Curriculum vita
Dr Smarajit Maiti
Associate Professor, Haldia Institute of Health Sciences, ICARE
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Mahatabpur, PO and PS Midnapore, 721101, Dist West Midnapore.

Post-Doctoral Research Work

Sl. No.	Position Held	Institution	Date		Remarks
			From	To	
1	PDF	**Kansas University Medical Center**, Kansas City, USA	2001	2002	**Neurodegenerative diseases**Biochemistry,Toxicology Molecular enzymology of human Diseases,
2	PDF	Oklahoma State University, Stillwater, OK, USA **College of Veterinary Medicine**	2002	2005	Regulation of drug metabolizing enzymes (CYPs and SULTs), transcriptional factors in important human diseases. Cancers, Diabetes, Humanized animal disease model, Animal surgery,

ResearchDegree/s

Sl. No.	Degree/s	Title	Dateofaward	University
				Dept Physiology
	Ph.D.	Arsenic toxicology…..and its therapeutics	2002	Calcutta University

Enlisted as Ph.D. supervisor in:

1. West Bengal University of Health Sciences (WBUHS), Dept. of Molecular Medicine, DD,36 Salt-lake, Calcutta 700064
2. University of Calcutta, Dept. Physiology, 87/1, College Street, Kolkata-700 073
3. Vidyasagar University, Midnapore, Dist - Paschim Medinipur, West Bengal, India, Midnapore-721102

1. **GENERAL INFORMATION Academic Background**

Sl. No.	Examination	NameofBoard/University	Yearof passing	Subject/staken
	Secondarylevel	West Bengal Board of Secondary Education	1985	Science.
	H.S.level	West Bengal Council of H. S. Education	1987	Sci.(Phy, Chem, Math, Bio.)
	Bachelor level	Vidyasagar University, India	1990	Human Physiology
	Master's level	Vidyasagar University, India	1992	Human Physiology with Community Health with special paper Molecular Biology Immunology and Tissue Culture
	Other Exam/s,ıfany	GATE	1995	science

2.

2 Research Papers in Peer-Reviewed National, International Journals

Sl. No.	Titlewithauthorname(s)inorderaspublished	JournalName,Vol. withpagenumber, Year	Publisher&ISSN, DOI(if any)	Whetherpeer reviewedand/ orUGC listed, Impact Factor(if any), Citation(s) (ifany)
1	Differential response of cellular antioxidant mechanism of liver and kidney to arsenic exposure and its relation to dietary protein deficiency Maiti S and Chatterjee AK (2000)	Environ. Toxicol. Pharmacol. 8,227-235.I Yr 2000	Elsevier	**means peer reviewed with IF and /or UGC listed** Impact F 4.2
2	Glutathione levels and some related antioxidant enzymes in lung and heart of arsenic exposed rats and their relation to dietary protein deficiency. Maiti S and ChatterjeeAK (2000)	Indian J. Phyl. And Allied Sciences.54(2),82-93. N Yr 2000	The Physiological Society of India	
3	Effects of levels of glutathione and some related enzymes in tissues after an acute arsenic exposure in rats and their relation to dietary protein deficiency. Maiti Sand Chatterjee AK (2001)	Arch Toxicol. 75(9),531-537. I Yr 2001	Springer	Impact F 4.8
4	Apoferritin attenuates experimental allergic encephalomyelitis in SJL mice. LeVine SM, Maiti S, Emerson MR, Pedchenko TV (2002)	Dev Neurosci. 24(2-3),177-183. I Yr 2002	Karger	Impact F 2.3
5	Hydroxytamoxifensulfation metabolism Chen G, Yin S, Maiti S, Shao X (2002) 4-	J BiochemMolToxicol. 16(6),279-285. I. Yr 2002	Wiley	Impact F 3.2
6	Tamoxifen induction of aryl sulfotransferase and Hydroxysteroid sulfotransferase in male	Drug MetabDispos. 31(5):637-644.(3.733) I. yr 2003	American Society for Pharmacology	Impact F 4.4

	and female rat liver and intestine Maiti S, Chen G (2003)		and Experimental Therapeutics	
7	Methotrexate (MTX) is a novel inducers of rat liver and intestinal Sulfotransferases (STs) Maiti S, Chen G (2003)	Arch Biochem Biophys.418(2):161-168 I	ELSEVIER	Impact F 3.8
8	Stress regulation of Sulfotran Sferases in Male rat liver Maiti S, Grant S, Baker SM, Karanth S, Pope CN and Chen G (2004)	BiochemBiophys Res Commun, 323(1)235-241.(2.48) I	ELSEVIER	Impact F 2.5
9	All trans retinoic acid induction of sulfotransferases Maiti S, Chen X, Chen G (2005).	Basic & Clinical Pharmacology&Toxicolog y, 96 (1): 44-53 I	Wiley	Impact F 2.7
10	In Vivo and in vitro oxidative regulation of rat aryl sulfotransferase IV(AST-IV).Maiti S, Maiti Dutta S, Baker SM, Zhang J, Narasaraju T, Liu L and Chen G (2005)	J of BiochemMolToxicol. 19(2) 109-118 I	Wiley	Impact F 3.2
11	Nuclear receptor interactions in methotrexate induction of human dehydro epi androsterone sulfotransferase (hSULT2A1).Chen X, Maiti S, Zhang J, Chen G. (2006)	J BiochemMolToxicol. 20(6):309-17. I	Wiley	Impact F 3.2
12	Redox regulation of human estrogen sulfotransferase (hSULT1E1).Maiti S, Zhang J, Chen G.	Biochemical Pharmacology,73(9):1474-81.(4.705) I	ELSEVIER	Impact F 5.3
13	Role folic acid receptors on methotre Xate (MTX) induction of sulfotransferases. Maiti Dutta S Maiti S, and Chen G (2008)	Drug Metab Lett. 2(2):115-119 I	Bentham Science	Impact F 5.3
14	TUBERCULOSIS: STUDIES ON ROLE OF GENDER, AGE AND DRUG ADDICTION IN EASTERN PART OF INDIA. SmarajitMaiti, SomnathPatra, Dilip Nandi, BidyutBandyopadhyay, Keshab Chandra Mondal, BikasRanjanPati.	SAARC Journal of Tuberculosis,Lung Diseases and HIV/AIDS 2010, Vol.VII,No.2,ISSN1818-9741. N	SAARC Tuberculosis and HIV/AIDS Centre (STAC).	==
15	Emblicaofficinalis ameliorates arsenic-induced liver damage via DNA protection	2011, Molecular and Cellular Toxicology	Springer	Impact factor

