



Dr. Shrabani Pradhan

M.Sc., PhD

Assistant Professor in Nutrition,
Department of Biological Sciences



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MIDNAPORE CITY COLLEGE

Personal Details

Date of Birth: 10.08.1987
Sex: Female
Nationality: Indian

Academic Details

Sl. No.	Degree	Specialization	Year of passing	Institution	Board/ University	% of Marks
1	Ph. D	SCIENCE	2017	JADAVPUR UNIVERSITY	JADAVPUR UNIVERSITY	NA
2	M. Sc.	NUTRITION & DIETETICS	2011	VIDYASAGAR UNIVERSITY	VIDYASAGAR UNIVERSITY	84.75
3	B.Sc.	NUTRITION	2009	VIDYASAGAR UNIVERSITY	VIDYASAGAR UNIVERSITY	75.5
4	H.S. (10+2)	ENG, BENG, GEOG, CHEM, NUTN, BIOS	2006	CONTAI HINDU GIRLS SCHOOL	WBCHSE	74.7
5	Madhyamik (10 th)	ENG, BENG, HIST, GEOG, P. SC, L. SC, MATH	2004	BAMANBARH BALIKA VIDYAMONDIR	WBBSE	78.87

Ph.D Details

PhD Thesis Title: Effect of Alpha Lipoic Acid on Acetaminophen & Environmental Toxic Pollutant (CCI4) Induced Renal Failure in Male Rats.
Guide's Name: **Dr. Dilip Kumar Nandi**, Associate Professor & HOD, Department of Physiology, Raja N.L. Khan Women's College, Midnapore, Paschim Medinipur, West Bengal.
Prof. Sukhen Das, Professor, Department of Physics, Jadavpur University, Kolkata, West Bengal.
University: **Jadavpur University**, Kolkata, West Bengal, India.
Date of Award: November 21, 2017

Teaching Experience

- As a Guest Lecturer in Dept. of Nutrition, Raja N.L. Khan Women's College, Midnapore, Paschim Medinipur – 721101, West Bengal on & from August 2011 to March, 2013.
- As an Assistant Professor in Nutrition, Department of Biological Sciences, MIDNAPORE CITY COLLEGE, Kuturiya, Bhadutala, Paschim Medinipur – 721129, West Bengal from December 01, 2017 till date.

Achievements

- B.Sc. Gold Medallist in 2009
- M.Sc. Gold Medallist in 2011
- DST INSPIRE RESEARCH FELLOW (Awarded 2013)
- Participate in 8th HOPE Meeting with 9 Noble Laureates at Tokyo, Japan on and from 2nd March to 6th March, 2016.

On Going Project

Establishment of new anti-cancer activity of peptide(s) and conjugate fatty acids CFA(s) extracted from Tapra fish (*Opisthoperus tardoore*) oil: A mechanistic study. Funded by **ICMR Govt. of India, of Rs. 24,42,476/- PI, Dr. Shrabani Pradhan**, Assistant Professor in Nutrition, Department of Paramedical & Allied Health Sciences, Midnapore City College, West Bengal, **Co PI, Dr. J Sreenivasa Rao**, Scientist E and Dy. Director, Food Chemistry Division, NIN-Hyderabad, Telengana.

Summary

I have the 8 years of past experience towards teaching and research in the field of Nutrition and Dietetics. I obtain gold medal in my under graduate and post graduate study at Vidyasagar University. I obtain DST Inspire Fellow since 2013. At present I work as an Assistant Professor in Nutrition, Biological Science Department, Midnapore City College. My expertise as Dietitian and my research interest in the field of Nutrogenomic Research, Functional Food Development, Nephroprotective Drug Development. My present work on Anti-Cancer/Anti Inflammatory Drug Development from Natural Sources. My career objective to do something for the Nation as an Academician and Scientist within my speciality & scope of works.

Teaching Interest

PG: Nutritional Biochemistry, Food Microbiology, Food Technology, Diet Therapy, Nutraceuticals and Functional Food.

UG: Human Physiology, Food Science, Diet Therapy.

