Memorial Lecture on “Dao Phire se Aranya O Paribesh”	Maulana Azad College; in association with AB.S.G.C.T.A. (Financed by: Govt. of West Bengal)	6 th October, 2012
17	Satya Sundar Barman Memorial Lecture on “Khudro Byabsay Bideshi Biniyog”	Chandernagore College; in association with AB.S.G.C.T.A. (Financed by: Govt. of West Bengal)	15 th December, 2012
18	100 th Indian Science Congress (Abstract: Beneficial Effects of the Administration of <i>Andrographis paniculata</i> Against Sodium Arsenite Induced Oxidative Stress in Mice)	The Indian Science Congress Association, Kolkata-17	3 rd – 7 th January, 2013
19	One Day Workshop on Optical Condensed Matter Science (Interdisciplinary)	IIT KGP OSA (Optical Society of America) Student Chapter & Department of Physics, Jhargram Raj College, Jhargram	19 th December, 2013
20	National Symposium on “Modern Trends in Biological Sciences”	The Physiological Institute, Presidency University, Kolkata-73	21 st February, 2014
21	One Day UGC Sponsored State Level Seminar on “Swami Vivekananda and His Thoughts on Education”	Department of History, Chandernagore College, Hooghly	30 th July, 2014
22	State Level Seminar on Values of Field Studies in Building Biodiversity Perception : Teaching Beyond Class Room	Department of Zoology, Chandernagore College, Hooghly & Sponsored by : Department of Higher Education, Govt. of West Bengal	13 th September, 2014
23	UGC Sponsored National Seminar on “Frontiers of Microbiology : Prospects and Challenges”	Department of Microbiology, Ramakrishna Mission Vidyamandira; in collaboration with CSIR-IICB, Kolkata	20 th and 21 st November, 2014
24	Satya Sundar Barman Memorial Lecture on “Education and Human Resource	David Hare Training College, Kolkata; in	17 th January,

	Development”	association with A.B.S.G.C.T.A. (Financed by: Govt. of West Bengal)	2015
25	National Level Seminar on Food Habit and Cancer (Presented a paper titled: Effect of Plant Derived Components on a Model Parasitic Flatworm)	Department of Zoology, Egra SSB College and Belda College	7 th and 8 th March, 2015
26	Workshop on Genome Analysis and Molecular Techniques for College and University Teachers	Functional Genomics Group, Interdisciplinary School of Life Sciences, Banaras Hindu University, Varanasi	12 th – 14 th March, 2015
27.	UGC Sponsored Two Day National Seminar on “Perspectives in Animal Sciences: Research and Application” (Presented a Poster : Comparative protective potentials of mother tincture, potency-30 and potency-200 of Goldenseal (Hydrastis Canadensis) in p-DAB induced hepatocarcinogenesis in mice: A cytogenetical approach)	Department of Zoology, Midnapore College, Midnapore	23 rd and 24 th November, 2015
28.	Acted as a member of the organizing committee for the celebration of 30 years of Department of Biotechnology	Maulana Azad College, Kolkata	14 th , 15 th and 17 th December, 2015
29.	Satya Sundar Barman Memorial Lecture on “Policies for Higher Education in Backward Region of West Bengal”	Barasat Govt. College; in association with AB.S.G.C.T.A. (Financed by: Govt. of West Bengal)	25 th February, 2016

Membership of Professional Organization:

Life Member-Indian Science Congress Association

Life Member-Indian Society of Cell Biology

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