



DR. NIJAMUDDIN ALI

Designation: Assistant Professor in Mathematics

DOB: 02/11/1983

DOJ: 09/10/2010 (Katwa College)

21/12/2019 (Vivekananda Mahavidyalaya)

Academic qualification:

Examination	Board/University	Year of passing
<i>Ph.D.</i>	<i>Visva-Bharati</i>	<i>2015</i>
<i>M.Ed.</i>	<i>IGNOU</i>	<i>2013</i>
<i>B.Ed.</i>	<i>Visva-Bharati</i>	<i>2007</i>
<i>M.Sc.</i>	<i>Visva-Bharati</i>	<i>2006</i>
<i>B.Sc.</i>	<i>Visva-Bharati</i>	<i>2004</i>
<i>H.S.</i>	<i>WBCHSE</i>	<i>2001</i>
<i>Secondary</i>	<i>WBBSE</i>	<i>1999</i>

Thesis title: **Studies on Nonlinear Dynamics of Some Food Chain Models**

List of Publications:

Sl. No.	Authors' Name	Title	Journal	Vol. & Issue No.	Page No.	ISSN	Year	Impact Factor
1	Absos Ali Shaikh, Harekrishna Das, Nijamuddin Ali	Complex dynamics of an eco-epidemic system with disease in prey species	International Journal of Bifurcation and Chaos	Vol.18, No. 2	2150046 (1-16)	1793-6551	2021	2.469
2	Krishnendu Sarkar, Nijamuddin Ali , Lakshmi Narayan Guin	Dynamical complexity in a tritrophic food chain model with prey harvesting	<i>Discontinuity, Nonlinearity and Complexity</i>	Vol.10, No. 4	705-722	2164-6414	2021	0.34
3	Krishnendu Sarkar, Nijamuddin Ali , Lakshmi Narayan Guin	Fear effect in a tri-trophic food chain model with Holling type IV functional response	Journal of Environmental Accounting and Management	Vol. 9, No. 3	235-253	2325-6206	2021	0.63
4	Krishnendu Sarkar, Nijamuddin Ali ,	Qualitative analysis of	<i>International Journal of</i>	Vol.18, No. 2	13-27	2455-6432	2021	

	Benukar Mondal, Lakshmi Narayan Guin	an interacting species model with Beddington- DeAngelis functional response	<i>Engineering and Future Technology</i>					
5	Nijamuddin Ali	Study of sex ratio in India and state- wise analysis	<i>Review of Research</i>	Vol.8, No. 7		2249- 894X	2019	5.7631
6	Nijamuddin Ali, Santabrata Chakravarty	An one prey- two predator model with prey harvesting	<i>International Journal of Ecology and Development</i>	Vol.34, No. 4	35-51	0973- 7308	2019	
7	Nijamuddin Ali, Krisnendu Sarkar, Lakshmi Narayan Guin	Ratio- dependent predator-prey model with Qiwu's growth for prey	<i>International Journal of Ecological Economics and Statistics</i>	Vol.40, No. 3	50-58	0973- 7537	2019	
8	Nijamuddin Ali, Krisnendu Sarkar, Lakshmi Narayan Guin	A predator- prey model with Crowley- Martin response for predation	<i>International Journal of Ecological Economics and Statistics</i>	Vol.40 , No. 2	38-38	0973- 7537	2019	
9	Absos Ali Shaikh, Harekrishna Das, Nijamuddin Ali	Study of Predator-prey model with modified Leslie-Gower and Holling type III Schemes	Modelling Earth Systems and Environment	Vol. 4	527-533	2363- 6211	2018	
10	Nijamuddin Ali, Aminuddin Ali	The relationship among secondary level students' mathematics anxiety in the district of burdwan	<i>International Journal of Research in Management and Social Science</i>	Vol. 6, No. 1		2322- 0899	2018	3.42
11	Nijamuddin Ali, Benukar Mondal, Lakshmi Narayan Guin, Santabrata Chakravarty	Dynamics of species in a two preys-one predator model system with help	<i>International Journal of Mathematics and Computation</i>	Volume 29, No. 1	106 - 121	0974- 570X	2018	
12	Absos Ali Shaikh,	Study of LG-	<i>Journal of</i>	<i>Volume</i>	<i>1-21</i>	1598-	2017	