	by antioxidant systems. SmarajitMaiti, Bimal Deb, Nirmallya Acharya SandipChattopadhyay, Amiya Kumar Hati.	(2014)10:75-82,DOI10.1007/s13273-014-0009-8 I		1.1
16	Antioxidant and metabolic impairment result in DNA damage in arsenic-exposed individuals with severe dermatological manifestations in Eastern India, SmarajitMaiti, SandipChattopadhyay, Bimal Deb, TanmoySamanta, Gurupada Maji, Bappaditya Pan, Amar Ghosh and Debidas Ghosh.	Environ Toxicol. 201227(6):342-50 [Epub ahead of print] PubMedPMID:20925122 (2.407) I	Wiley	Impact F4.4
17	PROTECTIVE ROLE OF Moringaoleifera (SAJINA) SEED ON ARSENIC INDUCEDHEPATOCELLULARDEGENERATIONINFEMALEALBINO RATS. SandipChattopadhyay, SmarajitMaitiGurupadaMaji, Bimal Deb, Bappaditya Pan and Debidas Ghosh,	Biological Trace Element Research142(2):200-12PMID: 20661662 [PubMed - as supplied by publisher]DOI10.1007/s12011-010-8761-7 I	Springer	Impact F3.4
18	HEPATOPROTECTIVE ROLE OF VITAMIN B12 AND FOLIC ACID IN ARSENIC INTOXICATED RATS SandipChattopadhyay, Bimal Deb, SmarajitMaiti.	Drug Chem Toxicol. 2012 Jan; 35(1):81-8.doi:10.3109/01480545.2011.589439. I	Taylor and Francis	Impact F3.4
19	PREVALENCE OF UNDERNUTRITION AMONG UNDERPRIVILEGED PRESCHOOL CHILDREN (2-6 YRS) OFMIDNAPORE TOWN, INDIA2012. SmarajitMaiti, Nirmalya Kumar Sinha.	Malaysian Journal of PaediatricsandChildHealth,MJPCH-06-18-1-2012N	Malaysian Paediatrics Association (MPA).	===
20	COTARD'S SYNDROME: A REPORT FROM INDIA. Prasanta Kumar Das, SmarajitMaiti, KantiBhusanChowdhury, Jadab Chandra Chattopadhyay, Nirmalya Kumar Sinha.	J Pakistan Psy Soc.Vol9(2), 2012, 103-104 N	Institute of Clinical Psychology, University of Karachi	==
21	Isolation and molecular characterization of extreme halophilic multidrug resistant	2013. Journal of Pure And Applied	International journal of	Impact F 0.7

	bacteria, Halomonassp (sm-sr10) from estuary of Sundarban, West Bengal, India. Sudipta Roy, SmarajitMaiti	Microbiology.Vol.7(3), p. N	microbiology strives	
22	Reciprocitybetweenpartialimmunizationandmalnutritionsignificantly impairs health of preschool children. 2013, Ankita Ray, Nirmalya Kumar Sinha, SmarajitMaiti, Samir KumarRoy,KartikMaiti,	INDIAN JOURNAL OF MATERNALAND CHILD HEALTH, Vol15(1),1-10. N	Indian Maternal and Child Health Association	==
23	Commonbutunexploredpsychiatricmorbiditymongreferredindoorpatients:aLiaisonstudyinIndia,2012, Prasanta Kumar Das, SmarajitMaiti, SarmilaMallik, PijushKanti Biswas, Jadav ChandraChattopadhyay,NirmalyaKumarSinha.	Neurology, Psychiatry and Brain Research 19(3)(2013)126–132. I	ELSEVIER	==
24	Prevalence of anemia among the psychologically healthy women of reproductive ages in and arroundMidnapore town (Jangalmahal area), India. 2012, NK Sinha, JC Chattopadhyay, PK Das, S Maiti and K Maiti	Indian J of Community Health, 2013, Vol25(3),226-232. N	Indian Association of Preventive and Social Medicine	==
25	Estriol, a stimulator of nitric oxide synthesis in platelets, and its role as the powerful inhibitor of plateletaggregation. Pradipta Jana, SmarajitMaiti, Rajeshwary Ghosh, Tamal K. Ghosh, Asru K. Sinha	Cardiovascular endocrinology And Metabololism 04/2013;2013(2):50-54.DOI:10.1097/XCE.0b013e328362e40e. I	Wolters Kluwer	Impact F 1.3
26	The activation by glucose Of liver membrane nitric oxide synthase in the synthesis andtranslocation of glucose transporter-4 in the production of insulin in the micehepatocytes. BhattacharyaS, Ghosh R, Maiti S, Khan GA, Sinha AK.	PLoSOne.2013Dec3;8(12):e81935.doi:10.1371/journal.pone.0081935 .eCollection2013. I	PLOS	Impact F 2.9
27	Estriol-induced fibrinolysis due to The activation of plasminogen to plasmin by nitricoxide synthesis inplatelets. Jana P, Maiti S, Kahn NN, Sinha AK.	Blood Coagul Fibrinolysis. 2014 Apr 2. [Epub ahead of print]	Lippincott	Impact F 1.2

