




Netaji Satabarshiki Mahavidyalaya

Affiliated to West Bengal State University

Faculty Profile

	Name	Dr. ABHIRUP DATTA
	Designation	SACT-I
	Department	MATHEMATICS
	Mobile	8116649297
	Email	abhirupdatta@nsmashoknagar.ac.in
	Biography	
	Academic Interest	MATHEMATICAL BIOLOGY
	VIDWAN Profile	
	ORCID Profile	

Educational Qualification(In chronological order from latest to Graduation level)

TESTIMONIAL	Specialization	Qualification (In chronological order from latest to Graduation level)	College / University	Year	Subject (s) / Topic (s)
	MATHEMATICAL BIOLOGY	Ph.D.	JADAVPUR UNIVERSITY	2016	MATHEMATICS
	MATHEMATICAL BIOLOGY	Post Graduation	JADAVPUR UNIVERSITY	2010	APPLIED MATHEMATICS
	MATHEMATICS (H)	Graduation	JADAVPUR UNIVERSITY	2008	MATHEMATICS, STATISTICS, COMPUTER SCIENCE
		GATE	JADAVPUR UNIVERSITY	2012	MATHEMATICAL SCIENCES

Academic/Teaching Experience & responsibilities (In chronological order from latest to oldest)

Post	Organization / College / University	Duration : From Date	Duration : To Date	Experience (In Years and Months)
STATE AIDED COLLEGE TEACHERS - I	NETAJI SATABARSHIKI MAHAVIDYALAYA	2020-01-01	2025-04-08	5 YEARS 3 MONTHS

Scholarly Achievements : Contribution to Journals and Books

Document Attach	Duration of Contribution	Contribution to Journals and Books	Details of Journals and Books
	6 YEARS	Editorships	MATHEMATICAL MODELS FOR THERAPEUTIC APPROACHES TO CONTROL PSORIASIS, SPRINGER BRIEFS IN APPLIED SCIENCES AND TECHNOLOGY, ISBN: 978-981-13-9019-7
	3 YEARS	Editorships	IMPACT ON THE MEDIA AND COMMUNICATION ON TODAYS SOCIETY: DIVERSE PERSPECTIVES, PUBLISHED BY: ANU BOOKS, ISBN: 978-93-90115-38-9
	6 MONTHS	Editorships	SCINTIA. PUBLISHED BY: NETAJI SATABARSHIKI MAHAVIDYALAYA

Scholarly Achievements : Publications in recognized professional and / or academic journals

Journal / Book Title	Year	Author	URL	Doi	Volume	Page No.	Editor	Publisher
SCINTIA	2022	Abhirup Datta	VIEW (https://scintia.in/)		1(1)	17-21	Dr. Anwasha Dasgupta	Netaji Satabarshiki Mahavidyalaya
Communication in Mathematical Biology and Neuroscience	2017	Priti Kumar Roy, Xue-Zhi Li, Dibyendu Biswas, Abhirup Datta	VIEW (https://scik.org/index.php/cmbn)	ISSN 2052-2541	2017 (8)	1 - 17	Lansun Chen	SCIK Publishing Corporatio
Energy, Ecology and Environment	2016	Ezio Venturino, Priti Kumar Roy, Fahad Al Basir, Abhirup Datta	VIEW (https://link.springer.com/journal/40974)	ISSN 2363-7692	1 (6)	360 - 369	Bin Chen	Springer
African Journal of Pure and Applied Mathematics	2016	Abhirup Datta, Dipak Kumar Kesh , Priti Kumar Roy	VIEW (https://journal.ku.ac.ke/index.php/AJPAS/index)	ISSN 2710-0758	3 (1)	1-11	Dr. Rebecca Karanja	Strathmore University