	Harekrishna Das, Nijamuddin Ali	Holling Type-III predator-prey model with disease in predator	<i>Applied Mathematics and Computing</i>	55		5865		
13	Nijamuddin Ali , Santabrata Chakravarty, Ezio Venturino,	Dynamics of a tri-trophic ratio-dependent food chain model with intra-specific competition within the top predator	<i>Computers in Biology and Medicine</i>	Volume 85	63-74	0010-4825	2017	1.953
14	Nijamuddin Ali	A Food Chain Model with Strong Allee Effect in Prey	<i>International Journal of Science and Research</i>	Volume 5 Issue 10	1533 - 1537	2319-7064	2016	6.391
15	Nijamuddin Ali , Atiar Rahaman, Nandan Paul, Itika Ghosh, Sk Rased Ali	ICT awareness among the secondary students	<i>Golden Research Thoughts</i>	Volume 6 Issue 6		2231-5063	2016	4.6052
16	Nijamuddin Ali , A. Thakur, S. Das, A. Rahaman, I. Ghosh, N. Malakar, A. Ghosh, S. R. Ali, T. Ghosh,	A study on attitude towards mathematics of secondary students in the district of burdwan	<i>Golden Research Thoughts</i>	Volume 6 Issue 3		2231-5063	2016	4.6052
17	Krisnendu Sarkar, Nijamuddin Ali	A prey predator model with Holling type-IV functional response	<i>International Journal of Research on Social and Natural Sciences</i>	Vol. 1, Issue 1	24-34	2455-5916	2016	
18	Nijamuddin Ali	Turing instability in simple food chain model	<i>International Journal of Research on Social and Natural Sciences</i>	Vol. 1, Issue 1	105-110	2455-5916	2016	
19	Nijamuddin Ali	Stability and bifurcation of prey predator model with Qiwu's growth rate for prey	<i>International Journal of Mathematics and Computation</i>	Vol. 27, No. 2	30-39	0974-570X	2016	
20	Nijamuddin Ali , Santabrata Chakravarty	Consequence of prey refuge in a tri-trophic prey-dependent food chain model with	<i>Journal of Applied Nonlinear Dynamics</i>	Vol. 5, Issue 2	199-219	2164-6473	2016	0.37

		intra-specific competition						
21	Nijamuddin Ali, Santabrata Chakravarty	Dynamic complexity of a three species competitive food chain model with inter and intra-specific competition.	<i>International Journal of Mathematical Modelling & Computations</i>	Vol. 5. No. 4	347-360	2228-6233	2015	
22	Nijamuddin Ali, Santabrata Chakravarty	Stability and bifurcation analysis of a three species competitive food chain model system incorporating prey refuge	<i>International Journal of Ecological Economics and Statistics</i>	Vol. 36, No. 2	12-38	0973-7537	2015	
23	Nijamuddin Ali, Santabrata Chakravarty	Global behaviour of a food chain model consisting of two different predator species.	<i>International Journal of Mathematics and Computation</i>	Vol. 26, No. 3	1-19	0974-570X	2015	
24	Nijamuddin Ali, Santabrata Chakravarty	Stability analysis of a food chain model consisting of two competitive preys and one predator,	<i>Nonlinear Dynamics</i>	Vol. 82, No. 3,	1303-1316	1573-269X	2015	3.464
25	Nijamuddin Ali, Santabrata Chakravarty	Analyses of tri-trophic food chain model consisting of intra-specific competition among predators.	Elsevier Science & Technology Publication		45-55	978-93-5107-250-8	2014	
26	Mainul Haque, Nijamuddin Ali, Santabrata Chakravarty	Study of a tri-trophic prey-dependent food chain model of interacting	<i>Mathematical Bioscience</i>	Vol. 246 No.1	55–71	0025-5564	2013	1.49

		populations						
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PAPER PRESENTED IN INTERNATIONAL CONFERENCE

1. Presented paper entitled "**Stability analysis of a food chain model consisting of two competitive prey and one predator**" in "**International Conference on Revisiting Ancient Mathematics & Mathematical Sciences (ICRAMMS-2015)**", Department of Mathematics, University of Burdwan, West Bengal, India during February 18-20, 2015.
2. Presented paper entitled "**Dynamic complexity of a competitive food chain model**" in "**1st International Conference on Mathematics and its Applications (ICMA-2015)**", Mathematics Discipline, Khulna University, Khulna, Bangladesh on December 23, 2015.
3. Presented paper entitled "**Study of a food chain model with team help**" in "**International Conference on Exploring Advances in Mathematical Sciences 2017**", Department of Mathematics, University of Gour Banga, West Bengal, India during March 23-24, 2017.
4. Presented paper entitled "**Ratio-dependent prey-predator model with Qiwu's growth for prey**" in "**International Conference on Mathematics and its Applications (ICMA-2018)**", Department of Mathematics, University of Burdwan, West Bengal, India during February 15-17, 2018.
5. Presented paper entitled "**Challenge of Teacher Education in 21st Century**" in "**International Seminar on Globalization and Paradigm Shift in Teacher Education**", Rajendra Academy for Teachers' Education, West Bengal, India on March 31, 2019.