		PMID:24695088[Pub Med- assupplied by publisher] I		
28	The Control of Hyperglycemia by Estriol and Progesterone in Alloxan induced Type I Diabetes MellitusMice Model through Hepatic Insulin Synthesis. Suman Bhattacharya, Sarbashri Bank, SmarajitMaiti, AsruK.Sinha.	Int J Biomed Sci March15,2014Volume 10 Issue1:8-15 I	International Association for Biomedical Science	=
29	Green tea (Camellia sinensis) alleviates arsenic-induced damages to DNA and intestinal tissues in rat and in situ intestinal loop by reinforcing antioxidant system. Acharyya N, Ali S, Deb B, Chattopadhyay S, Maiti S.	Environ Toxicol. 2015 Sep;30(9):1033-44. doi: 10.1002/tox.21977. Epub 2014 Mar 11. PMID: 24615952.	Wiley	Impact F 4.4
30	Apoptosis inducing anthraquinonerhein and emodin differentially suppress humandehydroepiandrosterone sulfotransferase and phenol sulfotransferases in Hep-G2 and Caco-2 cells. authored by SangitaMaiti Dutta, Guangping Chen and SmarajitMaiti.	Mediterr J NutrMetab. 1 Jan. 2014 : 145 – 153.	IOS press	Impact F 0.7
31	Dermcidin isoform-2 induced nullification of the effect of acetyl salicylic acid in platelet aggregation in acute myocardial infarction. BankS,JanaP,MaitiS,GuhaS,SinhaAK.	Sci Rep.2014Jul24;4:5804. doi:10.1038/srep05804 . I	Nature	Impact F 3.8
32	Ethanol up-regulates phenol Sulfotransferase (SULT1A1)and Hydroxysteroid Sulfotransferase (SULT2A1) in rat liver and intestine. SmarajitMaiti and Guangping Chen (2014) .	Archives of Physiology and Biochemistry.2015May;121(2):68-74.doi:10.3109/13813455.2014.992440.Epub2015Feb27. I	Taylor and Francis	Impact F 3.0
33	IN-SILICO STUDY OF ANTAGONISTIC EFFECT OF ITURIN BACULOMYCINE OF BACILLUS SUBTILIS AGAINST FUSARIUM SOLANI INFECTION IN TEA PLANT. AnindyaSundarPanja,Sk. Md. Nasim, Dr. BidyutBandopadhyay, Dr. Smarajit	INTERNATIONAL JOURNAL OF PHARMACEUTICAL AND BIOLOGICAL SCIENCES RESEARCH AND DEVELOPMENT IJPBSRD2(08):	Science J Society	=

	Maiti.	August2014,(ISSN):2347-4785 I		
34	IN SILICO PREDICTION OF THREE DIMENTIONAL STRUCTURE OF Q699Z2,B5TGP9,D3 JXJ8ANDF6K704 CARBOXYPEPTIDASES FROM SOME LEPIDOPTERIAN PESTS AND ANALYSIS OF BIOPESTICIDAL ACTIVITY OF KUNITZTYPE CHYMOTRYPSIN INHIBITOR PROTEIN WCI5 BY MOLECULAR DOCKING APPROACH. AnindyaSundarPanja, BidyutBandopadhyay and SmarajitMaiti	International Journal of Advanced Biotechnology and Research(IJBR)Vol5,Issue4,2014,pp755-761,ISSN0976-2612,OnlineISSN2278–599X. I	National Academy of Agricultural Sciences	=
35	Diabetes in rural individuals of different nutritional status and the alarming situation demands focus more on its under-nutrition association Maiti S, Sinha NK, Khan MM, Das PK, Chattopadhyay JC..	Arch PhysiolBiochem. 2015 Feb;121(1):26-31. doi: 10.3109/13813455.2014.959973. Epub 2014 Sep 22. PMID: 25244251.	Taylor and Francis	Impact F 3
36	Maternal Body-Mass-Index and Socioeconomic Factors Predict Gestational Duration and Birth Weight: A Cross Sectional Study from India Roy SK, Maiti S, Sinha NK, Mandal K (2015)	Cell Biol:Res Ther4:1. I	SciTechnol	=
37	Arsenic-Induced Antioxidant Depletion, Oxidative DNA Breakage, and Tissue Damages are Prevented by the Combined Action of Folate and Vitamin B12 Acharyya N, Deb B, Chattopadhyay S, Maiti S..	Biol Trace Elem Res. 2015 Nov;168(1):122-32. doi: 10.1007/s12011-015-0324-5. Epub 2015 Apr 9. PMID: 25850544.	Springer	Impact F 3.4
38	The impaired synthesis of insulin and its inability to inhibit 5 platelet aggregation in Cerebro vascular accident. Sarbashri Bank &Suman Bhattacharya &SmarajitMaiti& Raja Bhattacharya &DebajyotiChakraborty&AsruKSinha	Metab Brain Dis, DOI10.1007/s11011-015-9694-9 I	Springer	Impact F 3.2
39	Protein Thermostability Is Owing to Their Preferences to Non-Polar Smaller Volume	PLOS One 2015 Jul		=

	Amino Acids,Variations in Residual Physico-Chemical Properties and More SaltBridges. AnindyaSundarPanja, BidyutBandopadhyay and SmarajitMaiti	15;10(7):e0131495. doi:10.1371/journal.pone.0131495.eCollection2015. +1		
40	Neutralization by Acetyl Salicylic Acid of the Testosterone induced Impaired Maspin SynthesisStimulatedbtriolinNeutrophilsthroughNitric Oxide Synthesis. MannaE, BankS, MaitiS, JanaP, SinhaAK	Int. J. Biomed Sci. 2015Dec;11(4):176-84. I	International Association for Biomedical Science	=
41	Cardio-Protecting Effect of Natural Bioactive Compound (Polyphenol) by Inhibiting LDL Oxidation with the Scavenging of Reactive Oxygen Species (ROS). Emili Manna and SmarajitMaiti	J ClinExpCardiolog 2016, 7:6 DOI: 10.4172/2155-9880.1000453	Longdom Publishing SL	=
42	Abundance of psychiatric morbidity in perinatally HIV infected children and adolescents with comparison to their HIV negative sibling. PrasantaKumarDas, SmarajitMaiti, NirmalyaKumarSinha,	Neurology, Psychiatry and Brain Research Volume 22, Issues 3–4, December 2016, Pages 167-172	ELSEVIER	=
43	The control of hyperglycemia by a novel trypsin resistant oral insulin preparation in alloxan induced type I diabetic mice. Bank S, Ghosh A, Bhattacharya S, Maiti S, Khan GA, Sinha AK.	Sci Rep, 2016 May 26;6:26789. doi:10.1038/srep26789. I	Nature	Impact F 3.8
44	TRIAD system catalase, insulin, and lowdose aspirin neutralize the effect of dermcidin isoform-2 and prevent cell death in acute myocardial infarction and recurrence of the disease . Bank S, Maiti S, Guha S, Sinha AK.	Cardiol J. 2016;23(6):623-625.doi:10.5603/CJ.2016.0104.PubMedPMID:27976793. I	Via Medica	Impact F 2.5
45	Detection of Breast Cancer: Management with Radiotherapy associatedwithCardiovascularDisease (CVD), HeartFailure amongtheBreastCancerSurvivorsWoman EmiliManna, SmarajitMaiti , GhoshSk,	J Women's Health Care 2016, 5:4 DOI: 10.4172/2167-0420.1000323	LongdomPublishibgSL	=
46	LBPS 01-10 THE IMPACT OF A STRESS INDUCED PROTEIN DERMCIDIN ISOFORM-2 ON THE GENESIS OF DIABETES AND	Journal of Hypertension 34():p e176-e177, September 2016. | DOI:	Wolters Kluwer	Impact F 2.5