Expertise

- Nutrigenomic Research
- Functional Food Development
- Formulation of Diet Chart
- Nutraceutical Research

Research Publication: Total 17

SL NO	NAME OF AUTHOR	JOURNAL NAME	TITLE OF THE PAPER	YEAR OF PUBLICATION	INDEXING
1.	Pradhan S , Panchali T, Khatun A, Paul B, Rao JS, Mondal KC, Ghosh K, Chakrabarty S	JOURNAL OF FOOD BIOCHEMISTRY	Antiobesity potentiality of Tapra fish (<i>Opisthopterus tardoore</i>) oil	2020	Wiley
	Chakraborty S, Paul K, Mallick P, Pradhan S , Das K, Chakrabarti S, Nandi DK and Bhattacharjee P	JOURNAL OF NUTRITIONAL SCIENCE	Antioxidant synergies in supercritical carbon dioxide extracts of mustard and small cardamom seeds lower serum cholesterol level in rats: New leads for therapeutic foods	2019	Cambridge University Press, SJIF, Google Scholar, Index Copernicus, Indian Science Publications
2.	Pradhan S , Roy S, Das K, Nandi DK	INTERNATIONAL JOURNAL OF PHARMA AND BIO SCIENCES	Ameliorative effect of alpha lipoic acid on CCl4 induced kidney damage of male albino rats	2019	SJIF, Google Scholar, Index Copernicus, Indian Science Publications
3.	Roy S, Pradhan S , Das K, Mandal S, Nandi D.	ACTA BIOLOGICA SZEGEDIENSIS	Nephroprotective efficacy of Asparagus racemosus root extract on acetaminophen-induced renal injury in rats	2018	SCImago
4.	Mandal S, Patra A, Pradhan S , Roy S, Samanta A, Das K, Chattopadhyay A, Nandi D	INTERNATIONAL JOURNAL OF PHARMACY AND PHARMACEUTICAL SCIENCES	Nephro-protective activity of isolated methanol fractions phyto compound from bark of Terminalia arjuna.	2017	SCOPUS, SCImago, SJIF, Google Scholar, Index Copernicus
5.	Pradhan S , Roy S, Mandal S, Das K, Das S, Nandi DK	EUROPEAN JOURNAL OF BIOMEDICAL AND PHARMACEUTICALS CIENCES.	Protective Effect of Alpha-lipoic Acid on Hepato Renal Toxicity on Acetaminophen induced uremic Male Albino Rat.	2016	SJIF, Google Scholar, Index Copernicus, Indian Science Publications
6.	Mandal S, Samanta A, Patra A, Pradhan S , Roy S, Mandal A, Mahapatra TD, Das K, Chattopadhyay A, Nandi DK	INTERNATIONAL JOURNAL RESEARCH AYURVEDA PHARMACY	A Comparative assessment of phytochemical screening, antioxidant and antimicrobial activities between leaf and dust of black tea extracts	2016	EMBASE , CABI , HINARI , Google Scholar
7.	Das K, Roy S, Mandal S, Pradhan S , Debnath S, Ghosh D, Nandi DK.	INTERNATIONAL JOURNAL OF RECENT SCIENTIFIC RESEARCH.	Renal protection by isolated phyto compounds from Terminalia arjuna bark fraction on dehydration induced uremia, oxidative stress and kidney disease rats.	2016	Science Citation Index Expanded (also known as Sci Search), Journal Citation Reports/Science Edition, Biotechnology Citation Index
8.	Pradhan S , Roy S, Mandal S, Samanta A, Patra A, Das K, Das S & Nandi DK	INTERNATIONAL JOURNAL OF PHARMACEUTICAL SCIENCES REVIEW AND RESEARCH.	Alpha-Lipoic Acid A Cholesterol Reducer for Targeting Acetaminophen Induced Uremic Male Albino Rat Models.	2014	SJIF, Google Scholar, Index Copernicus, Indian Science Publications, SCOPUS, Elsevier's SCImago
9.	Pradhan S , Mandal S, Roy S, Mandal A, Das K, Nandi DK	SAUDI PHARMACEUTICAL JOURNAL	Attenuation of Uremia By Orally Feeding Alpha –Lipoic Acid On Acetaminophen Induced Uremic Male Rats.	2013	ELSEVIER, EMBASE, Science Citation Index, Scopus, Web of Science, Directory of Open Access Journals (DOAJ)

