

Curriculum Vitae (CV)

1. GENERAL INFORMATION (Executive Summary):

Name	MADHUSUDAN DAS
Date of Birth	2 nd January, 1965; 60 Years as on 2025
Correspondence Address	SUNVIEW Apartment, Flat No. 201 C, 3 Ruby Park South, P.O. Haltu, Kolkata-700078
Phone No.	91-9831281756
Email	madhuzoo@yahoo.com

2. EXECUTIVE SUMMARY:

a.	Designation	Professor
b.	Organization	University of Calcutta
c.	Pay Scale	2,18,200 (per month)
d.	Date of joining to the present post	23. 02.2010
e.	Total experience	15 Years as Professor
f.	Last promotion held	Dean of Science (Dec, 2016 to Jan, 2020) Head of the Department of Zoology (2013-2015)
g.	Total number of grant awarded/ sanctioned	16 (Total amount Rs. 5 Crores and 64 Lakhs)
h.	Total number of Ph.D. awarded	26
i.	Patent granted from the Patent Office, Govt. of India (No. 542205, Date 19.06.24) for Metformin drug delivery	Discovered nano- particle to treat Diabetes patients who are non-responder for the drug
j.	Total number of Publications	132
k.	Total number of Citations	2959 h-index: 30 and i10-index: 60
l.	Fellowship	West Bengal Academy of Science and Technology-2024
m.	Award	Siksha Ratan-2019 Parul Siksha Samman-2017
n.	Post-Doctoral Fellow	Case Western Reserve University, Cleveland, USA
o.	Visiting Scientist	University of California, UCSD, San Diego, USA

3. DETAILS OF EXPERIENCE:

S. No.	Post held	Pay Scale	Organization	From	To	Experience (In Years and Months)
a.	Scientist-B	Rs. 8000-13500	Indian Institute of Chemical Biology, Govt. of India, Kolkata	23.02.93	22.02.98	5 years
b.	Scientist-C	Rs. 10000-15200	Indian Institute of Chemical Biology, Govt. of India, Kolkata	23.02.98	30.12.99	1 Year and 10 Months
c.	Senior Lecturer	Rs. 10000-15200	University of Calcutta	31.12.99	22.02.02	2 years and 2 Months
d.	Reader	Rs. 37400-67000	University of Calcutta	23.02.02	22.02.10	8 Years
e.	Professor	Rs. 37400-67000	University of Calcutta	23.02.10	Till date	14 Years and 5 Months

4. INTERNATIONAL ACADEMIC EXPOSURE:

S. No.	Post	University	Area of Research	Duration		
				From	To	In Years & Months
a.	Research Associate	Case Western Reserve University, Cleveland, USA	Cancer Biology	22.02.2001	25.02. 2003	2 Years
b.	Visiting Scientist	University of California, San Diego, USA	Human Disease Genetics	Jan, 2006	Jan, 2007	1 Year and 1 Month

5. ADMINISTRATIVE EXPERIENCE/POST(S) & RESPONSIBILITIES HELD:

S. No.	Post	Organization/University	Duration		Experience (In Years and Months)
			From	To	
a.	Dean of Science	University of Calcutta	15.12.2016	14.01.2020	3 Years
b.	Head of the Department of Zoology	University of Calcutta	01.10.2013	30.09.2015	2 Years
c.	Senate Member	University of Calcutta	01.10.2013	30.09.2015	2 Years