	HYPERTENSION Bank, Sarbashri1; Maiti, Smarajit2; Sinha, Asru3..	10.1097/01.hjh.0000500380.33656.a8		
47	Cardio-Protecting Effect of Natural Bioactive Compound (Polyphenol) by Inhibiting LDL Oxidation with the Scavenging of Reactive Oxygen Specie s(ROS). Emili Manna, SmarajitMaiti.	July 2016 Journal of Clinical & Experimental Cardiology 7(6) DOI: 10.4172/2155-9880.1000453	Longdom Publishers	Impact F 1.01
48	The architectural network for protein secondary structure prediction. Panja, AnindyaSundar, Bandyopadhyay, Bidyut, Maiti, Smarajit, Mandal, Shiboprosad	MPRA Paper 72466, University Library of Munich, Germany. May 2016 3(5):69-73 DOI:10.4444/ijrr.1002/208	University Library of Munich	=
49	Expression of a Nitric Oxide Synthesizing Protein in ArterialEndothelial Cells in Response to Different Anti-Anginal Agents Used in Acute Coronary Syndromes Bank S, Jana P, Girish GV, Sinha AK, Maiti S.	Protein Pept Lett. 2017;24(11):1066-1072.doi:10.2174/0929866524666170911164801.PubMedPMID: I	Bentham Science	Impact F 1
50	The role of Dermcidin isoform-2 in the occurrence and severity of Diabetes. Bhattacharya S, Khan MM, Ghosh C, Bank S, Maiti S.	Sci Rep. 2017 Aug 15;7(1):8252. doi: 10.1038/s41598-017-07958-3.PubMedPMID:28811499;PubMed CentralPMCID:PMC5557962. I	Nature	Impact F 3.8
51	Green Tea (Camellia sinensis)Protects AgainstArsenic Neurotoxicity via Antioxidative Mechanism and Activation of Superoxide Dismutase Activity. Maiti S, Acharyya N, Ghosh TK, Ali SS, Manna E, Nazmeen A, Sinha NK.	Cent NervSyst AgentsMedChem.2017;17(3):187-195.doi:10.2174/1871524917666170201145102.PubMedPMID:28155600. I	Bentham Science	=
52	Studies on serum biochemical parameters of trop T+ or trop T− cardiac patients and evaluation of risk factors for disease outcome with a correlation to dyslipidemic rat experiment. Mobidullah Khan Pradipta Jana	September 2017Comparative Clinical Pathology 26(Suppl 1) 26(Suppl 1) DOI:10.1007/s00580-017-2508-1	Springer	=

	Subrata Kumar De SmarajitMaiti			
53	Better Predictive Value of Cancer Antigen125 (CA125) as Biomarker in Ovary and Breast Tumors and its Correlation with the Histopathological Type/Grade of the Disease. Nazmeen A, Maiti S, Mandal K, Roy SK, Ghosh TK, Sinha NK, Mandal K.	Med Chem. 2017;13(8):796-804. doi: 10.2174/1573406413666170424155452. PMID: 28440189.	Bentham Science	Impact F 1.9
54	Flavonoids green tea against oxidant stress and inflammation with related human diseases SmarajitMaiti a AarifaNazmeen a c, NanditaMedda a 1, RiteshPatra a, TamalKanti Ghosh b	Clinical Nutrition Experimental Volume 24, April 2019, Pages 1-14. DOI:10.1016/j.yclnex.2018.12.004	ELSEVIER	=
55	Higher peptide nonplanarity (ω) close to protein carboxy-terminal and its positive correlation with ψ dihedral-angle is evolved conferring protein thermostability. SmarajitMaiti AnindyaSundarPanja BandyopadhyayBidyut	Progress in Biophysics and Molecular Biology. 2019 Aug;145:1-9. doi: 10.1016/j.pbiomolbio.2018.10.004. Epub 2018 Oct 23. PMID: 30359669.	ELSEVIER	Impact F 3.2
56	Oxidant stress induction and signalling in xenografted (human breast cancer-tissues) plus estradiol treated or N-ethyl-N-nitrosourea treated female rats via altered estrogen sulfotransferase (rSULT1E1) expressions and SOD1/catalase regulations. Nazmeen A, Maiti S.	MolBiol Rep. 2018 Dec;45(6):2571-2584. doi: 10.1007/s11033-018-4425-z. Epub 2018 Oct 12. PMID: 30315444.	Springer	Impact F 2.6
57	Protein Secondary Structure Determination (PSSD): A New and Simple Approach Panja, Anindya S.; Bandopadhyay, Bidyut; Nag, Akash; Maiti, Smarajit.	Current Proteomics, Volume 16, Number 3, 2019, pp. 246-253(8) Publisher: Bentham Science Publishers DOI: https://doi.org/10.2174/1570164615666180911113251	Bentham Science	Impact F 0.5
58	Antibiotic Sensitivity Pattern in Urinary Tract Infection (UTI) In Midnapore Town, India Maiti S, Nazmeen A (2018) Prevalence, Types and.	Journal of Clinical and molecular Pathology Vol 2:16.	Assoc Molecular Sciences	Impact F 0.13
59	Protein Stability Determination (PSD): A Tool for Proteomics Analysis Author(s): AnindyaSundarPanja, Akash	Current Bioinformatics. Volume 14, Issue 1,	Bentham Science	Impact F 2.4

