Curriculum Vitae

Madhusudan Das

Father's Name: Late Gostha Behari Das
Date of Birth: 02.01.1965

Religion: Hindu

Address:

- **Laboratory:** **Department of Zoology, University of Calcutta**
  35, Ballygunge Circular Road, Kolkata-700 019

- **Residence:** Sunview Apartment, Flat No. 201A, 3 Ruby Park South, P.O. Haltu, Kolkata-700 078

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Academic Qualification:

BOARD/ INSTITUTION	YEAR	DEGREE	SUBJECTS
University of Calcutta	1986	B. Sc. Hons.	Zoology (Hons.) Botany, Chemistry
University of Calcutta	1988	M. Sc.	Zoology
University of Calcutta	1989	M. Phil.	Environmental Science
University of Calcutta	1996	Ph. D.	Zoology

Employment Details:

EMPLOYER	POST HELD	FROM	TO	SCALE OF PAY
Indian Institute of Chemical Biology, Kolkata	Scientist B	23.02.93	22.02.98	Rs. 8,000-13,500
Indian Institute of Chemical Biology, Kolkata	Scientist C	23.02.98	30.12.99	Rs. 10,000-15,200
University of Calcutta	Senior Lecturer	31.12.99	22.02.02	Rs. 10,000-15,200
University of Calcutta	Reader	23.02.02	22.02.10	Rs. 37,000-67,000
University of Calcutta	Professor	23.02.10	Till date	Rs. 37,400-67,000
Case Western Reserve University, Cleveland, USA	Research Associate	22.02.10	Feb, 2003	$ 33,000.00 /Year
University of California, San Diego, USA	Visiting Scientist	Jan, 2006	Jan, 2007	$ 40,000.00/Year

Honours:

- Qualified at the **Joint CSIR-UGCNET** (Master's level) held in January, 1989 in the subject Life Sciences.

- **Best Participant Award**, Workshop on Applications of Electron Microscopy in Medicine and Biotechnology, at Centre for Cellular and Molecular Biology, Hyderabad, 1995.

- Awarded '**Mentor of the year-2012'** by the Harlem Children Society, Association of Science and Society, New York, 2012.

- Awarded '**Parul Siksha Samman'** of the year-2017 by the Parul Prakasani, Kolkata

- Awarded '**Siksha Ratan'** of the year 2019 by the Govt. of West Bengal, India

Administrative Experience:

- **Worked as Dean,** Faculty of Science and Faculty of Agriculture, University of Calcutta from December 14th, 2016 to January 9th, 2020.
- Working as **Chairman,** Under Graduate Board of Studies, University of Calcutta (From 2018 to till date)
- Working as an **Expert Member**, Department of Science, Technology and Biotechnology, Govt. of West Bengal from 2015 to till date
- Worked asthe **Head**,Department of Zoology, University of Calcutta (From 1st October, 2013 to September 30th, 2015).
- Worked as a **Senate Member**, University of Calcutta (From 1st October, 2013 - to September 30th, 2015).
- Working as the **Principal Investigator** of the projects funded by UGC (Govt. of India), DBT (Govt. of India), BRNS (Govt. of India), DBT (Govt. of West Bengal) etc. (From 2000 to till date).
- Working as the **Treasurer** of*Calcutta Consortium* of Human Genetics, Kolkata (from April 2012 to 2019.
- Working as an **Executive Member** ofCytology and Genetics Society of India (From 2012-till date).
- Working as an **Executive Member** of Kenduadihi Bikash Society (For the rehabilitation of mentally retarded child), Bankura, West Bengal (From 2003 to till date).
- Working as the **Joint Secretary** of Indian Association for Cancer Research, West Bengal Chapter (From March 2014 to till date).
- Worked as the **Co-ordinator** of UGC sponsored Refresher Course in Life science held in the Department of Zoology, University of Calcutta from December 6th – 28th, 2010.