d.	Chairman	Under Graduate Board of Studies	15.07.2018	Till date	6 Years
e.	Expert Member	Department of Science, Technology and Biotechnology, Govt. of West Bengal	16.08.2017	Till date	7 Years
f.	Treasurer	Calcutta Consortium of Human Genetics, Kolkata	01.07.2012	30.06.2018	6 Years
g.	Executive Member	Cytology and Genetics Society of India	01.04.2012	31.12.2015	3 Years
h.	Executive Member	Kenduadihi Bikash Society (Rehabilitation of mentally retarded child), Bankura, West Bengal	01.09.2003	Till date	21 Years
i.	Joint Secretary	Indian Association for Cancer Research, West Bengal Chapter	15.03.2014	30.03.2018	4 Years
j.	Expert Member	Indian Civil Service Examination, Govt. of India	23.06.2018	Till Date	6 Years
k.	Expert Member	Indian Forest Service Examination, Govt. of India	22.06.2022	Till Date	2 Years
l.	Senate Member	National Institute Pharmaceutical Education and Research, Kolkata	01.04.2018	31.03.2023	5 Years
m.	Research Advisor	Saroj Gupta Cancer Centre & Research Institute, Kolkata	01.09.2018	30.08.2022	4 Years
n.	Co-Ordinator	UGC sponsored Refresher Course in Life science held in the Department of Zoology, University of Calcutta.	06.12.2010	28.12.2010	21 Days
o.	Co-Ordinator	UGC sponsored remedial coaching for SC/ST and minority students, University of Calcutta.	2010	2014	4 Years

6. HONORS/ AWARDS & FELLOWSHIPS FOR OUTSTANDING WORK:

S. No.	Name of Award/ Fellowship	Elected/ Honorary	Awarded by	Year of Award
a.	West Bengal Academy of Science and Technology	Elected	West Bengal Academy of Science and Technology	2024
b.	Parul Siksha Samman	Honorary	Parul Prakasani, Kolkata	2017
c.	Siksha Ratan	Honorary	Department of Higher Education, Govt. of West Bengal	2019

d.	Mentor of the year	Elected	Harlem Children Society (Association of Science and Society), New York, USA	2012
e.	Best Participant Award	Elected	Workshop on Applications of Electron Microscopy in Medicine and Biotechnology, Centre for Cellular and Molecular Biology, Hyderabad	1995

7. EDUCATIONAL QUALIFICATIONS (In chronological order from latest to Master level):

S. No.	Qualification	University	Year	Subject(s)	% Achieved
a.	Ph.D.	University of Calcutta	1996	Zoology	Awarded
b.	M. Phil.	University of Calcutta	1989	Environmental Science	67%
c.	M.Sc.	University of Calcutta	1988	Zoology	68%

8. PATENT GRANTED:

Title	Patent No.	Date	Granted by
Metformin Loaded Graphene Oxide Quantum Dots based nanoformulation and method for preparation thereof	Patent No. 542205	19/06/2024	The Patent Office, Govt. of India

9. RESEARCH PROJECTS AWARDED/SANTIONED: (Total amount Rs. 5 Crores and 64 Lakhs)

S. No	Title of the project	Funding Agency	Period	Sanctioned Amount
16	Dementia science programme: Incidence/Prevalence/Risk/Intervention analysis of dementia and basic research thereof	DBT, Govt. of India	2018-2025	167 lakhs
15	Functional Correlation between Folate Metabolism and DNA Methylation Regulating genes and associated mutations in the development of Neural Tube Defects in West Bengal	DST, Govt. of West Bengal	2019-2021	48 lakhs
14	Functional interplay of different mutations/polymorphs of CLDN14, MGP and SPP1 genes in the development of kidney stone disease	ICMR, Govt. of India	2017-2020	41.50 lakhs
13	Ecotyping identification of detritivorous organisms in Indian Sundarbans using	DST, Govt. of West Bengal	2015-2018	19.84 lakhs

