

# Sudip Samanta

## List of Publications by Year in descending order

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54  
papers

1,385  
citations

331670

21  
h-index

361022

35  
g-index

54  
all docs

54  
docs citations

54  
times ranked

545  
citing authors

#	ARTICLE	IF	CITATIONS
1	Impact of Predator Signals on the Stability of a Predatorâ€™Prey System: A Z-Control Approach. <i>Differential Equations and Dynamical Systems</i> , 2022, 30, 451-467.	1.0	4
2	Spatiotemporal dynamics of Leslieâ€™Gower predatorâ€™prey model with Allee effect on both populations. <i>Mathematics and Computers in Simulation</i> , 2022, 200, 32-49.	4.4	11
3	Complex Dynamics of a Three-Species Food Chain Model with Fear and Allee Effect. <i>International Journal of Bifurcation and Chaos in Applied Sciences and Engineering</i> , 2022, 32, .	1.7	7
4	A mathematical study of a crop-pestâ€™natural enemy model with Z-type control. <i>Mathematics and Computers in Simulation</i> , 2021, 187, 468-488.	4.4	13
5	Dynamics of a stage-structured predator-prey model: cost and benefit of fear-induced group defense. <i>Journal of Theoretical Biology</i> , 2021, 528, 110846.	1.7	26
6	Effects of incubation and gestation periods in a preyâ€™predator model with infection in prey. <i>Mathematics and Computers in Simulation</i> , 2021, 190, 449-473.	4.4	3
7	A systematic study of autonomous and nonautonomous predatorâ€™prey models with combined effects of fear, migration and switching. <i>Nonlinear Dynamics</i> , 2021, 103, 2125-2162.	5.2	10
8	Chaos in a nonautonomous eco-epidemiological model with delay. <i>Applied Mathematical Modelling</i> , 2020, 79, 865-880.	4.2	21
9	Delay induced multiple stability switch and chaos in a predatorâ€™prey model with fear effect. <i>Mathematics and Computers in Simulation</i> , 2020, 172, 134-158.	4.4	56
10	Disease control through removal of population using Z-control approach. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2020, 548, 123846.	2.6	4
11	Impact of fear on an eco-epidemiological model. <i>Chaos, Solitons and Fractals</i> , 2020, 134, 109718.	5.1	29
12	A nonautonomous model for the effect of environmental toxins on plankton dynamics. <i>Nonlinear Dynamics</i> , 2020, 99, 3373-3405.	5.2	21
13	Fear Induced Stabilization in an Intraguild Predation Model. <i>International Journal of Bifurcation and Chaos in Applied Sciences and Engineering</i> , 2020, 30, 2050053.	1.7	15
14	Dynamics of a discrete-time system with Z-type control. <i>Zeitschrift Fur Naturforschung - Section A Journal of Physical Sciences</i> , 2020, 75, 609-620.	1.5	0
15	STUDY OF A PREDATORâ€™PREY MODEL WITH PEST MANAGEMENT PERSPECTIVE. <i>Journal of Biological Systems</i> , 2019, 27, 309-336.	1.4	9
16	Effect of hunting cooperation and fear in a predator-prey model. <i>Ecological Complexity</i> , 2019, 39, 100770.	2.9	112
17	A Mathematical Model for the Effects of Nitrogen and Phosphorus on Algal Blooms. <i>International Journal of Bifurcation and Chaos in Applied Sciences and Engineering</i> , 2019, 29, 1950129.	1.7	4
18	A Three Species Food Chain Model with Fear Induced Trophic Cascade. <i>International Journal of Applied and Computational Mathematics</i> , 2019, 5, 1.	1.6	42