Journal of Systems Science and Complexity	2016	Xianbing Cao, Abhirup Datta, Fahad Al Basir, Priti Kumar Roy	VIEW (https://link.springer.com/journal/11424)	ISSN 1009-6124.	29	1 - 20	Xiao-Shan Gao, Jie Chen	Springer Science and Business Media
International Journal of Mathematical, Engineering and Management Sciences	2016	Dibyendu Biswas, Abhirup Datta, Priti Kumar Roy	VIEW (https://www.ijmems.in/index.php)	e ISSN 2455-7749	1 (3)	139 - 149	Mangey Ram	Ram Arti Publishers, India
International Journal of Evolution Equations	2015	Abhirup Datta, Priti Kumar Roy	VIEW (https://ilo.primo.exlibrisgroup.com)	ISSN 1549-2907	9 (3)	233 - 245		
Communication in Mathematical Biology and Neuroscience	2015	Priti Kumar Roy, Xue-Zhi Li, Fahad Al Basir, Abhirup Datta, Jahangir Chowdhury	VIEW (https://www.scik.org/index.php/cmbn)	ISSN 2052-2541	2015 (36)	1 - 21	Lansun Chen	SCIK Publishing Corporation
Mathematical Sciences International Research Journal	2014	Abhirup Datta, Xue-Zhi Li, Priti Kumar Roy	VIEW (http://imrf.in/)	ISSN 2278-8697	3 (1)	452 - 456		IMRF publications
Mathematical Sciences International Research Journal	2014	Nikhilesh Sil, Abhirup Datta, Sudip Samanta, Sabyasachi Bhattacharya, Priti Kumar Roy	VIEW (http://imrf.in/)	ISSN 2278-8697	3 (1)	447 - 451		IMRF publications
Mathematics in Engineering, Science and Aerospace	2014	Abhirup Datta, Priti Kumar Roy	VIEW (https://nonlinearstudies.com)	ISSN 2041-3165	5 (2)	165 - 174	Seenith Sivasundaram	Cambridge Scientific Publishers

SOP Transactions on Applied Mathematics (AM)	2014	Dibyendu Biswas, Dipak Kesh, Abhirup Datta, Amar Nath Chatterjee, Priti Kumar Roy	VIEW (https://www.sciencegate.app/source/256375)	ISSN 2373-8472	1 (2)	44 -54	Amar Chatterjee	Scientific Online Publishing, Co., Ltd.
BIOMATH	2013	Priti Kumar Roy, Abhirup Datta	VIEW (http://biomath.math.bas.bg)	10.11145/j.biomath.2012.12.101	Volume 2, 1212101	1 - 6	ROUMEN ANGUELOV	
American Journal of Mathematics and Sciences	2013	Priti Kumar Roy, Abhirup Datta	VIEW (http://www.ajms.yolasite.com)		2 (1)	133 - 140		
American Journal of Mathematics and Sciences	2013	Priti Kumar Roy, Abhirup Datta, Nikhilesh Sil, Sourav Rana, Sumit Nandi	VIEW (http://www.ajms.yolasite.com)		2(1)	123 - 131		
RESEARCH ON EVOLUTION EQUATIONS COMPENDIUM	2013	PRITI KUMAR ROY, JHUMPA BHADRA, ABHIRUP DATTA	VIEW (HTTPS://NOVAPUBLISHERS.COM/SHOP/RESEARCH-ON-EVOLUTION-EQUATIONS-COMPENDIUM-VOLUME-2/)	ISBN: 978-1-61942-917-8	2	321 - 343	GASTON M. N'GUEREKATA	NOVA SCIENCE PUBLISHERS
JOURNAL OF NONLINEAR EVOLUTION EQUATIONS AND APPLICATIONS	2013	PRITI KUMAR ROY, ABHIRUP DATTA	VIEW (HTTPS://WWW.JNEEA.COM)	ISSN 2161-3680	2013(3)	23 - 42	GASTON M. N'GUEREKATA	Nova Science Publishers