	molecular profiling			
12	Mitochondrial and nuclear gene mutations/polymorphisms and their association with Gastric Cancer in Mizoram and West Bengal.	DBT, Govt. of India	2013-2016	89 lakhs
11	Association of gene mutation/Polymorphism with therapeutic efficacy of Metformin in Type 2 Diabetes Mellitus patients of West Bengal.	DBT, Govt. of India	2013-2016	64 lakhs
10	GJB2, SLC26A4 and KCNQ4 genes polymorphism associated with Non-Syndromic Hearing Loss (NSHL) in population of West Bengal	DBT, Govt. of West Bengal	2012-2015	27 lakhs
9	Candidate gene association study in Type 2 Diabetes Mellitus (T2DM) in the population of West Bengal	BRNS, Govt. of India	2010-2013	20 lakhs
8	Genetic analysis of the purity of seed of Indian Major Carp using polymorphic DNA markers.	UGC, Govt. of India	2010-2013	6.5 lakhs
7	Thyroid dysfunction and its effect on glucose homeostasis in Rat.	UGC, Govt. of India	2008-2010	0.9 lakh
6	Thyroid peroxidase (TPO) gene polymorphism and Its relation with thyroid Dysfunction.	DBT, Govt. of India	2008-1011	24.7 lakhs
5	Status of anti-malarial drug resistance of <i>P. falciparum</i> malaria in West Bengal.	Dept. of Health and Family Welfare, Govt. of W.B.	2008-2011	30 lakhs
4	Status of anti-malarial drug resistance of <i>P. falciparum</i> malaria in Jalpaiguri.	Dept. of Health and Family Welfare, Govt. of W.B.	2007- 2008	7.3 lakhs
3	Comparative efficacy of ACTs in <i>P. falciparum</i> malaria in Jalpaiguri District.	Dept. of Health and Family Welfare, Govt. of W.B.	2008-2011	6.8 lakhs
2	Role of diagnosis and treatment of asymptomatic malaria.	National Rural Health Mission, India	2008- 2011	9 lakhs
1	DNA Fingerprinting and cellular analysis for the assessment of susceptibility of the population exposed to arsenic through drinking water in West Bengal.	DST, Govt. of West Bengal	1999-2000	2.65 lakhs

10. NUMBER OF RESEARCH SCHOLARS GUIDED FOR PH.D. DEGREE: (Total no. 25)

	NAME	TITLE OF THE THESIS	UNIVERSITY	AWARDED/ REGISTERED
1	Sudipta Chakrabarti	Thyroid dysfunction status with special reference to polymorphism of Thyroid Peroxidase (TPO) gene	University of Calcutta	Awarded 2009
2	Nisha Balmiki	Clinical spectrum of thyroid dysfunction and its association with Thyroid Peroxidase (TPO) gene mutations in the population of West Bengal	University of Calcutta	Awarded 2012
3	Srikanta Guria	Thyroid Peroxidase (TPO) gene polymorphisms in the population of West Bengal	University of Calcutta	Awarded 2013
4	Pabitra Saha (Associate Guide)	Prevalence of <i>Plasmodium falciparum</i> chloroquine resistant transporter (Pfcr) gene mutation and its association with in-vivo chloroquine resistance in West Bengal, India	University of Calcutta	Awarded 2013
5	Sonali Das (Associate Guide)	Clinical response of Sulphadoxine-pyrimethamine (SP) in <i>p. falciparum</i> malaria in association with DHFR and DHPS gene mutations in West Bengal	University of Calcutta	Awarded 2014
6	Rina Mahto	Radiation processing of foods: its effect on texture, proteins, insects and different microorganisms	Jadavpur University	Awarded 2014
7	Arup Kumar Pattanayak	PPARG, KCNJ11 and TCF7L2 gene mutations and their association with Type 2 Diabetes Mellitus (T2DM) in the population of West Bengal	University of Calcutta	Awarded 2014
8	Kunal Mondal	Study on the morphological, biochemical and histological characteristics of <i>Macrobrachium rosenbergii</i> through application of mangrove-based feed	University of Calcutta	Awarded 2016