- Worked as the **Co-ordinator** of UGC sponsored remedial coaching for SC/ST and minority students, University of Calcutta (From 2010-2014).
- **Expert Member for Indian Civil Service Examination**, UPSC, Govt. of India (From 2018 to till date).
- **Expert Member for West Bengal Civil service Examination,** Govt. of West Bengal (From 2016-till date)
- **Expert Member for Manipur Civil service Examination,** Govt. of Manipur (From 2020-till date)
- **Expert Member for Tripura Civil service Examination,** Govt. of Tripura (From 2019-till date)
- **Working as Senate Member,** National Institute Pharmaceutical Education and Research, Kolkata (From 2018 to till date)

Worked as Guest Teacher:

1. Department of Museology, University of Calcutta
2. Department of Biotechnology, Visva-BharatiUniversity, Santiniketan
3. Department of Zoology, VidyasagarUniversity, Paschim Midnapur
4. Department of Microbiology, VidyasagarUniversity, Paschim Midnapur
5. Department of Zoology, Tripura University
6. Department of Medical Biotechnology, The West Bengal University of Health Sciences
7. Department of Biotechnology, Mizoram University

Research experience:

NAME OF THE INSTITUTION	FIELD OF RESEARCH	FROM	TO
University of Calcutta as **Research Fellow**	Worked in the field of Endocrinology, Cell Biology, Histology	1989	1992
Indian Institute of Chemical Biology, Calcutta as **Scientist B**	Worked in the field of Molecular Biology, Cell Biology, Human Genetics	23.02.93	22.02.98
Indian Institute of Chemical Biology, Calcutta as **Scientist C**	Worked in the field of Molecular Biology, Cell Biology, Human Genetics	23.02.98	30.12.99
Department of Zoology, University of Calcutta as **Senior Lecturer**	Worked in the field of Endocrinology, Cell Biology, Human Genetics	31.12.99	22.02.02
Department of Zoology, University of Calcutta as **Associate Professor**	Worked in the field of Endocrinology, Cell Biology, Human Genetics	23.02.02	22.02.10
Case Western Reserve University, **USA** as **Research Associate**	Worked in the field of Apoptosis, Gene knock out using RNAi technology	March, 2001	March, 2003
University of California, San Diego, **USA** as **Visiting Scientist**	Worked in the field of SNP Biology, Human Genetics	Jan, 2006	Jan, 2007
Department of Zoology, University of Calcutta as **Professor**	Worked in the field of Endocrinology, Cell Biology, Human Genetics	23.02.2010	Till Date

Ongoing and Completed Research Projects

No	TITLE	AGENCY	PERIOD	AMOUNT
16	Dementia science programme: Incidence/Prevalence/Risk/Intervention analysis of dementia and basic research thereof	DBT, Govt. of India	2018-203	167 lakhs
15	Molecular analysis of birth defects in the population of WestBengal	DST, Govt. of West Bengal	2018-2021	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 detrivorous organisms in Indian Sunderbans using molecular profiling	DST, Govt. of West Bengal	2015-2018	19.84 lakhs
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 mutations/ polymorphisms 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 poly-morphism and Its relation with thyroid Dysfunction	DBT, Govt. of India	2008-1011	24.7 lakhs

5	Status of anti-malarial drug resistance of *P. falciparum* 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 *P. falciparum* malaria in Jalpaiguri	same	2007-2008	7.3 lakhs
3	Comperative efficacy of ACTs in *P. falciparum* malaria in Jalpaiguri District.	same	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

Research Guidance for Ph.D. Degree

	NAME	TITLE OF THE THESIS	UNIVERSITY	AWARDED/ REGISTERED
1	Sudipta Chakrabarti	Thyroid dysfunction status with special reference to polymorph- ism 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 *Plasmodium falciparum* chloroquine resistant transporter (Pfcrt) 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 *p. falciparum* malariain 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 *Macrobrachium rossenbergii* 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 nonsyndro- mic 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-1β & 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	Genetic analysis of congenital neural	University of	Awarded