Control and Cybernetics	2013	Abhirup Datta, Priti Kumar Roy	VIEW (http://control.libspan.waw.pl:3000/mainpage/index)	ISSN 0324-8569	42 (2)	365 - 386	Zbigniew Nahorski	Systems Research Institute of the Polish Academy of Sciences
African Diaspora Journal of Mathematics	2013	Priti Kumar Roy, Abhirup Datta, Sourav Rana	VIEW (https://projecteuclid.org)	ISSN 1539-851X	15 (2)	35 - 46	Toka Diagana	Systems Research Institute of the Polish Academy of Sciences
NONLINEAR STUDIES	2013	PRITI KUMAR ROY, JAYANTA MONDAL, ABHIRUP DATTA, SOURAV RANA	VIEW (HTTPS://WWW.NONLINEARSTUDIES.COM)	ISSN 1359 - 8678	20 (2)	251 - 261	SEENITH SIVASUNDARAM	CAMBRIDGE SCIENTIFIC PUBLISHERS
Bulletin of Calcutta Mathematical Society	2013	Priti Kumar Roy, Sourav Rana, Abhirup Datta, Nikhilesh Sil, Sabyasachi Bhattacharya	VIEW (https://www.calmathsociety.co.in/cmsPublications.html)	ISSN 0008-0659	105 (5)	333 - 348	Koushik Ghosh	Calcutta Mathematical Society
International Journal of Applied Mathematics	2012	Priti Kumar Roy, Abhirup Datta	VIEW (https://www.diogenes.bg/ijam)	ISSN 1311-1728	Volume 25, No. 2	233 - 254	VIRGINIA KIRYAKOVA	ACADEMIC PUBLICATIONS
ACTA ANALYSIS FUNCTIONALIS APPLICATA	2011	PRITI KUMAR ROY, ABHIRUP DATTA, AMAR NATH CHATTERJEE	VIEW (https://www.sciengine.com/AAFA)	10.3724/SPJ.1160.2011.00310	VOLUME 13, NO. 3	310 - 318	YANG MINGZHU	CHINA SCIENCE PUBLISHING AND MEDIA LIMITED

Document Attach	Activity Date	Date	Title of Conference or Institution	Level	Title/Subject of presentation (if made)
	2018-01-09	2018-01-09	International Conference on Mathematical Analysis and Application in Modelling (ICMAAM 2018), Department of Mathematics, Jadavpur University	International	Half-Saturation Mechanism in Psoriasis under Fractional Framework
	2015-12-09	2015-12-09	International Conference on Nonlinear Dynamics, Analysis and Optimization (ICNDAO 2015), Department of Mathematics, Jadavpur University	International	Mathematical Framework on T-Cell Proliferation with Negative Feedback Approach towards Psoriatic System
	2015-11-19	2015-11-19	National Conference on Mathematical and Theoretical Biology (NCMTB 2015), Department of Mathematics, Jadavpur University	National	Insight of Half-Saturation Constant in Psoriatic Mechanism: A Mathematical Perceptive
	2015-04-24	2015-04-24	National-Level Seminar on Recent Trends in Applicable Mathematics, The Bhawanipur Education Society College, Kolkata in collaboration with Indian Association for Productivity, Quality and Reliability, Kolkata	National	The Half-Saturation Effect with Fractional Derivative in Psoriasis: A Memory Based Mathematical Study
	2015-01-30	2015-01-30	International Conference on Emerging Areas of Mathematics for Science and Technology (ICEAMST 2015) in conjunction with 12th Annual Conference of the Indian Society of Industrial and Applied Mathematics, Department of Mathematics, Punjabi University, Patiala, Punjab	International	Mathematical Study on Immunopathogenic Mechanism of Psoriasis in Presence of CD4+ T-Cells and CD8+ T-Cells
	2014-11-21	2014-11-21	India Biodiversity Meet 2014 (IBM 2014), Agricultural and Ecological Research Unit, Indian Statistical Institute	International	
	2014-11-17	2014-11-17	International Conference on Dynamical Systems and Mathematical Biology (ICDSMB 2014), Department of Mathematics, Jadavpur University	International	Mathematical Modeling with Half-Saturation Approach in Psoriatic Pathogenesis using Fractional Derivative
	2014-11-01	2014-11-01	International Conference on Nonlinear Dynamics and its Applications in Physical and Biological Sciences (CNDAPBS 2014), Darjeeling Government College, Darjeeling	International	Effect of CD4+ T-Cells and CD8+ T-Cells on Immunopathogenic Mechanism of Psoriasis: A Mathematical Study
	2014-10-16	2014-10-16	International Conference on Geometry and its Applications (ICGA 2014), Department of Mathematics, Jadavpur University	International	
	2014-09-16	2014-09-16	Workshop on R Programming for Researchers and Students, Agricultural and Ecological Research Unit, Indian Statistical Institute, Kolkata	National	
	2014-03-20	2014-03-20	International Conference on Mathematics & Engineering Sciences 2014 (ICMES 2014), Chitkara School of Applied Sciences, Chitkara University, Himachal Pradesh	International	Drug Therapy between T-Cells and DCs reduces the Excess Production of Keratinocytes: Causal Effect of Psoriasis
	2014-03-12	2014-03-12	NATIONAL SEMINAR ON RECENT DEVELOPMENTS IN MATHEMATICS AND ITS APPLICATIONS, DEPARTMENT OF PURE MATHEMATICS, UNIVERSITY OF CALCUTTA	National	
	2014-02-20	2014-02-20	National Conference on Mathematical and Theoretical Biology (NCMTB 2014), Jadavpur University, Kolkata	National	Mathematical Avenues to Control the Chronic Skin Disease Psoriasis
	2014-02-14	2014-02-14	International Seminar on Molecular Biology and its applications held at Department of Life Science and Biotechnology, Jadavpur University, Kolkata	International	