9	Biswabandhu Bankura	Association of gene mutations/polymorphisms with therapeutic efficacy of metformin in Type 2 Diabetes Mellitus patients of West Bengal, India	University of Calcutta	Awarded 2017
10	Bidisha Adhikary	Association of gene mutations/polymorphisms with nonsyndromic hearing loss in the population of West Bengal, India	University of Calcutta	Awarded 2018
11	Manalee Guha	Mutations/polymorphisms of CaSR, VDR, CLDN14, MGP and SPP1 genes associated with kidney stone disease in the population of West Bengal	University of Calcutta	Awarded 2017
12	Zareen Sultana	Polymorphisms/mutations of IL-1 β & TNF- α genes associated with gastric cancer in West Bengal, India	University of Calcutta	Awarded 2018
13	Soumee Ghosh	Association of polymorphisms/mutations of toxicity genes with gastric cancer in West Bengal, India	University of Calcutta	Awarded 2018
14	Silpita Paul	Genetic association of congenital heart defects in the population of West Bengal, India	University of Calcutta	Awarded 2019
15	Susanta Sadhukhan	Genetic analysis of congenital neural tube defects in the population of West Bengal, India	University of Calcutta	Awarded 2019
16	Pubali Mitra	Association Of CALCR, PTH And TRPV5 Gene Polymorphisms with Kidney Stone Disease in The Population Of West Bengal, India	University of Calcutta	Awarded 2020
17	Ashif Ali Sardar	Studies on Population Dynamics and Insecticide Susceptibility of Sand Fly in Kala Azar endemic of Malda District, West Bengal	University of Calcutta	Awarded 2021
18	Annya Das	Synanthropic Mites of South Bengal with control of allergy causing dust mites with green pesticides	University of Calcutta	Awarded 2021
19	Gourab Saha	Identification and Characterization of Frequently Mutated Genes in Periampullary and Pancreatic	University of Calcutta	Awarded 2022

		Ductal Adenocarcinoma from Indian Patient Population		
20	Tushar Pyne	Study of polymorphic variants in the endocannabinoid system genes relevant to human happiness and subjective well-being	University of Calcutta	Awarded 2022
21	Santanu Chakraborty	Ecotypic Identification of Detritivorous Organisms in Indian Sundarbans Using Molecular Profiling	University of Calcutta	Awarded 2022
22	Sudeep Ballav	Insecticide Susceptibility Status of Japanese Encephalitis Vector Mosquitoes in Vulnerable Areas of Northern Districts of West Bengal, India	University of Calcutta	Awarded 2022
23	Mrinmoy Dhauria	A study of polymorphisms in candidate genes related to human happiness and subjective well-being	University of Calcutta	Awarded 2023
24	Madhurima Basak	A study on aetiopathogenesis of Graves' Ophthalmopathy-Focus on role of circulating fibrocytes	University of Calcutta	Awarded 2023
25	Arindam Chatterjee	Screening of Kidney Stone patients using genetic variation in the population of west Bengal	University of Calcutta	Awarded 2023
26	Kunal Sarkar	A novel approach to alleviate metformin resistance by graphene oxide quantum dot-based metformin nanoparticles	University of Calcutta	Awarded 2025
27	Ravi Prakash Jadav	Investigating circulating microRNAs as diagnostic biomarker of renal cell cancer (RCC)	University of Calcutta	Registered 2022
28	Tarun Mahata	Elucidating the role of R7RGS proteins in non-alcoholic fatty liver disease	University of Calcutta	Submitted 2025
29	Anwasha Das	Mitochondrial changes induced by bifenthrin toxicity in pool barb (<i>Punitus sophore</i>)	University of Calcutta	Submitted 2025
30	Nirvika Paul	Study on Maternally imprinted genes linked with congenital Neural Tube Defects in West Bengal, India.	University of Calcutta	Registered 2022