	Nag, BidyutBandopadhyay and SmarajitMaiti*	2019 Page: [70 - 77] DOI: 10.2174/1574893613666180315121614		
60	Polyphenol Family in Cardiovascular disease (CVD): Versatile Therapeutic Outcome. Emili Manna. SmarajitMaiti	International Journal of Biomedical Science. I. March 2018 DOI:10.13140/RG.2.2.10329.62562	Association of Biomed Science	=
61	Synergism between BRCA1 Mutation and Impaired Estrogen Signaling in Oxidative Stress Modulation Makes Estrogen Responsive Tissues (Breast) More Susceptible to Develop Cancer. AarifaNazmeen SmarajitMaiti.	January 2018 Journal of Cell Science &Therapy 09(04) 09(04) DOI:10.4172/2157-7013.1000286	Longdom Publishers	=
62	Impaired redox regulation of estrogen metabolizing proteins is important determinant of human breast cancers Maiti S, Nazmeen A..	Cancer Cell Int. 2019 May 15;19:111. doi: 10.1186/s12935-019-0826-x. PMID: 31114446; PMCID: PMC6518504.	Biomed Central Part of Springer Nature	Impact F 5.3
63	Insulin resistance in prostate cancer patients and predisposing them to acute ischemic heart disease. Ray U, Bank S, Jayawardana MW, Bhowmik J, Redwig F, Jana P, Bhattacharya S, Manna E, Kumar De S, Maiti S, Roberts-Thomson P, Parameswaran V, Sinha AK.	Biosci Rep. 2019 Jul 29;39(7):BSR20182313. doi: 10.1042/BSR20182313. PMID: 31300527; PMCID: PMC6663988	Portland Press	Impact F 3.8
64	Some Functional Properties of khambir, an Ethnic Fermented Cereal-Based Food of Western Himalayas. Hor PK, Ray M, Pal S, Ghosh K, Soren JP, Maiti S, Bera D, Singh S, Dwivedi S, Takó M, DasMohapatra PK, Mondal KC.	Front Microbiol. 2019 Apr 24;10:730. doi: 10.3389/fmicb.2019.00730. PMID: 31068908; PMCID: PMC6491755	Frontiers	Impact F 4
65	Antidiabetic role of a novel protein from garlic via NO in expression of Glut-4/insulin in liver of alloxan induced diabetic mice. Bhattacharya S, Maji U, Khan GA, Das R, Sinha AK, Ghosh C, Maiti S.	Biomed Pharmacother. 2019 Mar;111:1302-1314. doi: 10.1016/j.biopha.2019.01.036. Epub 2019 Jan 15. PMID: 30841444.	ELSEVIER	Impact F 6.9
66	Estriol Inhibits Dermcidin Isoform-2 Induced Inflammatory Cytokine Expression Via Nitric Oxide Synthesis in Human Neutrophil. Jana P, Khan MM, De SK, Sinha AK, Guha S, Khan GA, Maiti	CurrMol Med. 2018;18(10):672-678. doi: 10.2174/1566524019666190208095754.	Bentham Sciences	Impact F 2.2

	S.	PMID: 30734678.		
67	A Comparative Study of Stigma, Quality of Life and Family Burden in Patients of Schizophrenia and Obsessive-Compulsive Disorder. Das PK, Maiti S, Roy P, Das S (2019)	J NeurolNeurosci Vol.S5:287. DOI: 10.36648/2171-6625.10.S5.287. I	NeurolNeurosci Association	Impact F 1.45
68	Tribal lactating mothers manifest more under nutrition in rural areas of PaschimMedinipur district of India. Nirmalya Kumar Sinha, SmarajitMaiti, Dulal Chandra Das.	Int J PhysiolNutrPhysEduc 2019;4(1):295-297	Bright Sky Publication	=
69	Double burden of malnutrition among female college students of PaschimMedinipur District, India. Nirmalya Kumar Sinha, Monalisha Manna, SakhiSamanta, SmarajitMaiti	July 2020IP Journal of Nutrition Metabolism and Health Science 1(3):36-42 DOI: 10.18231/j.ijnmhs.2018.009	Khyati Education and Research Foundation	=
70	Purification and Characterization of Natural Solid-Substrate Degrading and Alcohol Producing Hyperthermostable Alkaline Amylase from Bacillus cereus (sm-sr14). Sahoo S, Roy S, Santra D, Maiti S, Roul S, Maiti S.	Curr Pharm Biotechnol. 2020;21(9):872-881. doi: 10.2174/1389201021666200130113022. PMID: 32000641.	Bentham Sciences	Impact F 2.2
71	Bioindicator potential of Spathosternumprasiniferumprasiniferum (Orthoptera; Acridoidea) in pesticide (azadirachtin)-induced radical toxicity in gonadal/nymphal tissues; correlation with eco-sustainability Balaram Manna a b, SmarajitMaiti b, Amlan Das a	Journal of Asia-Pacific Entomology Volume 23, Issue 2, June 2020, Pages 350-357	ELSEVIER	Impact F 1.1
72	Protein stability governed by its structural plasticity is inferred by physicochemical factors and salt bridges Panja AS, Maiti S, Bandyopadhyay B..	Sci Rep. 2020 Feb 4;10(1):1822. doi: 10.1038/s41598-020-58825-7. PMID: 32020026; PMCID: PMC7000726	Nature	Impact F 3.8
73	Chronic Tobacco Exposure by Smoking Develops Insulin Resistance. Mukharjee S, Bank S, Maiti S.	EndocrMetab Immune Disord Drug Targets. 2020;20(6):869-877. doi: 10.2174/18715303206	Bentham Science	Impact F 2