2014-01-09	2014-01-09	National Conference on Non-Linear Dynamics, Analysis and Optimization 2014 (NDAO 2014), Department of Mathematics, Jadavpur University, Kolkata	National	
2013-10-24	2013-10-24	International Conference on Mathematical Techniques in Engineering Applications 2013 (ICMTEA 2013), Graphic Era University, Dehradun	International	Effect of Half-Saturation in Psoriatic Pathogenesis using Fractional Derivative: A Mathematical Study
2013-09-06	2013-09-06	National Seminar to Commemorate the Sesquicentennial Birth Anniversary of SIR ASUTOS MOOKERJEE (1864-1924) (NSAM 2013), Calcutta Mathematical Society, Kolkata	National	
2013-03-14	2013-03-14	INDIA BIODIVERSITY MEET 2013 (IBM 2013), INDIAN STATISTICAL INSTITUTE, KOLKATA	International	INTERACTIONS BETWEEN T-CELLS AND DENDRITIC CELLS IN IMMUNOPATHOGENIC MECHANISM OF PSORIASIS: A CONTROL THEORETIC APPROACH
2013-02-27	2013-02-27	National Conference on Emerging Trends in Physics of Fluids and Solids 2013 (NCETPFS 2013), Department of Mathematics, Jadavpur University, Kolkata	National	
2012-12-12	2012-12-12	CONFERENCE IN NUMBER THEORY, DEPARTMENT OF MATHEMATICS, JADAVPUR UNIVERSITY, KOLKATA	National	
2012-01-11		International Conference on Dynamical System 2012 (ICDS 2012), Jadavpur University, Kolkata	International	

Research Projects

Client/Organization's Name	Nature of Project	Duration of Project	Amount of Grant (Rupees)
JADAVPUR UNIVERSITY	CSIR (REF. NO. 38(1320)/12/EMR-II, DATED 3RD APRIL, 2012)	4 YEARS 5 MONTHS	12 LAKHS

Research Experience

Course/Position	Organization	Experience in year & month
PhD	JADAVPUR UNIVERSITY	4 YEARS 5 MONTHS

Membership in Professional Bodies

Name of Professional Body	Member Type	Awarded Year
THE INDIAN SCIENCE CONGRESS ASSOCIATION, KOLKATA	SESSIONAL MEMBER	2013 - 2014
CALCUTTA MATHEMATICAL SOCIETY, KOLKATA	ANNUAL MEMBER	2013 - 2014
BIO-MATHEMATICAL SOCIETY OF INDIA, KOLKATA	LIFE MEMBER	2014 ONWARDS