PAPER PRESENTED IN NATIONAL SEMINAR

1. Presented paper entitled "**Study of tri-trophic food chain model of interacting populations**" in "**National Seminar on Mathematics & Applications (NSMA-2011)**" organised by Department of Mathematics, University of Burdwan, West Bengal, India during February 24-25, 2011.
2. Presented paper entitled "**Global stability of ratio-dependent food chain model with Holling type-II response**" in National Seminar on "**Analysis of Nonlinear Systems (ANS-2011)**", organised by the Department of Mathematics, Visva-Bharati, Santiniketan, West Bengal, India during March 26-27, 2011.
3. Presented paper entitled "**Analysis of tri-trophic food chain model with two different predators**" in National Seminar on "**Nonlinear Aspects of Analysis and Algebra (NAAA-2012)**", organised by the Department of Mathematics, Visva-Bharati, Santiniketan, West Bengal, India during March 24-25, 2012.

4. Presented paper entitled "**Stability analysis of tri-trophic food chain model and its application to biological control**" in National Seminar on "**Mathematics & Applications (NSMA–2012)**", organised by the Department of Mathematics, University of Burdwan, West Bengal, India during February 28-29, 2012.
5. Presented paper entitled "**Dynamical complexity due to competition in a food chain model consisting of two competitive prey and one predator**" in National Seminar on "**Recent Perspectives on Nonlinear Mathematics & its Application (RPNMA–2014)**", organised by the Department of Mathematics, Visva-Bharati, Santiniketan, West Bengal, India during March 25–26, 2014.
6. Presented paper entitled "**Analysis of tri-trophic food chain model consisting of intra-specific competition among predators**" in Workshop and Symposium on "**Applied Nonlinear Dynamics and Chaos (ANDC–2014)**", jointly organised by Government College of Engineering & Textile Technology, Berhampore and Dumkal Institute of Engineering & Technology, Basantapur, Murshidabad, West Bengal, India during May 26-31, 2014.
7. Presented paper entitled "**Dynamical behaviour of a prey-predator model with Qiwu's growth for prey**" in National Seminar on Recent Developments of **Mathematics and its Applications (NSRDMA–2016)**", organised by the Department of Mathematics, University of Kalyani, West Bengal, India during February 21-22, 2016.
8. Presented paper entitled "**The relationship among secondary level students' mathematics anxiety in the district of Burdwan**" in "**National Seminar on Mathematics & Applications (NSMA–2018)**", organised by the Department of Mathematics, University of Kalyani, West Bengal, India during February 22-23, 2018.
9. Presented paper entitled "**Comparison between mathematics syllabus for secondary schools**" in "**7th National Conference on Mathematics Education (NCME–2018)**", organised by the Department Education in Science and Mathematics, NCERT, India during December 20-22, 2018.

WORKSHOP/SYMPOSIUM/SEMINAR ATTENDED

1. Attend the Seminar on Mathematics Phobia: Its Genesis and Remedies (MPGR-2010), organised by Department of Mathematics, Siksha-Bhavana, Visva-Bharati, Santiniketan, West Bengal during February 13-15, 2010.
2. Attend the Seminar on Mathematics for Nonlinear System (MNS-2010), organised by Department of Mathematics, Siksha-Bhavana, Visva-Bharati, Santiniketan, West Bengal during March 20-21, 2010.

3. Attend the Seminar on Science and Nature: Tagore's Vision and its Relevance , organised by Siksha-Bhavana, Visva-Bharati, Santiniketan, West Bengal during March 12-13, 2011.
4. Attend the Seminar on Current Trends in Indian Mathematics (CTIM-2012), organised by Department of Mathematics, Maharajadhiraj Uday Chand Women's College, Burdwan, West Bengal on March 22, 2012.
5. Attend the Workshop on Modification of Teacher Education Curriculum, organised by Department of Education (IASE), University of Kalyani, Nadia, West Bengal during December 12-19, 2012.
6. Attend the Seminar on Mathematics for Nonlinear Systems, organised by Department of Mathematics, Siksha-Bhavana, Visva-Bharati, Santiniketan, West Bengal during March 17-18, 2013.
7. Attend the Seminar on Mathematics and its Applications, organised by Department of Mathematics, Siksha-Bhavana, Visva-Bharati, Santiniketan, West Bengal during March 30-31,2013.
8. Attend the Workshop on Ensuring Quality in B.Ed. Programme through ODL Mode in West Bengal, organised by Netaji Subhas Open University, West Bengal on October 31,2013.
9. Attend the Workshop on Mathematics Teaching Under Semester System at Under Graduate Level: Perspectives & Strategies , organised by Centre for Mathematics Education (Institute of Science), Siksha-Bhavana, Visva-Bharati, Santiniketan, West Bengal during March 1-2, 2014.

REVIEWER OF REPUTED INTERNATIONAL JOURNALS

- Applied Mathematics and Computation
- International Journal of Biomathematics
- International Journal of Research on Social and Natural Sciences,
- International Journal of Dynamics and Control
- International Journal of Ecological Economics and Statistics,
- International Journal of Mathematics and Computation.

Last updated on 28/07/2021