31	Srilagna Chatterjee	Implications of allelic variations of CLOCK genes in VHL-associated tumorigenesis in clear cell Renal Cell Carcinoma (ccRCC) in the population of West Bengal	University of Calcutta	Registered 2023
32	Ankush Mitra	Morphotaxonomic and Molecular Characterisation of Dacine Fruit Flies (Diptera: Tephritidae: Dacinae: Dacini) across the Gangetic Plains of West Bengal, India	University of Calcutta	Registered 2024

11. DISSERTATION OF SUMMER/WINTER TRAINEE:

S. No.	Name of the student	Title	Year
1	Ananya Barua	Histological changes of liver and spleen of hypothyroid rat	2004
2	Vijayaragavan S	Association between the C825T Polymorphism of the G Protein β -Subunit Gene and Hypertension in Type 2 Diabetes mellitus Patients in the population of West Bengal	2012
3	Debabrata Mondal	Genetic analysis of the purity of seeds of Indian major Carps using polymorphic DNA markers	2012
4	Arul J	Genetic analysis of Type2 Diabetes Mellitus (T2DM) in the population of West Bengal	2012

12. INVITED LECTURES/ CONFERENCE/SEMINAR:

S. No.	Title of Lecture	Conference /Seminar/ Year	Organized by	International /National
1	Thyroid Peroxidase (TPO) gene polymorphism and its association with hypothyroidism in the population of West Bengal	14 th Alexander Hollaender Course in Genetic Toxicology Genomics and Proteomics Approache. @013s	Indian Institute of Chemical Biology, Kolkata	International
2	Emerging trends in life science	Refresher course in Life Sciences. 2016	Belur Ramkrishna Mission, Belur	National

3	Application of Bioinformatics in aquaculture	DBT, Govt. of India sponsored Workshop in Aquatic Biotechnology	Tripura University, Tripura	National
4	Genetic analysis of the purity of seeds of Indian major carps using Polymorphic DNA markers	National symposium on Fishery. 2016	Central Inland Fisheries Education, Kolkata	National
5	Emerging Trends in Biosciences and Future Prospects	SNPs and their association with hyperthyroidism in the population of West Bengal. 2015	Department of Zoology, Mizoram University, Aizwal, India	International
6	Efficacy of Metformin and genetic polymorphism in Type 2 Diabetes Mellitus patients	National Symposium on Reproductive Biology and Comparative Endocrinology. 2013	Dept. of Zoology, Mohanlal Sukhadia University, Rajasthan	National
7	Application of Bioinformatics in Biology	Application of Bioinformatics in Modern Biology, 2014	Dept. of Microbiology, Vidyasagar University	National
8	Apoptosis	Refresher course in Life Sciences. 2017	Academic Staff College, University of Calcutta	National
9	Genetic analysis of complex diseases	Refresher course in Life Sciences. 2018	Academic Staff College, University of Calcutta	National
10	Genetic analysis of Type2 diabetes Mellitus	SpringTalk @2013. 2013	Dept. of Zoology, University of Calcutta	National
11	Programmed cell death	National Seminar on Current Trends in Biological Sciences, 2010	Pingla Thana Mahavidyalaya, Paschim Midnapur	National
12	Chairperson	National Seminar on Biodiversity. 2015	Deprat. of Zoology, University of Kalyani	National
13	Single Nucleotide Polymorphisms (SNPs) in the diagnosis of human diseases	National Symposium on cancer genomics. 2015	Department of Biotechnology, Mizoram University	National
14	Genetic analysis of hypothyroidism	International Symposium on cancer genomics. 2018	Dept. of Zoology, Burdwan	International

