

## FACULTY PROFILE

### BASIC PROFILE

<b>Name:</b>	Dr. Parimal Dua
<b>Designation:</b>	Assistant Professor
<b>Department:</b>	Physiology
<b>Unique ID:</b>	G2010001139
<b>E-mail:</b>	parimaldua@narajolerajcollege.ac.in
<b>Contact No.:</b>	+918900013114
<b>Academic Qualification:</b>	M.Sc., Ph.D.
<b>Gender:</b>	Male
<b>Blood Group:</b>	O+
<b>Permanent Address:</b>	Vill+P.O.-Gouranga Chak, P.S.- Moyna, Dist.- Purba Medinipur, PIN.- 721644



Parimal Dua

### SERVICE HISTORY

<b>Year of Joining</b>	2019
<b>Previous Employment, if any</b>	Govt. Approved Part Time Teacher (2010-2019)
<b>Experience in Teaching</b>	<ul style="list-style-type: none"> <li>➤ Served as Part Time Teacher in Physiology and Nutrition at Ramnagar College, Depal, Purba Medinipur, West Bengal from 19<sup>th</sup> August 2010 to 13<sup>th</sup> August 2019.</li> <li>➤ Serving as Assistant Professor in Physiology at Narajole Raj College, Daspur, Paschim Medinipur, West Bengal Since 14<sup>th</sup> August 2019 to till now</li> </ul>
<b>Area of Teaching:</b>	Life Science, Nutrition
<b>Area of Specialization:</b>	Microbiology, Immunology, Molecular Biology, Biochemistry, Nervous System
<b>Participation in Administrative activities:</b> <ul style="list-style-type: none"> <li>➤ Head of the Dept., Ramnagar College (2010-2017),</li> <li>➤ Head of the Dept., Narajole Raj College (Since 2019)</li> </ul>	

### RESEARCH PROFILE



# NARAJOLE RAJ COLLEGE

(NAAC Accredited B grade)

NARAJOLE: PASCHIM MEDINIPUR: PIN-721211

Contact No.9933881131 E-Mail Id. narajolerajcollege@rediffmail.com



Area of Research Interest :	Microbiology, Molecular Biology, Cardiovascular System, Nutrition, Human Physiology		
Research Experience (if any)	9 Years		
Conference/Seminar/ Workshop Organised: Title	Year	Role	Organizer
1. Role of Homeopathy in Preventing Diseases	2010	Convenor	Dept of Physiology, Ramnagar College with World Homeopathy Association
2. An opportunity in Higher Education and Career Building in Nutritional Sciences	2012	Convenor	Dept of Physiology, Ramnagar College
3. Workshop for Revision of Syllabus for Honours and Pass Course of Vidyasagar University	2014	Member	Department of Human Physiology with Community Health and U.G. Council, Vidyasagar University
<b>Conference Publications:</b>			
<b>International:</b>			
1. <b>Parimal Dua</b> , 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 100 <sup>th</sup> Indian Science Congress, Kolkata University, Kolkata. January 03-07, 2013.			
2. <b>Parimal Dua</b> , Amit Karmakar, Kunal Dutta and Chandradipa Ghosh. <i>Vibrio cholerae</i> 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. <b>Parimal Dua</b> , Amit Karmakar, and Chandradipa Ghosh. Biochemical and Molecular characterization of <i>Vibrio cholerae</i> isolated from acute Diarrhoeal patients admitted in Midnapore Medical college and Hospital, West Bengal, India. Abstract Published in 101 <sup>th</sup> Indian Science Congress, Jammu University, Jammu. January 03-07, 2014.			



## NARAJOLE RAJ COLLEGE

(NAAC Accredited B grade)

NARAJOLE: PASCHIM MEDINIPUR: PIN-721211

Contact No.9933881131 E-Mail Id. narajolerajcollege@rediffmail.com



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 102<sup>nd</sup> 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 103<sup>rd</sup> 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 104<sup>th</sup> 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



# NARAJOLE RAJ COLLEGE

(NAAC Accredited B grade)

NARAJOLE: PASCHIM MEDINIPUR: PIN-721211

Contact No.9933881131 E-Mail Id. narajolerajcollege@rediffmail.com



Abstract Published in UGC Sponsored national Symposium on “Bioresource Managemet”, Faculty of Science, Vidyasagar University, West Bengal. 26-27<sup>th</sup> 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. 9<sup>th</sup> 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. 27-29<sup>th</sup> March, 2018.

## Projects ongoing / completed:

Title	Funding Agency	Year	Amount (Rs.)
NA	NA		

## Involvement in Academic/ Professional Organizations:

SUPERVISOR : NA

ADJUDICATOR : NA

## REVIEWER : NA

Involvement in Academic/ Professional Organizations: Society for Ethno pharmacology, India Editorial Board Member: **Life member of Indian Science Congress Association (ISCA), India.**

<b>Books :</b>	NA
<b>Chapters in Books :</b>	NA
<b>Journals:</b>	<ol style="list-style-type: none"><li>1. Biswas S., Sen S., <b>Dua P.</b>, Mukherjee P., Bhunia S. and Ghosh C. 2012. A study on virulence and signaling mechanism related to biofilm formation and EPS expression in certain <i>Vibrio cholerae</i> environmental isolates. Global Journal of Medical Research. 12(3): 42-53.</li><li>2. Karmakar A., <b>Dua P.</b> and Ghosh C. 2016. Biochemical and Molecular Analysis of <i>Staphylococcus aureus</i> Clinical Isolates from Hospitalized Patients. <i>Canadian Journal of Infectious Diseases and Medical Microbiology</i>. Article ID 9041636, 7 pages. (DOI: <a href="http://dx.doi.org/10.1155/2016/9041636">http://dx.doi.org/10.1155/2016/9041636</a>).</li><li>3. <b>Dua P.</b>, Karmakar A., Dutta K. and Ghosh C. 2017. A Simple Procedure for Isolation, Identification and Characterization of <i>Vibrio cholerae</i> from Clinical Samples. <i>Int J Pharm Bio Sci</i>. 8(4):57-64. (DOI: <a href="http://dx.doi.org/10.22376/ijpbs.2017.8.4.b57-64">http://dx.doi.org/10.22376/ijpbs.2017.8.4.b57-64</a>).</li></ol>



## NARAJOLE RAJ COLLEGE

(NAAC Accredited B grade)

NARAJOLE: PASCHIM MEDINIPUR: PIN-721211

Contact No.9933881131 E-Mail Id. narajolerajcollege@rediffmail.com



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)
7. **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.
8. **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.
9. 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.
10. 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)

Conf. Proceedings: NA

**Disclaimer:** The information on this website has been prepared with utmost care aiming at keeping all information up-to-date. The College cannot guarantee the correctness, completeness, topicality or quality of the information presented. In the event of any doubt concerning the content of the website, please contact the concerned faculty.

Last updated on: January 2020