	Sadhukhan	tube defects in the population of West Bengal, India	Calcutta	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	Kunal Sarkar	A novel approach to alleviate metformin resistance by graphene oxide quantum dot based metformin nanoparticles	University of Calcutta	Registered 2020
20	Arindam Chatterjee	Screening of Kidney Stone patients using genetic variation in the population of west Bengal	University of Calcutta	Registered 2019
21	Santanu Chakraborty	Ecotypic Identification of Detritivorous Organisms in Indian Sundarbans Using Molecular Profiling	University of Calcutta	Submitted 2021
22	Mrinmoy Dhauria	A study of polymorphisms in candidate genes related to human happiness and subjective well-being	University of Calcutta	Registered 2017
23	Tushar Pyne	Study of polymorphic variants in the endocannabinoid system genes relevant to human happiness and subjective well-being	University of Calcutta	Submitted 2021
24	Sudeep Ballav	Insecticide Susceptibility Status of Japanese Encephalitis Vector Mosquitoes in Vulnerable Areas of Northern Districts of West Bengal, India	University of Calcutta	Submitted 2022

Dissertation of Summer/Winter Trainee

	Name	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 β3-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

Training Courses, Teaching-Learning-Evaluation Technology Programmes, Faculty Development Programmes

	Course	Duration	Organized by
1	UGC sponsored Refresher Course	3 weeks	Academic Staff College, University of Calcutta
2	UGC sponsored Orientation Course	3 weeks	Academic Staff College, University of Burdwan
3	UGC sponsored Refresher Course	3 weeks	Academic Staff College, University of Calcutta

Invited Lectures/Chairperson at National/International Conference/Seminar

	Title of Lecture	Conference /Seminar	Organized by	International /National
1	Thyroid Peroxidase (TPO) gene polymorphism and its association with hypothyroidism in the population of West Bengal	14th Alexander Hollaender Course in Genetic Toxicology Genomics and Proteomics Approaches	Indian Institute of Chemical Biology, Kolkata	International
2	Emerging trends in life science	Refresher course in Life Sciences	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	Central Inland Fisheries Education, Kolkata	National
5	Emerging Trends in Biosciences and Future Prospects	Single nucleotide polymorphisms (SNPs) and their association with hyperthyroidism and Type 2 Diabetes Mellitus (T2DM) in the population of West Bengal	Department of Zoology, Mizoram University, Aizwal, India	International
6	Efficacy of Metformin and genetic polymorphism in Type 2 Diabetes Mellitus patients	National Symposium & 3oth Annual Conference of the Reproductive Biology and Comparative Endocrinology Society	Department of Zoology, Mohanlal Sukhadia University, Rajasthan	National
7	Application of Bioinformatics in Biology	Application of Bioinformatics in Modern Biology	Department of Microbiology, Vidyasagar University	National
8	Programmed cell death	Refresher course in Life Sciences	Academic Staff College, University of Calcutta held in the Department of Botany	National
9	Genetic analysis of complex diseases	Refresher course in Life Sciences	Academic Staff College, University of Calcutta held in	National

			the Dept. of Zoology	
10	Genetic analysis of Type2 diabetes Mellitus in West Bengal	SpringTalk@2013	Dept. of Zoology, University of Calcutta	National
11	Programmed cell death	UGC Sponsored 2-day National Seminar on Current Trends in Biological Sciences	Pingla Thana Mahavidyalaya, Paschim Medinipur	National
12	Chairperson	UGC Sponsored 2-day National Seminar on Biodiversity an its management for food, livelihood and environmental security	Department of Zoology, University of Kalyani, Nadia	National
13	Single Nucleotide Polymorphisms (SNPs) in the diagnosis of human diseases	National Symposium on cancer genomics	Department of Biotechnology, Mizoram University	National
14	Genetic analysis of hypothyroidism	International Symposium on cancer genomics	Department of Zoology, Burdwan University	International
15	Genetic basis of Kidney Stone Disease	International Symposium on cytogenetics	Indian Institute of Chemical Biology, Kolkata	International
16	Microscopy and Biochemistry in Biology	West Bengal Science Congress	Presidency University, Kolkata	National
17	Significance of SNP in disease Diagnosis		Presidency University, Kolkata	National

Membership

- **Life Member:**

- RCFC (Rehabilitation Center For Children), Kolkata
- The Zoological Society of India, Kolkata
- Electron Microscope Society of India

- **Executive Member**:

- Cytology and Genetics Society of India
- Kenduadihi Bikash Society (For the rehabilitation of mentally retarded child), Bankura, W.B.

Book Chapter:

Sudakshina Ghosh, Biswabandhu Bankura and **Madhusudan Das** (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.

