

Curriculum Vitae

Dr. Parimal Dua



Father's Name : Sri Manoranjan Dua

Mother's Name : Arati Dua

Date of Birth : September 15, 1986

Academic Qualifications : M. Sc., Ph.D.

Present Designation : Part Time Teacher (Govt. Approved)

Address of the Institute : Dept. of Physiology, Ramnagar College,
P.O.- Depal, Dist.- Purba Medinipur,
West Bengal, Pin - 721453

Nationality: : Indian

Religion : Hinduism

Sex : Male

Category : General

Marital Status : Unmarried

Permanent Residential Address : Vill.+P.O.- Gouranga chak, P.S.- Moyna,
Dist.- Purba Medinipur, West Bengal, Pin – 721644

Telephone (Mobile) : +918900013114

E. mail : parimal.dua@gmail.com

Academic Qualifications:

Examination/ Degree/Experience	Council/Board /University	School/ College	Year of passing	Divison/ Class
Madhyamik (Secondary)	West Bengal Board of Secondary Education	Uttar Changrachak J S Vidyapith, Moyna	2002	1 st
Higher Secondary (+2)	West Bengal Council for Higher Secondary Education	Uttar Changrachak J S Vidyapith, Moyna	2005	1 st
B. Sc (Hons: Physiology, Pass: Botany & Zoology)	Vidyasagar University, Midnapore	Tamralipta Mahavidyalaya, Purba Medinipur	2008	2 nd
M. Sc (Physiology) Spl. Paper: Microbiology & Immunology	Vidyasagar University, Midnapore	Vidyasagar University, Midnapore	2010	1 st
Ph.D. (Title: A molecular epidemiological study of environmental and clinical isolates of <i>Vibrio cholerae</i> in Southern part of West Bengal, India.)	Vidyasagar University, Midnapore	Vidyasagar University, Midnapore	2018	-

A Review in B.Sc.: A brief Review Report on “INSOMNIA”. (2008)

A Project in M.Sc.: “Detection of Mutation in the *Pfprt* and *Pfmdrl* genes of *Plasmodium falciparum* Malaria Parasite”. (2010)

Title of the Thesis: “A molecular epidemiological study of environmental and clinical isolates of *Vibrio cholerae* in southern part of West Bengal, India “. 2018

Honors Received:

- ◆ Received Merit-cum Scholarship in the year 2009.
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Teaching Experience (Graduate Teaching 8 years +):

- ◆ Served as Part Time Teacher in Physiology and Nutrition at Ramnagar College, Depal, Purba Medinipur, West Bengal from 19th August 2010 to till now.

Research Interests:

1. Pathogenic properties of clinical and environmental isolates of *Vibrio cholerae*
2. Risk of coronary artery disease in different age groups of women

Research Experience:

1. Involved in research activity since January, 2011 till date (8 Years +).
2. Having research expertise in methods of Molecular Biology, Microbiology & Biochemistry, Community Health

Membership:

1. Life member of Indian Science Congress Association (ISCA), India.

Some Important Workshops/Refresher Courses/Orientation Program Attended:

1. Workshop for Revision of Syllabus for Honours and Pass Course of Vidyasagar University” in Physiology organized by Department of Human Physiology with Community Health and U.G. Council, Vidyasagar University on 21st February, 2014.

Conference/Seminar/Symposium Organized:

1. Served as convenor in a valuable symposium on “**Role of Homeopathy in Preventing Diseases**” Organized by Dept of Physiology, Ramnagar College with World Homeopathy Association, March 26, 2010.
2. Served as convenor in a Career counselling seminar on “**An opportunity in Higher Education and Career Building in Nutritional Sciences**” Organized by Dept of Physiology, Ramnagar College, September 12, 2012.

Administrative Responsibilities:

1. Served as Head of the Department of Physiology, Ramnagar College from 19th August, 2010 to 18th May, 2017.
2. Served as member of the Library committee, Ramnagar College from 2014 to 2017.