#	ARTICLE	IF	CITATIONS
19	Backward bifurcation, oscillations and chaos in an eco-epidemiological model with fear effect. Journal of Biological Dynamics, 2019, 13, 301-327.	1.7	36
20	EFFECT OF TIME DELAY IN A CANNIBALISTIC STAGE-STRUCTURED PREDATORâ€“PREY MODEL WITH HARVESTING OF AN ADULT PREDATOR: THE CASE OF LIONFISH. Journal of Biological Systems, 2019, 27, 447-486.	1.4	4
21	Fear effect in prey and hunting cooperation among predators in a Leslie-Gower model. Mathematical Biosciences and Engineering, 2019, 16, 5146-5179.	1.9	61
22	Stability and Bifurcation Analysis of a Three-Species Food Chain Model with Fear. International Journal of Bifurcation and Chaos in Applied Sciences and Engineering, 2018, 28, 1850009.	1.7	127
23	Chaos Control in a Two Prey and One Predator System with Predator Switching. Advances in Intelligent Systems and Computing, 2018, , 435-441.	0.6	0
24	A cannibalistic eco-epidemiological model with disease in predator population. Journal of Applied Mathematics and Computing, 2018, 57, 161-197.	2.5	8
25	Study of an epidemic model with Z-type control. International Journal of Biomathematics, 2018, 11, 1850084.	2.9	9
26	A simple SI-type model for HIV/AIDS with media and self-imposed psychological fear. Mathematical Biosciences, 2018, 306, 160-169.	1.9	43
27	Study of an eco-epidemiological model with Z-type control. Chaos, Solitons and Fractals, 2018, 113, 197-208.	5.1	18
28	Role of Bi-Directional Migration in Two Similar Types of Ecosystems. Mathematics, 2018, 6, 36.	2.2	7
29	A strategy for a disease-free system- an eco-epidemiological model based study. Journal of Applied Mathematics and Computing, 2017, 55, 563-590.	2.5	3
30	The Impact of Constant Immigration on a Tri-trophic Food Chain Model. International Journal of Applied and Computational Mathematics, 2017, 3, 3615-3644.	1.6	16
31	Effect of multiple delays on the dynamics of cannibalistic preyâ€“predator system with disease in both populations. International Journal of Biomathematics, 2017, 10, 1750049.	2.9	6
32	An Eco-Epidemiological Model with Different Competition Coefficients and Strong-Allee in the Prey. International Journal of Bifurcation and Chaos in Applied Sciences and Engineering, 2017, 27, 1730027.	1.7	19
33	Effect of Multiple Delays in an Eco-Epidemiological Model with Strong Allee Effect. International Journal of Bifurcation and Chaos in Applied Sciences and Engineering, 2017, 27, 1750167.	1.7	17
34	Optimal harvesting and complex dynamics in a delayed eco-epidemiological model with weak Allee effects. Nonlinear Dynamics, 2017, 87, 1553-1573.	5.2	43
35	Effects of awareness program and delay in the epidemic outbreak. Mathematical Methods in the Applied Sciences, 2017, 40, 1679-1695.	2.3	18
36	THE ROLE OF ADDITIONAL FOOD IN A PREDATORâ€“PREY MODEL WITH A PREY REFUGE. Journal of Biological Systems, 2016, 24, 345-365.	1.4	24

#	ARTICLE	IF	CITATIONS
37	Complex dynamics of an eco-epidemiological model with different competition coefficients and weak Allee in the predator. <i>Chaos, Solitons and Fractals</i> , 2016, 91, 270-285.	5.1	43
38	A delayed prey-predator system with prey subject to the strong Allee effect and disease. <i>Nonlinear Dynamics</i> , 2016, 84, 1569-1594.	5.2	36
39	A delayed eco-epidemiological system with infected prey and predator subject to the weak Allee effect. <i>Mathematical Biosciences</i> , 2015, 263, 198-208.	1.9	31
40	A Model Based Theoretical Study on Cannibalistic Prey-Predator System with Disease in Both Populations. <i>Differential Equations and Dynamical Systems</i> , 2015, 23, 327-370.	1.0	17
41	Existence and global stability of positive periodic solution of tri-trophic food chain with middle predator migratory in nature. <i>Applied Mathematical Modelling</i> , 2015, 39, 4285-4299.	4.2	5
42	Cannibalistic Predator-Prey Model with Disease in Predator - A Delay Model. <i>International Journal of Bifurcation and Chaos in Applied Sciences and Engineering</i> , 2015, 25, 1550130.	1.7	22
43	Chaos control via feeding switching in an omnivory system. <i>BioSystems</i> , 2015, 138, 18-24.	2.0	15
44	The impact of diffusive migration on ecosystem stability. <i>Chaos, Solitons and Fractals</i> , 2015, 78, 317-328.	5.1	14
45	Stability and Bifurcation Analysis of a Three-Species Food Chain Model with Delay. <i>International Journal of Bifurcation and Chaos in Applied Sciences and Engineering</i> , 2015, 25, 1550123.	1.7	38
46	Awareness programs control infectious disease - Multiple delay induced mathematical model. <i>Applied Mathematics and Computation</i> , 2015, 251, 539-563.	2.2	83
47	The effect of nanoparticles on plankton dynamics: A mathematical model. <i>BioSystems</i> , 2015, 127, 28-41.	2.0	16
48	CONTROL OF DISEASE IN PREY POPULATION BY SUPPLYING ALTERNATIVE FOOD TO PREDATOR. <i>Journal of Biological Systems</i> , 2014, 22, 677-690.	1.4	10
49	Revisited Hastings and Powell model with omnivory and predator switching. <i>Chaos, Solitons and Fractals</i> , 2014, 66, 58-73.	5.1	32
50	Effect of awareness program in disease outbreak - A slow-fast dynamics. <i>Applied Mathematics and Computation</i> , 2014, 237, 98-109.	2.2	30
51	Mathematical modeling of cascading migration in a tri-trophic food-chain system. <i>Journal of Biological Physics</i> , 2013, 39, 469-487.	1.5	22
52	Effect of awareness programs by media on the epidemic outbreaks: A mathematical model. <i>Applied Mathematics and Computation</i> , 2013, 219, 6965-6977.	2.2	107
53	EFFECT OF KAIROMONE ON PREDATOR-Prey DYNAMICS - A DELAY MODEL. <i>International Journal of Biomathematics</i> , 2013, 06, 1350035.	2.9	13
54	Fish kairomones, its benefits and detriments: A model based study both from releaser and acceptor perspective. <i>Ecological Complexity</i> , 2011, 8, 258-264.	2.9	5