Detailed List of Publications

106. Mitra P, Chatterjee S, Paul N, Ghosh S and **Das M.** (2021). An overview of endocrine disrupting chemical paraben and search for an alternative – a review. Proceedings of the Zoological Society, https://doi.org/10.1007/s12595-021-00418-x **(IF 0.7**)

105. Pyne T, Dhauria M, Sengupta M and **Das M.** (2021). Prioritization of Human Well-being Spectrum related GWAS-SNVs using ENCODE-based web-tools predict interplay between PSMC3, ITIH4, and SERPINC1 genes in modulating well-being. Journal of Psychiatric Research, 145 (2022): 92-101 (**IF 4.79)**

104. Chatterjee A, Mridha D, Banerjee J, Chanda S, Ray K, Acharya K, **Das M**, Roychowdhury T and Sarkar. (2021). Green synthesis of iron oxide nanoparticles and their ameliorative effect on arsenic stress relief in *Oryza sativa* seedlings. Biocatalysis and Agricultural Biotechnology, 38: 102207 **(IF 3.28)**

103. Chakraborty S, Sarkar S, Sadhukhan S, Sanyal AK, Aditya G and **Das M** (2021). Evaluation of Bycatch Discarded Fishes Dur-ing Tiger Prawn (*Penaeus monodon*) Seed Collection in Indian Sundarbans: Implication for Sustainable Management International Journal of Aquatic Science,12 (2): 4721-4727

102. Mahata T, Singh Sengar A, Basak M, Das K, Pramanaick A, Verma SK, Singh PK, Biswas S, Sarkar S, Chatterje S, **Das M**, Stewart A and Maity B. (2021). Hepatic regulator of G protein signaling6 (RGS6) drives non-alcoholic fatty liver disease by promoting oxidative stress and ATM-dependent cell death. Redox Biology, 46**:** 102105 (**IF 11.80**)

101. BankS, Bhattacharya S, Koschinski A,Zaccolo M, Maity S, Banerjee A, De SK, Khan GA, **Das M**, Guha S, Ghosh A, Ray U and Sinha AK. (2021). Stress induced protein dermcidin develops diabetes targeting GLUT4/insulin via NO/cGMP inhibition. British Journal of Pharmacology (In press): **(IF 8.73)**

100. Sadhukhan S, Maity S, Chakraborty S, Paul S, Munian D,Pattanayak A, Jana B and **Das M**. (2021). Molecular insight into the effect of single nucleotide polymorphic variation on the structure and dynamics of methionine synthase reductase and its association with neural tube defects. ACS Omega (In press): **(IF 3.51)**

99. Basak M, Sanyal, Kar A, Bhattacharjee P, **Das M** and Chowdhury S. (2021). Peripheral blood mononuclear cells - Can they provide a clue to the pathogenesis of Graves' Orbitopathy? Endocrine, https://doi.org/10.1007/s12020-021-02865-0 **(IF 3.87)**

98. Chakraborty S, SarkarK, Chakraborty S, Ghosh S, Ojha A,Banik A, Chatterjee A and **Das M**. (2021). Assessment of the Surface Water Quality Improvement During Pandemic Lockdown in Ecologically Stressed Hooghly River (Ganges) Estuary, West Bengal, India. Marine Pollution Bulletin, 171: 1-11. **(IF 5.55)** (**Citation 2**)

97. Mitra P, Pal DK and **Das M**. (2021). Attenuation of CALCR protein expression in stone affected region of kidney biopsy tissue: Case presentation. Journal of Clinical Images and Medical Case Reports, 2(2): 1088. **(IF 1.2)**

96. Bank S, Maity S, De SK, Bankura B, Maiti S, **Das M** and Khan G. (2021). ACE/ACE2 balance might be instrumental to explain the certain comorbidities leading to severe COVID-19 cases. Bioscience Reports, DOI: 10.1042/BSR20202014 **(IF 2.94)**

95. Pyne T, Dhauria M, Chaudhury D,Valecha D, Ghosh S, Nandagopal K, Sengupta M and **Das M**. (2020). Bengali translations, reliability assessment and validations of four happiness scales in a representative population from Kolkata, India. The International Journal of Indian Psychology, DOI: 10.25215/0804.157 **(IF 0.54)**

