



VIDYASAGAR COLLEGE
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Name - Dr. Alok Ghosh Chaudhuri

1	Name	Dr. Alok Ghosh Chaudhuri		
2	Designation	Associate Professor in Physiology		
3	Mail ID	ghoshchaudhuralok@gmail.com		
4	Contact No	9830546964		
5	Date of Joining	22.03.1997		
Academic qualifications				
6	Degree	Subject	University	Year
	Ph.D.	Physiology	University of Calcutta	1996
	M.Sc.	Physiology	University of Calcutta	1987
	B.Sc.(Hons)	Physiology	University of Calcutta	1985
PH.D. DETAILS				
7	Title of the Thesis	<i>Escherichia coli heat-stable enterotoxin (STa) induced signal transduction in rat intestinal epithelial cells</i>		
	Field of specialization under subject/ discipline	<i>Microbial Pathogenesis</i>		
8	PREVIOUS POSITIONS/Engagement	<i>Kindly see the 'Annexure-1' below</i>		
9	Google scholar page:	<i>NA</i>		
10	ORCID ID	<i>0000-0003-4601-4486</i>		
11	HONOURS AND AWARDS	<i>Kindly see the 'Annexure-2' below</i>		
12	CURRENT RESEARCH PROJECT/Field of Research	<i>Neuroscience and Biochemistry</i>		
13	TECHNICAL UNDERSTANDING AND EXPERIENCE	<i>NA</i>		
14	SUMMARY OF RESEARCH EXPERIENCE	<i>Actively engaged in Research Work since 1993 till date. Recognised as a Ph.D. Supervisor in the Department of Physiology and Biochemistry, University of Calcutta in 2018</i>		
15	EXPERIENCE OF PROJECT MANAGEMENT	<i>NA</i>		
16	COMPLETE LIST OF PUBLICATIONS	<i>Kindly see the 'Annexure-3' below</i>		
17	Extracurricular Activities	<i>Kindly see the 'Annexure-4' below</i>		
18	Link to personal website (if any)	<i>NA</i>		

Annexure-1

Year	Previous Positions/Engagement
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2005-2006	Guest Teacher of M.Sc. in Zoology, Vidyasagar College
2007-2016	Guest Teacher of M.Sc. in Physiology, Rammohan College
2015-2017	Guest Teacher of M.Sc. in Physiology, Serampore College
2015-Present	Member of the Undergraduate Board of Studies in Physiology, Midnapore College, Midnapore.
2016	Member of the Undergraduate Board of Studies in Physiology, Kazi Nazrul University
2017	Chairman for the Technical Session on Physiology in the 24 th West Bengal State Science and Technology Congress
2017-Present	Guest Teacher of M.Sc. in Neuroscience, of S.N. Pradhan Centre for Neurosciences, University of Calcutta
2018	Expert for the Technical session on Physiology in 25 th west Bengal State Science and Technology Congress
2018	Elected Fellow of the Indian Chemical Society.
2018	Programme Coordinator of State Level Workshop cum Seminar on Emerging Trends in Biomedical Sciences jointly organized by the Association of Biomedical Sciences, Kolkata and Vidyasagar College, Kolkata.
2018-Present	Guest Teacher of M.Sc. in Physiology, (For the Special Paper: Neurophysiology) University of Calcutta
2019	Expert for the Technical session on Physiology in 26 th west Bengal State Science and Technology Congress
2019	Guest Teacher of M.Sc. in Sports Science, University of Calcutta
2020	Elected Fellow of the Institution of Chemists (India)
2021	Founder Fellow of the Physiological Society of India (FPSI)
2024	Fellow of Indian Association of Biomedical Scientists (FABMS)

Annexure - 2

Year	Honour/Award
1985	Ranked 1 st Class 2 nd in B.Sc.
1987	Ranked 1 st Class 2 nd in M.Sc.
1985-1987	Awarded the National Merit Scholarship from Govt. of India
1988	Qualified in the Joint Council of Scientific and Industrial Research(CSIR) - University Grant Commission (UGC) National Eligibility Test Govt. of India.
1989-1992	Awarded the Junior Research Fellowship of UGC
1992-1993	Awarded the Senior Research Fellowship of UGC
1994-1995	Awarded the Senior Research Fellowship of CSIR
1995-1997	Awarded the Research Associateship of CSIR
1996	Awarded Prof. P.B. Sen Memorial Research Prize by the Physiological Society of India
2003-2023	Member of the Undergraduate Board of Studies in Physiology