		66200217123901. PMID: 32065107.		
74	Adverse Effects of Chronic Alcohol Consumption Authors: SuchismitaMukharjee SmarajitMaiti	March 2020 SN Comprehensive Clinical Medicine 2(Suppl) 2(Suppl) DOI:10.1007/s42399-020-00237-9	Springer	=
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77	Epigallocatechingallate and theaflavin gallate interaction in SARS-CoV-2 spike-protein central channel with reference to the hydroxychloroquine interaction: Bioinformatics and molecular docking study. Maiti S, Banerjee A.	Drug Dev Res. 2021 Feb;82(1):86-96. doi: 10.1002/ddr.21730. Epub 2020 Aug 7. PMID: 32770567; PMCID: PMC7436314	Wiley	Impact F 3.5
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94	Better binding informatics of delta variants (B.1.617.2) with ACE2 than wild, D614G or N501Y CoV-2 is fully blocked by 84 amino-acid cut of wild spike Author links open overlay panel DipannitaSantra a 1, Amrita Banerjee a 1 SmarajitMaiti a b	Informatics in Medicine Unlocked Volume 29, 2022, 100900	ELSEVIER	=
95	Molecular dynamic simulation suggests stronger interaction of Omicron-spike with ACE2 than wild but weaker than Delta SARS-CoV-2 can be blocked by engineered S1-RBD fraction. Santra D, Maiti S.	Struct Chem. 2022;33(5):1755-1769. doi: 10.1007/s11224-022-02022-x. Epub 2022 Aug 4. PMID: 35966763; PMCID: PMC9362541	Springer	Impact F 2.1
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101	Prediction of Prospective Mutational Landscape of SARS-CoV-2 Spike ssRNA and Evolutionary Basis of Its Host Interaction. Sarkar A, Ghosh TA, Bandyopadhyay B, Maiti S, Panja AS.	Mol Biotechnol. 2024 Apr 15. doi: 10.1007/s12033-024-01146-1. Epub ahead of print. PMID: 38619800.	Springer	Impact F 2.4
102	Arsenic induced oxidative neural damage…….....pure theaflavin and AChE	Cell Biochemistry and Biophysics June 2024, 82(3):2567-2583	Springer	Impact factor 2.5
103	Dialyl sulfide with Trans Chalconeprevent breast cancer…….MMPs induction	Genes and Cancer, August 2024, 15:41-59,	WellcomeTrust Publicher	IF 0.864
104	Estrogen sulfotransferase SULT1E1 and NFkB……..….in breast carcinogenesis	Indian J of Gynecologic OncologyDecember, 2024 (22)4	Springer	IF 0.4
105	Psychosocial status and COVID-19 outcome are significantly associated	Journal of Health Population and Nutrition, March 2025	BIOMED Central	IF 2.8
106	Prevalence of UTI…….antibiotic resistance in Haldia, WB, India	Indian Journal of Public Health Research and Development Dec, 2025. The Institute of Medico-Legal Publications Pvt. Ltd.	*17*(1), 86-95. https://doi.org/10.37506/6g84cj73	
106	Study of tannic acid stress……Stenotrophomonasmaltophilia PKA14	System Microbiology and Biomanufacturing, Jan 2026 **6**, 12	Springer Nature	IF 2.9
107	A Review on Prospect of Creatinine Meter as a Point-of-Care Device for Instant Renal Function Check	INTERNATIONAL JOURNAL OF ENGINEERING RESEARCH & TECHNOLOGY (IJERT)	Volume 14, Issue 07 (July 2025),	
108	Characterization and Evolutionary …Degenerate Primers. Banerjee, A., Samanta, M. K., Kanwar, M., Maiti, S., Mondal, K. C., Thatoi, H., & Das Mohapatra, P. K	The protein journal, 44(5), 654–666. https://doi.org/10.1007/s10930-025-10288-3	Springer Nature	IF 1.4
109	Assessment by neo-CIAF formula predicts contrast occurrence of overweight and undernourishment in preschool children of Jangalmahal districts, India. Mahanti B, Chowdhury S, Paul S, Adak D, Mahanty S, Das R, et al.	Trends in Pediatrics. 2024;5(4):146-156. https://doi.org/10.59213/TP.2024.183	Aydın Pediatric Society	
110	Prevalence, Aetiology and Underlying	BioSocial Health J.	doi:	

	Mechanism of Stillbirth: A Review. Sanchaita Bera, Arunima Ghosh, Biswajit Chakraborty, Pikash Pratim Maity, Smarajit Maiti,	2025;2(4): 158-165.	10.34172/bshj.113	
111	ERBB2–Estrogen Receptor Interplay in Breast Cancer: Molecular Complexity, Tumor Heterogeneity, and Therapeutic Opportunities. Smarajit Maiti, Sayantani Maiti,	*Journal of Carcinogenesis*, *25*(1), 112-117.	https://doi.org/10.64149/J.Carcinog.25.1.112-117	

3 Publication of Chapter in Edited Book

Sl. No.	Chapter Titlewithtotal page numbers	Booktitle,Editor &Publisher,National/ International, Year	ISBN/ISSN	Whether Peer reviewed	No. ofCo-author(s)
1	Arsenic Toxicology: Possible mechanism of mutagenesis and carcinogenesis.	Handbook of Arsenic toxicology ELSEVIER SJS Flora International 2015	ISBN: 978-0-12-418688-0		1
2	Special Features of Human Lung ACE2 Sensitivity to SARS-CoV-2 Spike Glycoprotein	Targeting Cellular Signalling Pathways in Lung Diseases Springer Kamal Dua International 2021	978-981-33-6826-2		2
3	Redox regulation of estrogen signalling in human breast cancer.	Handbook of Oxidative Stress in Cancer: Mechanistic Aspects Springer Nature SajalChakraborti International 2022	ISBN-13 978-9811594106		1
4	Effect of stress on mother-child……health anomalies in Rural india	The Ecology of Health: Present scenario and approaches Rubicon Publication Nirmalya Sinha National 2019	ISBN 978-1-913482-98-5		3
5	Breast Cancer: Causative factors and therapeutics	Health Nutrition and Hygine: The dynamics of Social Ecology In India	ISBN: 978-81-930138--6		1
6	Present scenario of arsenic toxicity and its therapeutics	Health Nutrition and Hygine: The dynamics of Social Ecology In India	ISBN: 978-81-930138--6		1