94. Sadhukhana S, Maity S, Chakraborty S, Paul S, Muniane D, Pattanayaka AK, Jana B and **Das M.** (2020). Structural insight into the effect of polymorphic variation on the functional dynamics of methionine synthase reductase: Implications in neural tube defects. Chemical Biology & Drug Design, DOI: 10.1111/cbdd.13780 **(IF 2.54)**

93. Sengupta A, Mukherjee A, Ghosha S, Keswani T, Sarkar S, Majumdar G, **Das M** and Bhattacharyya A. (2020). Partial impairment of late-stage autophagic flux in murine splenocytes leads to sqstm1/p62 mediated nrf2-keap1 antioxidant pathway activation and induced proteasome-mediated degradation in malaria. Microbial Pathogenesis. 147: 104289 **(IF 3.73)** (**Citation 3**)

92. Basak M, Mahata T, Chakraborti S, Kumar P, Bhattacharya B, Bandyopadhyay SK**,** **Das M**, Stewart A, Saha S, Maity B. (2020).Malabaricone C Attenuates Nonsteroidal Anti-

Inflammatory Drug-Induced Gastric Ulceration by Decreasing Oxidative/Nitrative Stress and Inflammation and Promoting Angiogenic Autohealing. Antioxidants and Redox Signaling. 32(11):766-784 (**IF 7.04)** (**Citation 2**)

91. Misgar, RA, Wani, A, Bankura B, Bashir M, Roy A, and **Das M.** (2019). FSH β-subunitmutations in two sisters: the first report from the Indian sub-continent and review ofprevious cases. Gynecological Endocrinology. 35. 1-4. **(IF1.406)** (**Citation 4**)

90. Mitra P, Pal D and **Das M**. (2019). Association of *TRPV5* gene polymorphism with calcium urolithiasis: a case–control study from West Bengal, India. World Journal of Urology, 38(5):1311-1322 **(IF 3.21)**

89. Guha M, Banerjee H, Mitra P and **Das M**. (2019). The Demographic Diversity of Food Intake and Prevalence of Kidney Stone Diseases in the Indian Continent. Foods, *8*(1), 37-42 **(IF 3.01)** (**Citation 5**)

88. Mitra P, Pal DK and **Das M**. (2018). Does quality of drinking water matter in kidney stone disease: A study in West Bengal, India. Investigative and Clinical Urology, 59(3):158-165. **(IF 2.47)** (**Citation 26**)

87. Mitra P, Maity B, Pal DK, **Das M.** (2018). Polymorphisms of PTH (Parathyroid Hormone) Gene and Risk of Kidney Stone Disease: A Case-Control Study from West Bengal, India. Urology. doi: 10.1016/j.urology.2018.06.033. **(IF 2.64)** (**Citation 5**)

86. Sultana Z, Bankura B, Pattanayak AK, Sengupta D, Sengupta M, Saha ML, Panda CK and **Das M**. (2018). Association of Interleukin-1 beta and tumor necrosis factor-alpha genetic polymorphisms with gastric cancer in India. Environmental and Molecular Mutagenesis, 59(7): 653-667. **(IF 3.3)** (**Citation 9**)

85. Paul S, Sadhukhan S, Munian D, Bankura B and **Das M.** (2018). Association of FOLH1, DHFR, and MTHFR gene polymorphisms with susceptibility of Neural Tube

Defects: A case controlstudy from Eastern India. Birth Defect Reseach, 110 (14): 1128-1138. **(IF 2.34)** (**Citation 6**)

84. Mitra P, Pal DK, and **Das M.** (2018). Does quality of drinking water matter in kidney stone disease: A study in West Bengal, India. Investigative and Clinical Urology, 59 (3) (17-194). **(IF 1.81)** (**Citation 26**)

83. Sadhukhan S, Paul S, Bankura B, Munian D, Ghosh S, and **Das M**. (2018). Genetic analysis of *MTR* and *MTRR* gene polymorphisms in healthy mothers from Eastern part of India. International Journal of Research and Development in Pharmacy and Life Sciences, 7(1): 2896-2900 **(IF 0.674)**