			University	
15	Genetic basis of Kidney Stone Disease	International Symposium on cytogenetics. 2017	Indian Institute of Chemical Biology, Kolkata	International
16	Microscopy and Biochemistry in Biology	West Bengal Science Congress. 2019	Presidency University, Kolkata	National
17	Significance of SNP in disease Diagnosis	Invited Lecture. 2019	Presidency University, Kolkata	National
18	Precision medicine	Invited Lecture. 2022	Brainware University, Kolkata	National
19	Rationale use Drugs	Invited Lecture. 2024	Jadavpur University	National
20	Long Life	Invited Lecture. 2023	North Eastern Hill University	National
21	Human Genetic Disorders	Invited Lecture. 2024	Vivekananda University	National
22	Implementation of National Education Policy	Invited Lecture. 2024	Amity University	National
23	Genetics of Kidney Stone Diseases	Invited Lecture. 2024	Department of Urology, Calcutta Medical College, Kolkata	National
24	Genetics of Type 2 Diabetes Mellitus	Invited Lecture. 2024	Vivekananda University	National

13. BOOK CHAPTER:

1. Ghosh S, Bankura B and Das M. (2016). **Chapter:** DNA Barcoding in Marine Perspectives, **Book:** DNA Barcoding: A Tool to Assess and Conserve Marine Biodiversity, Springer International Publishing, Switzerland, pp 43-61. **[Citation-2]**
2. Guria S, Balmiki N, Chakrabarti S, Pattanayak AK, Bankura B and Das M. (2014). Thyroid deregulation causes cellular damage in pancreatic islets and spleen in rat. Vertebrate and Invertebrate Animal Approaches, Nova Science Publishers, Inc. Pages: 25-31. (Citation 3).

3. Guha M, Sen P, Ghosh S, Ghosh S, Chaudhuri A, Gupta P, Das S, Mukherjee S, Ghosh R, Roychowdhury R, Guria S and Das M. (2014). Hypothyroidism causes cellular damage retinal tissue and biceps in rat. *Vertebrate and Invertebrate Animal Approaches*, Nova Science Publishers, Inc. Pages 33-38. (Citation 3)
4. Guria S, Balmiki N, Chakrabarti S and Das M. (2014). Methimazole Induced Hypothyroidism Modulates Cytomorphology of Skin Epidermis and Collagen Synthesis in Rat. *Vertebrate and Invertebrate Animal Approaches*, Nova Science Publishers, Inc. Pages 39-44. (Citation 3)
5. Guria S, and Das M. (2014). Hypothyroidism reduces phagocytic activity of rat macrophages. *Vertebrate and Invertebrate Animal Approaches*, Nova Science Publishers, Inc. Pages 45-51. (Citation-4)
6. Guria S and Das M. (2014). Phagocytosis of Yeast Particles by Peritoneal Macrophage in Normal and Hyperthyroid Rat. *Vertebrate and Invertebrate Animal Approaches*, Nova Science Publishers, Inc. Pages 53-59. (Citation 3)
7. Guria S, Chhetri S, Saha S, Chetri N, Singh G, Saha PB, Sarkar BS, and Das M. (2014). Pulmonary Involvement of Arsenic Poisoning and Effect of Arsenic Toxicity on Peritoneal Macrophages and Spleen Cells in Rat. *Vertebrate and Invertebrate Animal Approaches*, Nova Science Publishers, Inc. Pages: 61-70 (Citation 3).
8. Guria S, Chhetri S, Saha S, Singh G, Saha P B, Chetri N, Sarkar B S, and **Das M.** (2014). Study of cytomorphology of pancreatic islets and peritoneal macrophage in alloxan induced diabetic rat: a mechanistic insight. *Vertebrate and Invertebrate Animal Approaches*, Nova Science Publishers, Inc. Pages: 71-80. (Citation 10)
9. Balmiki N, Guria S, Bankura B, Pattanayak AK, Das TK, Sinha A, Chakrabarti A, Chowdhury S, and Das M. (2014). Chapter: Clinical Spectrum of Hypothyroidism in West Bengal, India. Book: *Vertebrate and Invertebrate Animal Approaches*, Nova Science Publishers, Inc. Pages 295-301. (Citation 2)
10. Chakrabarti S, Guria S, Balmiki N. and Das M. (2011). Thyroid hormone mediated maintenance of glucose homeostasis and cytomorphology of cardiac muscle and skin in rat. *Animal Science and Issues*, Nova Science Publishers, Inc. Pages: 157-163. (Citation 2)
11. Rao F, Friese R, Wen G, Zhang L, Chen Y, Das M et al. (2007). Catecholamines, Pheochromocytoma, and Hypertension: Genomic Insights. Book: *Comprehensive Hypertension*, Mosby Publishers, Pages: 895-911. (Citation:2)

