



DR. TARUN PRADHAN

Designation: -	Associate Professor of Mathematics
Qualification: -	M.Sc., Ph.D.
Specialization: -	Bio-Mathematics
Teaching Experience: -	Acted as a lecturer in Mathematics in the college of Engineering and Management Kolaghat from 24.08.1998 to 30.04.2001. Joined in this college as lecturer in Mathematics on 02.05.2001 and acting as full-time teacher till date.
Research Experience: -	From the year 1994 till date
Thesis Title: -	Mathematical modelling of some problems in the management of exploited biological resources

List of Publications:-

1. Bioeconomic modeling of a single species fishery with Gompertz law of growth. Journal of Biological Systems (World Scientific Publishing Company, Singapore) Vol. 6, No. 4 (1998), 393-409.
2. A dynamic reaction model of a two species fishery with taxation as a control instrument: A capital theoretic analysis. Ecological Modelling (Elsevier)

3. Bioeconomic harvesting of schooling fish species: A dynamic reaction model. Korean Journal of Computational and Applied Mathematics, Vol. 6, No. 1, 127 – 141 (1999). (Korean Society for Computational and Applied Mathematics, Korea).
4. Bioeconomic modeling of selective harvesting in an Inshore-offshore fishery. Differential Equation and Dynamical Systems. Vol. 7, No. 3, July 1999, 305-320.
5. Harvesting of a prey-predator fishery with low predator density. Proc. Nat. Acad. Sci. India, 73(A), IV, 2003.
6. A dynamic reaction model of an inshore-offshore fishery with taxation as a control instrument. International Organization of Science and Research Journal of Mathematics (IOSR-JM), Vol. 10, 2014, 13-20.
7. Regulation of combined harvesting of an inshore-offshore fishery by taxation. International Journal of Science and Research (IJSR), Vol. 4, No. 5, May, 2015, 456-461.
8. A dynamic reaction model of selective harvesting in a single species fishery with taxation as a control instrument. International Journal of advancement in Engineering technology, Management and Applied Science (IJAETMAS), Vol. 3, Issue 8, August, 2016, 50-58.
9. Dynamics of an exploited prey-predator fish species with Beddington-DeAngelis functional response. International Journal of Scientific & Engineering Research, Vol. 7, Issue 9, September, 2016, 652-657.

Participation in the Refresher Course/Orientation Programme: -

- Participated in the Orientation Programme for the College and University Teachers from 28th January to 4th March, 2003, organized by UGC-Academic Staff College, Jadavpur University.

- Attended a UGC sponsored Refresher Course in Mathematics from 26.06.2007-14.07.2007, organized by UGC-Academic Staff College, Jadavpur University.
- Attended a UGC sponsored Refresher Course in Mathematics from 8th – 27th September, 2008, organized by UGC-Academic Staff College, University of Calcutta.

Seminar / Conference attended: -

- Participated in the Mini School on Introductory Astronomy and Astrophysics from 4th-8th February, 2004, organized by the Department of Physics and ITPC, Kalyani, Govt. Engg. College in Collaboration with IUCAA, Pune and IUCAA reference Centre, NBU.
- Participated in a National Seminar on Mathematical Modelling: Theory and Practice from 25th to 26th March, 2004, organized by Department of Mathematics, Jadavpur University.
- Attended a UGC sponsored seminar on "Sustainable Development; Looking Back and Looking Ahead" organized by Sammilani Mahavidyalaya, on 29th and 30th November, 2004.
- Participated in a UGC sponsored National Conference on "Role of Experiments in the Development of Physics" on 18th and 19th September, 2007, organized by the Department of Physics, Dinabandhu Andrews College.
- Attended a UGC sponsored National level seminar on Mathematics in daily life on 29-30th August, 2008, organized by the department of Mathematics, New Alipore College, Kolkata
- Attended UGC sponsored National Seminar on Differential Equations: Modelling, Analysis and Computation, held on March 2nd - 3rd, 2011, organized by Department of Applied Mathematics, University of Calcutta.
- Participated in the UGC Sponsored State level Seminar on Some Perspectives of Higher Mathematics in the Light of U.G. Curriculum, held on 22nd July, 2011, organized by Rarnkrishna Mission Residential College (Autonomous), Narendrapur in collaboration with Dinadandhu Andrews College, Garia,
- Attended UGC sponsored National Level Seminar, held on November 18th – 19th, 2011, organized by Department of Commerce and Economics, Dinabandhu Andrews College, Garia, Kolkata.

- Participated in the UGC Sponsored National Seminar on Modern Biology and its impact on public health, on 18th January, 2012, organized by Department of Microbiology, Molecular Biology and Zoology, Dinabandhu Andrews College, Garia, Kolkata.
- Participated in the UGC Sponsored State Level Seminar on Present Day Mathematics and its application held on 30th January, 2015, organized by K.K. Das College, Kolkata.
- Participated in the Seminar on Science for nation building, held on 22nd December, 2015, organized by Department of Microbiology, Dinabandhu Andrews College, Garia, Kolkata.

Participation in College Administration: -

- Convenor of Leave & Service Book Sub Committee.
- Joint convenor of P.F. Sub Committee.

Academic Activities: -

- External examiner for practical examination of Calcutta University in every year.
- Examiner of different papers of Calcutta University in every year
- Scrutinizer of different papers of Calcutta University in every year

Membership in Central Bodies/Committees: -

Life member of Indian Science Congress Association.