Annexure - 3

Published Research Papers in Journals and Books

Sl. No.	Title of the Paper/Book with page no.s	Journal/Book ISSN/ISBN no./DOI	Co-authors	Authorship
1	Evidence for protein kinase C stimulation in rat enterocytes pretreated with heat stable enterotoxin of <i>Escherichia coli</i> , FEMS Microbiol. Lett., (PubMed), Vol. 110, 1993(185-189)	DOI 10.1111/j.1574-6968.1993.tb06318.x [PubMed],	P. C. Sen and U. Ganguly	1st
2	Alteration of the microenvironment in plasma membranes of the rat enterocytes after <i>Escherichia coli</i> heat stable enterotoxin treatment: Effect on protein kinase C activity, Biochem. Mol. Biol. Int., [PubMed] Vol. 35, 1995(567-574)		P. C. Sen and U. Ganguly	1st
3	Evidence for stimulation of the inositol triphosphate- Ca ²⁺ -signaling system in rat enterocytes by heat stable enterotoxin of <i>Escherichia coli</i> , Biochim. Biophys. Acta (Mol. Cell.Res), Vol. 1267, 1995(131-133)	DOI 10.1016/0167-4889(95)00055-w [PubMed]	U. Ganguly	1st
4	Comparison of cytosolic levels of calcium and G actin in diffuse and localized adherent <i>Escherichia coli</i> -infected Hela cells, FEMS Microbiol. Lett., Vol. 135, 1996(245-249)	DOI 10.1111/j.1574-6968.1996.tb07996.x [PubMed]	S. Karmaker and U. Ganguly	2nd
5	Binding of <i>Escherichia coli</i> heat -stable enterotoxin and rise of cyclic GMP in COLO 205 human colonic carcinoma cells, FEMS Microbiol. Lett., Vol. 156, 1997(79-83)	DOI 10.1111/j.1574-6968.1997.tb12708.x [PubMed]	J. Bhattacharya, A. K. Sinha, A. K. Samanta and M. K. Chakrabarti	2nd
6	Heat stable enterotoxin (STa) of <i>Escherichia coli</i> induces intestinal secretion by stimulating the inositol triphosphate-Ca ²⁺ -protein kinase C signaling system in Cytokines: Cholera and the Gut, edited by Keusch, G.T. and Kawakami, M., IOS Press, USA, 1997(281-288)	90-5199-298X	U. Ganguly	2nd
7	STa-induced translocation of Protein kinase C from cytosol to membrane in rat enterocytes, FEMS Microbiol. Lett. Vol. 204, 2001(65-69)	DOI 10.1111/j.1574-6968.2001.tb10864.x [PubMed]	U. Ganguly, A. Basu and P. Sen	2nd
8	Musculoskeletal disorders among carpenters: Ergonomics for Everyone, edited by S. Gangopadhyay, HWWE 2009, India, 2011(100-107)	978-81-910303-1-0	R. Biswas, A. Chattopadhyay, and A. Samanta	2nd
9	Rudiments of Biology, Academic Publishers, India, 2011	978-93-80599-09-0	A.Goswami and S. Pal	1st
10	Assessment of cardiac strain in small-scale aluminium casting works, Int. J. Occup. Safety and Health, Vol. 2, 2012(8-13)	DOI 10.3126/ijosh.v2i2.6565	R. Biswas, A. K. Chattopadhyay and A. K. Samanta	2nd
11	Praramvik Jibvidya (in Bengali), Academic Publishers, India, 2012	978-93-80599-24-3	A.Dutta	1st
12	Alterations in cerebrocortical synaptosomal acetylcholinesterase activity and histomorphology of thyroid gland of adult rat during different thyroidal conditions, Indian J. Exp. Biol., Vol. 55, 2017(201-208) [PubMed]		N. Chakrabarti, S. Datta, D. Samanta and A. K. Ray	4th
13	Anthropometric correlates of anaerobic power, Biomedicine, Vol. 38, 2018(126-131) [Scopus]		R. Biswas	2nd
14	Ghum Sriti O Aabeg (in Bengali), Avenel Press, India, 2018	978-93-80736-54-9	R. Biswas	1st
15	Life style issues in adolescence: With special emphasis on nutritional behaviour: Life Style Disorders, edited by S. Puri, Akhand Publishing House, India, 2019(122-132)	978-93-88998-08-6	R. Biswas and N. S. Pathania	2nd
16	A study of the socio-demographic profile and morbidity pattern among the clay artisans of Kolkata, India. Biomedicine, Vol. 39, 2019(425-430) [Scopus]	DOI 10.51248/.v39i3.161	R. Biswas and A. Samanta	2nd
17	Physiological assessment of occupational work load of washer men in relation to age, Biomedicine, Vol. 39, 2019(66-73) [Scopus]		R. Biswas and S. Ghosh	2nd
18	Sex and estrous cycle dependent changes in locomotor activity, anxiety and memory performance in aged mice after exposure of light at night, Behav. Brain. Res., vol. 365, 2019(198-209),	DOI 10.1016/j.bbr.2019.03.015 [PubMed]	S. Datta, D. Samanta, B. Tiwary and N. Chakrabarti	4th
19	Matrix metalloproteinase 9 as a host protein target of chloroquine and melatonin for immunoregulation in COVID-19: A network-based metaanalysis, Life Sci., Vol. 257, 2020(118096-118108)	DOI 10.1016/j.lfs.2020.118096 [PubMed]	S. Hazra, B. K. Tiwary and N. Chakrabarti	2nd
20	Leptin and obesity, Physiol. Int., vol. 107 no. 4, 2020(455-468)	DOI 10.1556/2060.2020.00038 [PubMed]	M. Seth, R. Biswas, S. Ganguly and N. Chakrabarti	5th