4 Research guidance (Ph.D., M.Phil/PG Dissertation)

Sl.No.	Current position

i)Ph.D.	Supervisor(Sole)	**5** **Dr Sk. Sajed Ali. Emploee, WB Health & Family Welfare** **Dr Md. Mobidullah Khan. …….same…….** **Dr. SumitSahoo. Epidemiologist** **Dr. AarifaNazmeen. Biotech Oncologist, MEDGENOME** **Dr. KakaliBera. Asst Professor, PanskuraBanmalicoll**
	Supervisor(Joint)	**9** **Dr. Nirmallya Acharyya. PDF, NIH, Maryland, USA** (joint sup: DrSandipChattopadhya, VU) **Dr. Bimal Deb. Midnapore blood bank** (joint sup: DrSandipChattopadhya, VU) **Dr. Anindya Sundar Panja. Asst Prof, OIST,VU** (joint sup:Dr B Bandopadhyay,OIST, VU) **Dr. Pradipta Jana. Sen. Tec. Officer, THSTI** (joint sup: Prof. Subrata Kr De, VU) **Dr. Suman Bhattacharya. Scientific officer, New Delhi** (joint sup: Prof.Chandradipa Ghosh, VU) **DrSarbashri Bank. Asst. Prof, Sanaka Medical College** (joint sup: Prof. Subrata Kr De, VU) **Dr. Balaram Manna. Food Safety Officer** (joint sup: DrAmlan Das, CU) **MehakKanwar (thesis submitted)** (joint sup: Prof. BiswadevBishyai, CU) **Pratik De (registered)** (joint sup: Prof. JayantaKundu, VU)
ii)M.Phil/PG Dissertation		From 2006-2022 Total 40 students (in M.Sc. Biochemistry, M.Sc. Biotechnology) V.U. Distance Education 30 students in Dietetics and Community Nutrition Management.

5 Research Projects Completed (More than 10 lakh)

Sl. No.	TitleoftheprojectwithReferenceNo.	Grant(s)/ Amountsanctionedin Rs.(Lakhs)	Agency(Funding,Commissioning and/orCollaborating)	Period	PrincipalInvestigator/Co-investigator
1	Studies on the anti-oxidative and anti-carcinogenic role of Camellia sinensis (green tea) extract on arsenic induced hepatic and intestinal degeneration in rat. Project memo no: 930(Sanc.)/ST/P/S&T/1G-5/2016 dt. 10/01/2017	11.00	Deapartment of Science and Technology Govt of West Bengal	3 yrs	PI-DrSmarajitMaiti Co-PI-DrTamalKanti Ghosh

6 Patents(International-10,National-07)

Sl.No.	Patentparticulars	ApprovingAuthority withdate	Period ofValidity/Status	TypeofPatent,BroadArea/Field	National/International	No.ofInventors
1.	Method of the determination of the secondary structure of protein	Official journal of the patent office, Govt of India	Published 27/5/2014	Software, protein structure determination	national	4
2	A trypsin resistant oral milk insulin protein complex preparation	The patent office journal Gov of India Application no. 201631033559A	Published 24/3/2017	Diabetes, Health Sciences	national	8

7 Identification and Characterization of new Micro-organisms/ pathogens related to Medical Sciences and Industry

Sl.No.	Policyd etails	Area/Field	Submitted toOrganization/Body/Govt.	International/National/State	Output/Impact
1	Identification of a new bacterium	Microbiology &industry	NCBI, USA National Center for Biotechnology Information	International	New bacterial strain recognized
2	Identification of a new bacterium	Microbiology &industry	NCBI, USA National Center for Biotechnology Information	International	New bacterial strain recognized
3	Identification of a new bacterium	Microbiology &health	NCBI, USA National Center for Biotechnology Information	International	New bacterial strain recognized
4	Identification of a new bacterium	Microbiology &health	NCBI, USA National Center for Biotechnology Information	International	New bacterial strain recognized
5	Identification of a new bacterium	Microbiology &health	NCBI, USA National Center for Biotechnology Information	International	New bacterial strain recognized

8 Awards/Fellowship(International/ National)

Sl.No.	Award/Fellowship:International/National	NameofAward/Fellowshipreceived	Year	Name of theorganization/Agencyfromwhereheawardisreceived
1	National	GATE	1995	IIT
2	National	Junior Res Fellowship	1995	UGC
3	National	Senior Res Fellowship	1997	UGC
4	International	Post Doc Fellowship	2001	Kansas Univ Med Center USA
5	International	Post Doc Fellowship	2002	Oklahoma State Univ USA

9 Invitedlectures/Resource/Person/paperpresentationinSeminars/Conferences/fullpaperinConference Proceedings (Paper presented in Seminars/Conferences and also

published as full paper inConference Proceedings

Sl. No.	TitleofLecturedelivered/ Paperpresented/Paperpublishedinconferenceproceedings	TitleofConference /Seminaretc.,Date	Organizedby	International(abroad/withinCountry)/National/ State/Universitylevel
1	Biochemistry, molecular biology and toxicology	Resource Person UGC merged scheme	Dept Physiology, Vidyasagar University	University Level
2	Arsenic toxicology and its therapeutics	National conferences Nutrition and dietetics	Midnapore college	National

10. Teaching Position/ sheld

Sl. No.	Designation	Institution	Date	
			From	To
1	Part-time Lecturer, Department of Physiology,	Sonarpur College, South 24-Pgs, WB, India	2001	2001
2	Associate Professor& Head, Department of Biochemistry& Biotechnology. Teacher in Charge , 721102, India	Oriental Institute of Science and Technology, AFFILIATED TO VidyasagarUniversity, Rangamati, Midnapore, WB	2006	2023Nov
	Associate Professor:	Haldia Institute of Health Sciences, ICARE complex, Haldia, East Midnapore	2023Nov	Till date

11. Administrative Position/sheld

Sl. No.	Designation	Institution/Department
	Head	Post Graduate Department of Biochemistry, Oriental Institute of Science and Technology, affiliated to Vidyasagar University
	Head	Post Graduate Department of Biotechnology, Oriental Institute of