Other Academic Responsibilities:

1. Serve as scrutinizer, examiner for theory paper.
2. External and internal examiner for practical examinations.

Publications:

Published Papers: International

1. Biswas S., Sen S., **Dua P.**, Mukherjee P., Bhunia S. and Ghosh C. 2012. A study on virulence and signaling mechanism related to biofilm formation and EPS expression in certain *Vibrio cholerae* environmental isolates. *Global Journal of Medical Research*. 12(3): 42-53.
2. Karmakar A., **Dua P.** and Ghosh C. 2016. Biochemical and Molecular Analysis of *Staphylococcus aureus* Clinical Isolates from Hospitalized Patients. *Canadian Journal of Infectious Diseases and Medical Microbiology*. Article ID 9041636, 7 pages. (DOI: <http://dx.doi.org/10.1155/2016/9041636>)
3. **Dua P.**, Karmakar A., Dutta K. and Ghosh C. 2017. A Simple Procedure for Isolation, Identification and Characterization of *Vibrio cholerae* from Clinical Samples. *Int J Pharm Bio Sci*. 8(4):57-64. (DOI: <http://dx.doi.org/10.22376/ijpbs.2017.8.4.b57-64>)
4. Karmakar A., Jana D., Dutta K., **Dua P.** and Ghosh C. 2018. Prevalence of Panton-Valentine Leukocidin Gene among Community Acquired *Staphylococcus aureus*: A Real-Time PCR Study. *Journal of Pathogens*. Article ID 4518541, 8 pages. (DOI: <http://dx.doi.org/10.1155/2018/4518541>)
5. Biswas S., Mukherjee P., Manna T., Dutta K., Guchhait K.C., Karmakar A., Karmakar M., **Dua P.**, Panda A.K. and Ghosh C. 2018. Quorum Sensing Autoinducer(s) and Flagellum Independently Mediate EPS Signaling in *Vibrio cholerae* Through LuxO-Independent Mechanism. *Microbial Ecology*. (DOI: <https://doi.org/10.1007/s00248-018-1262-5>)
6. **Dua P.**, Karmakar A. and Ghosh C. 2018. Virulence gene profiles, biofilm formation, and antimicrobial resistance of *Vibrio cholerae* non-O1/non-O139 bacteria isolated from West Bengal, India. *Heliyon* 4 e01040. (DOI: [10.1016/j.heliyon.2018.e01040](https://doi.org/10.1016/j.heliyon.2018.e01040))
7. **Dua P.**, Jana D., Karmakar A. and Ghosh C. 2018. Biochemical and molecular analysis, antimicrobial response and pathogenicity of *Vibrio cholerae* isolates from aquatic bodies. *Journal of the Egyptian Public Health Association*. (Under review)

Published Papers: National

1. **Dua P.**, Mukherjee P., Misra S.K. and Ghosh C. 2010. Risk of Coronary Artery Disease (CAD) in Sedentary Bengali Women. *Journal of Environmental Physiology*. 3(1, 2):57-68.
2. **Dua P.**, Misra S.K., Karmakar A., Dutta K. and Ghosh C. 2016. Coronary Artery Disease (CAD) risk factors and Cardio-Respiratory fitness in pre and post-menopausal women. *Journal of BioInnovation*. 5(2):245-261.
3. Misra S.K., **Dua P.**, Mukherjee P. and Ghosh C. 2016. Prevalence of obesity and co-relationship of selected motor quality variables with body mass index and fat percentage in 5 to 12 years old school going Indian boys. *Journal of BioInnovation*. 5(6):900-913.
4. Misra S.K., Dutta K., **Dua P.** and Ghosh C. 2017. Associations of Obesity Indices with Cardiorespiratory Fitness in Bengali School Going Boys in India. *International Journal of Life Science and Scientific Research*. 3(1): 856-862.(DOI: [10.21276/ijlssr.2016.3.1.1](https://doi.org/10.21276/ijlssr.2016.3.1.1))

Conference Publications:

International:

1. **Parimal Dua**, Amit Karmakar, and Chandradipa Ghosh. Coronary Artery Disease (CAD) Risk Factors and Cardio-respiratory Fitness in pre- and post-menopausal women. Paper Presented (Poster) and Abstract Published in 100th Indian Science Congress, Kolkata University, Kolkata. January 03-07, 2013.
2. **Parimal Dua**, Amit Karmakar, Kunal Dutta and Chandradipa Ghosh. *Vibrio cholerae* isolates from aquatic bodies of Paschim Medinipur, West Bengal. Paper Presented (Poster) and Abstract Published in International Conference on Ergonomics and Human Factors in “HWWE”, Department of Human Physiology with Community Health, Vidyasagar University, WB. December 4-6, 2013.
3. **Parimal Dua**, Amit Karmakar, and Chandradipa Ghosh. Biochemical and Molecular characterization of *Vibrio cholerae* isolated from acute Diarrhoeal patients admitted in Midnapore Medical college and Hospital, West Bengal, India. Abstract Published in 101th Indian Science Congress, Jammu University, Jammu. January 03-07, 2014.
4. **Parimal Dua**, Amit Karmakar, and Chandradipa Ghosh. Virulence patterns of *Vibrio cholerae* non-O1/ non-O139 strains isolated from hospitalized diarrhoeal patients in Midnapore Medical College and Hospital, West Bengal, India. Paper Presented (Poster) and Abstract Published in DST Sponsored International Seminar on “Recent Advances in Clinical Research with a special Emphasis on BE/BE Study”, Bioequivalence Study Centre, Dept. of Pharm. Tech., Jadavpur University, Kolkata. September 11-15, 2014.
5. **Parimal Dua**, Amit Karmakar, and Chandradipa Ghosh. Molecular analysis of *Vibrio cholerae* non-O1/ non-O139 isolates from freshwater bodies of Midnapore, WB, India. Paper Presented (Poster) and Abstract Published in 102nd Indian Science Congress, Mumbai University, Mumbai. January 03-07, 2015.
6. **Parimal Dua**, Amit Karmakar, Kunal Dutta, Supriya Kumar Mishra, Chandradipa Ghosh*. Detection and molecular analysis of *Vibrio cholerae* strains isolates from Bay of Bengal in Purba Medinipur, WB. Paper Presented (Poster) and Abstract Published in XXVIIth PHYSICON-2016, 18-20 December, 2015.
7. **Parimal Dua**, Amit Karmakar, and Chandradipa Ghosh*. Pathogenicity of *Vibrio cholera* non-O1/ non-O139 isolated from environmental samples in West Midnapur, WB, India. Paper Presented (Poster) and Abstract Published in 103rd Indian Science Congress, University of Mysore, Mysore. January 03-07, 2016.
8. **Parimal Dua**, Amit Karmakar, Kunal Dutta and Chandradipa Ghosh*. Regulation of Biofilm formation in *Vibrio cholerae* non-O1/non-O139 strains isolated from environmental and clinical sources of Paschim Medinipore. Paper Presented (Poster) and Abstract Published in 104th Indian Science Congress, Sri Venkateswara University, Tirupati. January 03-07, 2017.

National:

1. **Parimal Dua**, and Chandradipa Ghosh. Detection of efflux pump activity and minimum inhibitory concentration of ampicilin against *Vibrio cholerae* non-O1/non-O139 environmental isolates. Paper Presented (Poster) in a National Seminar on “Research Methodology in Higher education”, organized by Vidyasagar University Research scholars’ Association (VURSA), Vidyasagar University, West Bengal. March 19, 2013.
2. **Parimal Dua**, Amit Karmakar, and Chandradipa Ghosh. Coronary Artery Disease (CAD) risk factors and Cardio Respiratory fitness in pre- and post-menopausal women. Paper Presented (Poster) and Abstract Published in UGC Sponsored national Seminar on “Current trends of research in Human Physiology and Community Health”, Department of Human Physiology with Community Health, Vidyasagar University, West Bengal. March 27, 2015.
3. **Parimal Dua**, Amit Karmakar, and Chandradipa Ghosh*. Pathogenicity of *Vibrio cholerae* non-O1/non-O139 isolated from Diarrheal patients admitted in Midnapur Medical College and Hospital, West Bengal, India. Paper Presented (Oral) and Abstract Published in UGC Sponsored national Seminar on “Trends of Physiological researches from Laboratory to Community”, Department of Human Physiology with Community Health, Vidyasagar University, West Bengal. March 30-31, 2016.
4. **Parimal Dua**, Amit Karmakar, and Chandradipa Ghosh. Biochemical analysis of *Vibrio cholerae* non-O1/non-O139 isolated from environmental sample of Purba Medinipur, W.B., India. Paper Presented (Oral) and Abstract Published in UGC Sponsored national Symposium on “Bioresource Managemet”, Faculty of Science, Vidyasagar University, West Bengal. 26-27th April, 2016.
5. **Parimal Dua**, Amit Karmakar, Kunal Dutta and Chandradipa Ghosh. A Simple Method for Rapid Identification of *Vibrio cholerae* from the Environment Sources. Invited lecture in One Day National Seminar on “Health Risk of Processed Food”, Ramnagar College in collaboration with Egra S.S.B. College, Purba Medinipur, West Bengal. 9th March, 2018.
6. **Parimal Dua**, Amit Karmakar, Kunal Dutta, Debarati Jana, Monalisha Karmakar, Tuhin Manna and Chandradipa Ghosh. Detection and molecular analysis of *Vibrio cholerae* strains isolates from aquatic bodies of Purba Medinipur, WB. Paper Presented (Poster) and Abstract Published in Three Day National Level Seminar on “Perspectives of Human Health, Microbial Biotechnology & Innovation”, Vidyasagar University, West Bengal. 27-29th March, 2018.

[Dr. Parimal Dua]

January, 2018