14. PUBLICATIONS:**Total no. of publications: 132****Total Citation: 2959****H index: 30****i10 index: 60****List of selected publications:**

S. No.	Name of the Author	Title	Name of the Journal, Vol. and Year	Impact factor / Citation
132	Das A, Das M , Paul N, Chatterjee S, Sarkar K, Bank S, Sarkar J, Bankura B, Roy D, Acharya K and Ghosh S.	Bifenthrin causes disturbance in mitochondrial dynamics and bioenergetic system in human embryonic kidney cells (HEK 293)	Environmental Pollution, 2025, 368(1), 125707. https://doi.org/10.1016/j.envpol.2025.125707 .	IF: 7.6 Citation:
131	Mitra A, Mitra P, Mahadani P, Trivedi S, Banerjee D and Das M .	Application of character-based DNA barcode: a novel approach towards identification of fruit fly (Diptera: Tephritidae) species from cucurbit crops	BMC Genomics, 2025, 26(70) https://doi.org/10.1186/s12864-025-11261-1	IF: 3.5 Citation:
130	Dhauria M, Pyne T, Nandagopal K, Chakraborty I, Ganguly K, Sengupta D, Mondal S, Sengupta M and Das M	The <i>SNAP25</i> gene emerges as a pivotal player in shaping well-being levels not only among Indians but also on a global scale.	Nucleus, 2025. https://doi.org/10.1007/s13237-025-00530-9	IF: 2.1 Citation:
129	Chatterjee S, Paul N, Das A, Bank S, Bankura B, Sarkar K, Saha S, Malakar S, Choudhury S, Ghosh S and Das M .	Investigating the association of VHL gene variants with disease risk and clinicopathological outcomes in ccRCC patients from West Bengal, India	Urologic Oncology: Seminars and Original Investigations, 2025 https://doi.org/10.1016/j.urolonc.2024.12.266 .	IF: 2.4 Citation:
128	Paul N, Sadhukhan S; Chatterjee S, Das A, Munian D, Ganguly K, Bankura B, Ghosh K Ghosh S and Das M .	Novel Variants of IGF2 Gene Are Linked with Neural Tube Defects-An In Silico to Clinical Approach in West Bengal, India	Birth Defects Research, 2025 117(1): e2428 https://doi.org/10.1002/bdr2.2428	IF: 1.6 Citation:

127	Sarkar K, Chatterjee A, Bankura B, Bank S, Paul N, Chatterjee S, Das A, Dutta K, Chakraborty S, De S, Al-Masud AA, Khan GA, Chattopadhyay D and Das M.	Efficacy of pegylated Graphene oxide quantum dots as a nanoconjugate sustained release metformin delivery system in in vitro insulin resistance model.	PLoS One, 2024, 19(8):e0307166. https://doi.org/10.1371/journal.pone.0307166 .	IF: 2.9 Citation: 2
126	Kumar A, Yadav RP, Chatterjee S, Das M , Pal DK.	Integration of bioinformatics analysis to identify possible hub genes and important pathways associated with clear cell renal cell carcinoma.	Urologia, 2024, 91(2), 261–269. https://doi.org/10.1177/03915603231220435	IF: 1 Citation:
125	Mridha D, sarkar j, Majumdar A, Sarkar K, Maiti A, Acharya K, Das M , Chen H, DeNiazi NK and Roychowdhury T.	Evaluation of iron-modified biochar on arsenic accumulation by rice: a pathway to assess human health risk from cooked rice	Environmental Science and Pollution Research, 2024, 31: 23549–23567. https://doi.org/10.1007/s11356-024-32644-z .	IF: 6.2 Citation: 5
124	Dhauria M, Pyne T, Nandagopal K, Roy S.S, Sengupta M, Das M et al.	Elucidating the Association of Key Socio-demographic Factors Underlying Happiness and Well-being in the Eastern Indian Bengali Population.	Int J Bioinform Intell Comput, 2024. 3(1):26-44. https://orcid.org/0000-0002-4031-1810 .	IF: Citation: 1
123	Dutta K, Sarkar K, Karmakar S, Gangopadhyay B, Basu A, Bank S, De S, Das B, Das M and Chattopadhyay D.	Asymmetric fabrication and in vivo evaluation of the wound healing potency of electrospun biomimetic nanofibrous scaffolds based on collagen crosslinked modified-chitosan and graphene oxide quantum dot nanocomposites	Journal of Materials Chemistry B, 2023, 11(39):9478-9495. https://doi.org/10.1039/D3TB00619K .	IF: 6.1 Citation: 19
122	Dutta A, Bankura, B; Das M , Pal D K.	KIBRA promoter methylation and association with clinical manifestation of renal cancer: A study in a tertiary institute in eastern India.	Annals of Medical Science and Research, 2023 2(3): 156-159, https://doi.org/10.4103/amsr.amsr_32_23 .	

121	Jalan V, Yadav R P, Das M, Pal D K.	Screening of VHL mutation in different types of kidney cancer in patients of West Bengal (India).	Annals of Medical Science & Research, 2023, 2(1): p 13-20. https://doi.org/10.4103/amsr.amsr_48_22 .	
120	Sengupta S, Pal S, Pal A, Maity S, Sarkar and Das M.	A review on synthesis, toxicity profile and biomedical applications of graphene quantum dots (GQDs).	Inorganica Chimica Acta, 2023, vol 557:121677. https://doi.org/10.1016/j.ica.2023.121677 .	IF: 2.7 Citation: 41
119	Sarkar K, Bank S, Chatterjee A, Dutta K, Das A, Chakraborty S, Paul N, Sarkar J, De S, Ghosh S, Acharyya K, Chattopadhyay D and Das M.	Hyaluronic acid-graphene oxide quantum dots nanoconjugate as dual-purpose drug delivery and therapeutic agent in meta-inflammation	Journal of Nanobiotechnology, 2023, Vol 21: 246, https://doi.org/10.1186/s12951-023-02015-w .	IF: 10.2 Citation: 23
118	Das A, Bank S, Chatterjee S, Paul N, Sarkar K, Chatterjee A, Chakraborty S, Bannerjee C, Majumdar A, Das M and Ghosh S.	Bifenthrin disrupts cytochrome c oxidase activity and reduces mitochondrial DNA copy number through oxidative damage in pool barb (Puntius sophore).	Chemosphere,2023, Vol 332:138848. https://doi.org/10.1016/j.chemosphere.2023.138848 .	IF: 8.9 Citation: 10
117	Bank S and Das M.	Periodic study of electrocardiogram abnormalities can predict major adverse cardiac events in Type 2 diabetics.	European Journal of Preventive Cardiology, 2023, 30(8): 654-655. https://doi.org/10.1093/eurjpc/zwad031 .	IF: 8.5 Citation: 3
116	Sarkar K, DuttaK, Chatterjee A, Sarkar, J, Das D, Prasad A, Chattopadhyay D, Acharya K, Das M, Verma SK and De S.	Nanotherapeutic Potential of Antibacterial Folic Acid-Functionalized Nanoceria for Wound-Healing Applications	Nanomedicine, 2023, 18(2):109-123. https://doi.org/10.2217/nmm-2022-0233 .	IF: 4.7 Citation: 29
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