		Science and Technology, affiliated to Vidyasagar University
	Member of Board of Studies,	Department of Biochemistry, OIST, Vidyasagar University
	Teacher in Charge,	Oriental Institute of Science and Technology, affiliated to Vidyasagar University
	Member	Ph.D. Committee, Dept. of Biochemistry, OIST, Vidyasagar University
	Paper setter, Examiner, Moderator of Examinations of .	several undergraduate and Post Graduate departments of the University
	Visiting faculty	several Departments of Vidyasagar University; Nutrition, Biomedical Laboratory Science and Management, Microbiology
	PhD thesis	reviewer, adjudicator of West Bengal Health University

12	**Reviewer, Editorial advisor of National and International peer reviewed journals of high impact factors**	Biological Trace Element Research BMC group of Journals Cell Biochemistry and Biophysics Cellular and Molecular Biochemistry Computers in Biology and Medicine Drug Design, Development and Therapy Drug Metabolism and Disposition Drug Research Environmental Technology Environmental Toxicology Epigenomics Extremophile Food Science & Nutrition Frontiers in oncology Frontiers in Endocrinology Frontiers in Immunology Frontiers in Genetics Frontiers in Pharmacology Frontiers in Molecular Biosciences Gene Heliyon Indian Journal of Chemical Technology Indian Journal of Medical Research Infection and Drug Resistance Infection and Drug Resistance Informatics in Medicine Unlocked International J of Toxicology International Journal of Medicine and Medical Sciences Journal of Biochem and Molecular Toxicology Journal of Bioinformatics and Computational Biology Journal of Biomolecular Structure and Dynamics Journal of Hazardous Material Journal of Medical Laboratory and Diagnosis MDPI group of journals Pharmaceutical Crop Pharmacognosy Magazine Pharmacology | Journal of Biomedical Research & Environmental Sciences. Phytomedicine Phytomedicine Plus PlosOne Proteome Science Public Health Challenges Royal Society of Chemistry: RSC Advances Scientific Reports Scientifica

		Toxicology International Journal Editorial Advisor: Pharmaceutical Crop and several more And several more ELSEVIER, Springer Nature, Wiley, PLOS, BIOMED CENTRAL, OXFORD publisher, Bentham Sciences Journals.

PreviousProject and Funding in Dr Smarajit Maiti's Lab

Title of Project	**Funding Agency**	Duration from To yrs	**Total Approved Cost of the Project (In INR.)**
Arsenic toxicology and its therapeutics **Completed**	Host institute: OIST, a res. Fellowship to Ph.D. student **Nirmallya Acharyya**	3	6000/- pm
Microbiology, Amylase producing microorganism	Host institute: OIST, a res. Fellowship to Ph.D. student **Sumit Sahoo**	3	6000/- pm
Arsenic toxicology and its therapeutics **Completed**	University Grants Commission, New Delhi, INDIA Moulana Azad National Minority Fellowship 2010-11 awarded To Ph.D. student **Sk Sajed Ali**	5	16,000-18,000+HRA pm fellowship+15,000-20,000/yr contingency
Clinical biochemistry Diabetic cardio-myopathy, Coronary artery diseases **Completed**	University Grants Commission, New Delhi, INDIA, Moulana Azad National Minority Fellowship 2011-12 awarded To Ph.D. student **Md. Mobidullah Khan**	5	16,000-18,000+HRA pm fellowship+15,000-20,000/yr contingency
Clinical biochemistry on cancer biology. Role of Sulfotransferase and estradiol in female	University Grants Commission, New Delhi, INDIA, Moulana Azad National Minority Fellowship 2012-13 awarded To Ph.D. student **Aarifa Nazmeen**	5	16,000-18,000+HRA pm fellowship+15,000-20,000/yr contingency
Studies on the Metabolic syndrome and Cardiovascular syndrome **Completed**	Major funding Department of Science and Technology, Govt of India, INDIA INSPIRE fellowship to Ph.D. student Sarbasree Bank	5	16,000-18,000+HRA pm fellowship+15,000-20,000/yr contingency
Studies on the Metabolic syndrome and Cardiovascular syndrome **Completed**	Newton Bhabha Fund PhD Placements Programme for Sarbasree Bank to visit to Oxford University	3-4 months	

14. Involvement in Administration and Professional Development

SerialNo.	Activity	Description
01	AdministrativeresponsibilitiessuchasHead/Principal/VicePrincipal/TIC/Chairperson/Dean/Director/Coordinator/Wardenetc.	Head/TIC/BOS member/ PhD committee members
02	Organizingseminars/conferences/workshops,othercollege/universityactivities. **Collaborative Research work**	**Collaboration with** Dr.Guangping Chen, Department of Physiological Sciences, Oklahoma State University, Stillwater, OK, USA Funding for Research Work Prof. DrTamalKanti Ghosh, Deben MahatoSadar Hospital •Super Speciality Hospital, Purulia• Super Speciality Hospital, Raghunathpur. Prof. Luciano Saso. Sapienza University of Rome, Department of Physiology and Pharmacology.

15. AttendedOrientation/RefresherCourse/OthersinHumanResourceDevelopmentCentre(HRDC)/AcademicStaffCollege

Sl.No.	NameoftheCourse/SummerSchool	Place	Duration	SponsoringAgency
1	Refresher Course on "Recent advances and excellence in Pharmaceutical Sciences"	Jadavpur University	2 weeks	QIP Nodal cell (Pharmacy), Dept of Pharmaceutical Tech, Jadavpur University
2	Refresher Course on "Application of Bioinformatics on modern Biology (Interdisciplinary course)	Vidyasagar University	3 weeks	DBT, India and Bioinformatics Infrastructure Facility Center, Dept of Microbiology, VU
3	Certificate Course on Sophisticated Instruments used in Biological and Biomedical Research	Bose Institute	2 months	Dept of Science and Technology, Govt of West Bengal and Bose Inst.
4	Workshop on Image analysis of Chromosome	Calcutta University	4 days	University Science Instrumentation Center, Calcutta University
5	Training cum Workshop on UNIX/C	Calcutta University	10 weeks	University Computer Center, CU