82. Maiti N, Mitra P, Maiti A, Maity B, and **Das M**. (2018). Health, Hygiene and Sanitation Practice of Santalis and Hindus in Rural Sectors of East Medinipur District, West Bengal, India: A Preliminary Survey. International Journal of Research and Development in Pharmacy and Life Sciences, 6(7): 2867-2873 **(IF 0.674)**

81. Maity B, Chakraborti S, Pramanick A, Saha S, Roy S, Chaudhuri A, **Das M**, Ghosh S and Stewart A. (2017). Atypical G protein β5 promotes cardiac oxidative stress, apoptosis, and fibrotic remodeling in response to multiple cancer chemotherapeutics. Cancer Research, 78(2): 528-541 **(IF 12.71)** (**Citation 10**)

80. Adhikary B, Bankura B, Biswas S, Paul S, and **Das M**. (2017). Absence of KCNQ4 mutation in Bengali families with ADNSHL originated from West Bengal, India. International Journal of Pediatric Otorhinolaryngology, 100: 35-38 **(IF 1.125)** (**Citation 1**)

79. Ghosh S, Bankura B, Ghosh S, Saha ML, Pattanayak AK, Ghatak S, Guha M, Nachimuthu SK, Panda CK, Maji S, Chakraborty S, Maity B, and **Das M.** (2017). Polymorphisms in *ADH1B* and *ALDH2* genes associated with the increased risk of gastric cancer in West Bengal, India. BMC Cancer, 17: 782-793 **(IF 4.40)** (**Citation 15**)

78. Mukherjee S, Guha M, Adhikary B, Bankura B, Mitra P, Chowdhury S, and **Das M.** (2017). Genetic alterations in pendrin (SLC26A4) gene in adult hypothyroid patients in eastern part of India. Hormone and Metabolic Research, 49(9): 680-686 **(IF 2.96)** (**Citation 3**)

77. Ghosh S, Ghosh S, Bankura B, Saha ML, Panda CK, Chakraborty S, and **Das M.** (2017). Polymorphisms of Cytochrome P450 2E1 gene and Gastric cancer risk: A case control study from West Bengal, India. Journal of Clinical & Medical Genomics, 5(1): 148. doi:10.4172/2472-128X.1000148 **(IF 0.58)**

76. Mitra P, Guha M, Ghosh S, Mukherjee S, Bankura B, Pal DK, Maity B, and **Das M.** (2017). Association of calcitonin receptor gene (*CALCR*) polymorphism with kidney stone disease in the population of West Bengal, India. *Gene***,** 622: 23-28 **(IF 2.31)** (**Citation 11**)

75. Roy A, Bhattacharjee R, Goswami S, Chakraborty PP, Chitra S, Thukral A, Sadhukhan S, Bankura B, **Das M**, Biswas K, and Chowdhury S. (2016). 17 alpha hydroxylase deficiency due to p.r362c mutation in two sisters from India. AACE Clinical Case Reports, 3(4): e322-e325 **(IF 2.811)** (**Citation 2**)

74. Ghatak S, Yadav RP, Lalrohlui F, Chakraborty P, Ghosh S, Ghosh S, **Das M,** Pautu JL, Zohmingthanga J, and Nachimuthu SK. (2016). Xenobiotic pathway genes polymorphism associated with gastric cancer in high risk Mizo-Mongoloid population, Northeast India. Helicobacter, 21(6): 523-535 **(IF 4.00)** (**Citation 16**)

73. Bankura B, **Das M**, Bhattacharjee R, Pattanayak AK, Adhikary B, Goswami G, Chowdhury S, and Roy A. (2016). Inter-patient variability in clinical efficacy of metformin in type 2 diabetes mellitus patients in West Bengal, India. Journal of Metabolic Syndrome, *5(2):* 198. doi:10.4172/2167-0943 **(IF 1.89)** (**Citation 4**)

72. Mitra P, Guria S, Ghosh S, Chakraborti S, Chakraborty A, Das S, Chatterjee P, Paul P, Mandal D, Chatterjee B, and **Das M**. (2016). A preliminary study of clinical manifestations

of polycystic ovary syndrome (pcos) in Kolkata. International Journal of Research and Development in Pharmacy and Life Sciences, 5(2): 2074-2079 (**IF 0.674)** (**Citation 4**)

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