21	Guanylin and uroguanylin: a promising nexus in intestinal electrolyte and fluid homeostasis, J Physiol Pharmacol, Vol. 72, no. 5, 2021(667-676)	DOI 10.26402/jpp.2021.5.02 [PubMed]	S. Samanta	2nd
22	Herbal supplementation for the treatment of Parkinson's disease: Bioprospecting of Medicinal Plants, edited by Paul, S., Published by Angelia Publishers, Kolkata, India, 2022(24-37)		S. Dutta and N. Chakrabarti	2nd
23	Integrated network-based multiple computational analyses for identification of co-expressed candidate genes associated with neurological manifestations of COVID-19, Sci Rep., Vol. 12, 2022(17141-17157)	DOI 10.1038/s41598-022-21109-3 [PubMed]	S. Hazra, B. K. Tiwary B.K. and N. Chakrabarti	2nd
24	Occupational Health in Practice: Heart Rate Profile of the Lathe Machine Workers', Indian J Occup Environ Med., Vol. 27, 2023(31-37)	DOI 10.4103/ijoem.ijoem_108_22 [PubMed]	S. Ghosh, B. K. Maji and R. Biswas	1st
25	Role of Alpha-fetoprotein in pathogenesis of Cancer', J Environ Pathol Toxicol Oncol., 2023	DOI 10.1615 /JEnvironPatholToxicol Oncol. 2023049145 [PubMed]	S. Samanta, M. Dey, N. S. Raviraja and S. Dey	1st

Annexure - 4

Sl. No.	Administrative/Professional Experiences/Affiliations
1	<i>Head of the Department of Physiology, Vidyasagar College (1997-2001)</i>
2	<i>Co-ordinator of the Department Food and Nutrition, Vidyasagar College (2007-Present)</i>
3	<i>Head of the Department of Physiology, Vidyasagar College(2009-2011)</i>
4	<i>Member of the Governing Body, Vidyasagar College(2015-2021)</i>
5	<i>Head of the Department of Physiology, Vidyasagar College(2018-2021)</i>
6	<i>Life Member of the Society of Biological Chemists, India(1990-present)</i>
7	<i>Member of the Association of Microbiologists of India(1991-1993)</i>
8	<i>Life Member of the Indian Science Congress Association(1995-present)</i>
9	<i>Life Member of the Physiological Society of India(1995-present)</i>
10	<i>Life Member of the Indian Science News Association(2006-present)</i>
11	<i>Life Member of the Indian Association of Biomedical Scientists(2017-present)</i>
12	<i>Life Member of the Association of Physiologists and Pharmacologists of India (2018-present)</i>
13	<i>Life member of the Zoological Society, Kolkata (2018-present)</i>
14	<i>Life Member of the Institution of Chemists (India) (2020-present)</i>