10.	Roy S, Pradhan S , Das K, Mandal S, Mandal A, Patra A, Samanta A, Sinha BD, Nandi DK	JOURNAL OF BIOLOGICAL SCIENCES	Acetaminophen induced kidney failure in rats: A dose response study.	2015	SCOPUS, SCIMAGO, GOOGLE SCHOLAR, EMBASE
11.	Patra A, Mandal A, Samanta A, Roy S, Mandal S, Pradhan S , Das Mahapatra T, Mondal KC, Nandi DK.	INDIAN JOURNAL OF BIOTECHNOLOGY.	Therapeutic potential effect of <i>Streptococcus thermophilus</i> (MTCC 1938) on acetaminophen induced uremic male rats.	2014	Science Citation Index Expanded (also known as Sci Search), Journal Citation Reports/Science Edition, Biotechnology Citation Index
12.	Roy S, Das K, Mandal S, Pradhan S , Patra A, Samanta A, Mandal A, Kar S, Nandi DK.	INTERNATIONAL JOURNAL OF RECENT SCIENTIFIC RESEARCH.	<i>Asparagus Racemosus</i> Roots Ameliorates Acetaminophen Induced Hepatotoxicity in Rats: An Experimental, Biochemical and Histological Study.	2014	Science Citation Index Expanded (also known as Sci Search), Journal Citation Reports/Science Edition, Biotechnology Citation Index
13.	Samanta A, Mandal A, Patra A, Mandal S, Roy S, Pradhan S , Das K & Nandi DK	INTERNATIONAL JOURNAL OF CURRENT MICROBIOLOGY AND APPLIED SCIENCES	Impact of probiotic supplementation on intestinal micro flora of rat under environmental hypobaric pressure	2014	National Academy of Agricultural Sciences (NAAS), GOOGLE SCHOLAR, OAJI
14.	Mandal S, Patra A, Samanta A, Roy S, Mandal A, Mahapatra TD, Pradhan S , Das K, Nandi DK.	ASIAN PACIFIC JOURNAL OF TROPICAL BIOMEDICINE,	Analysis of phytochemical profile of <i>Terminalia arjuna</i> bark extract with antioxidative and antimicrobial properties.	2014	ELSEVIER
	Roy S, Das K, Mandal A, Mandal S, Pradhan S , Nandi DK	INTERNATIONAL JOURNAL OF PHARMACEUTICAL SCIENCE AND RESEARCH	Crude extract from root of <i>Asparagus racemosus</i> ameliorates acetaminophen induced uremic rats	2014	Thomson Reuters, Web of Science - Emerging Sources Citation Index, SCImago Journal & Country rank, PubMed (Selected citations), EMBASE -Elsevier, Scopus.
15.	Mandal A, Paul T, Roy S, Mandal S, Pradhan S , Mandal KC and Nandi DK	INDIAN JOURNAL OF EXPERIMENTAL BIOLOGY	Free Radicals Scavenging Activity of Newly Isolated <i>Lactobacillus Ingulvie</i> ADK10 From The Intestinal Tract Of Chicken	2013	Science Citation Index, Expanded, Scopus, Google Scholar, AGRICOLA, NAAS
16.	Mandal A, Roy S, Das K, Mandal S, Pradhan S , Mandal KC and Nandi DK	E-SPEN JOURNAL	Assessment of efficacy of a potential probiotic strain and its antiuremic and antioxidative activities	2013	ELSEVIER
17.	Mandal A, Paul T, Roy S, Mandal S, Pradhan S , Das K, Mandal KC and Nandi DK	BIOLOGIA	Therapeutic potential of <i>Lactobacillus ingulvie</i> ADK10, a newly established probiotic organism against acetaminophen induced uremic rats	2013	Springer