

Dr. Pradip Kumar Kar
Professor, Department of Zoology
Ex-Dean, Faculty Council of Post Graduate Studies in Science, Technology
and Vocational Studies, and
Ex-Controller of Examinations (Officiating)
Cooch Behar Panchanan Barma University
India



✦ **More than 25 years of research experience –**

AI applications in neurodegenerative / life threatening / parasitic diseases as well as in agriculture, and veterinary science, Classical Parasitology, Autoimmune diseases, Drugs from Plant-derived compounds, Anthelmintics, Nanoneurobiology, Nanogold/Nanosilver as therapeutics, Neurobiology of invertebrates, Immuno-cytochemistry / Immuno histochemistry, Trematodes / Cestodes of fishes, Amphibian helminths, Microbiology, Hookworm - prevalence and control, Molecular biology, biochemistry, enzymology, amino acid analysis, electron microscopy, chromatography (TLC, HPLC), execution of research projects for Govt. of India and Italy

- ✦ Has keen interest in biological sciences research, enjoys developing and executing research at own initiative and as part of a scientific team and is flexible. Possess good communication skills, have the ability to deal with a variety of people, including students and is fully adept in various computer skills.

Current projects

- a) **Collaborative project with University of Connecticut and University of Kansas, as per the MOU signed between University of Connecticut and Jhargram Raj College – Research on tapeworms of sharks, skates and sting rays of Bay of Bengal. (2013-2018)**
- b) Major Research Project funded by Council of Scientific and Industrial Research (C.S.I.R.), India – **Control of helminth parasites of veterinary and medical importance (2008-2011)** sanction no. 37 (1330)/08/EMR-II (Completed)
- c) Joint Research Project with Institute of Parasitology, Academy of Sciences of Czech Republic – **Systematics and Phylogeny of helminthes from fresh water and marine fishes.** (2008-2013) ASCR Grant Nos. Z60220518 and LC 522, Project Nos. 524/08/0885 and 206/09/H026
- d) Italy-India Executive Programme of Scientific and Technological Co-operation For the years 2008-2010, Joint Research Project with University of Modena and Reggio Emilia, Italy – **Nanotechnology Applications in Neurotransmission in Invertebrates** Sanction no. INT / ITALY / HFB-3/35 /2008-2010
- e) Joint Research Project with University of Calcutta – Efficacy of nanogold and nanosilver as anthelmintics. (under process, submitted to DST, India)

- ✦ Signed with National Pingtung University of Science and Technology, Taiwan, 2019
- ✦ Signed with National Dong Hwa University, Taiwan, 2019
- ✦ Signed with University of Connecticut, USA, 2013
- ✦ Signed with Institute of Parasitology, Ceske Budejovice, Czech Republic, 2009,2011

Post Doctoral Fellow

- ✦ University of Modena and Reggio Emilia, Italy, under Prof. Dario Sonetti - 2006 to 2007.

Current and Previous appointment

- a) **Professor and Head**, Department of Zoology, Cooch Behar Panchanan Barma University, June 2021 till May 2023
- b) **Dean**, Faculty Council of Post Graduate Studies in Science, Technology and Vocational Studies, CBPBU
- c) **Professor**, Department of Zoology, Cooch Behar Panchanan Barma University, Since 31.05.2019
- d) **Professor and Head**, Department of Zoology, Cooch Behar Panchanan Barma University, Since 30.01.2018 till 30.05.2019
- e) **Controller of Examinations (Actg.)**, Cooch Behar Panchanan Barma University, for six months w.e.f. 29.03.2017
- f) **Associate Professor and Head**, Department of Zoology, Cooch Behar Panchanan Barma University, from 08.11.2016 to 29.01.2018
- g) **Assistant Professor** in West Bengal Educational Service in Deptt. of Zoology, Maulana Azad College, Kolkata (University of Calcutta), since Nov. 2014.
- h) Previously worked as **Assistant Professor** in West Bengal Educational Service in Post Graduate Deptt. of Zoology, Jhargram Raj College under Govt. of West Bengal. From July 2007 till Nov 2014.
- i) Previously worked as a **Lecturer** in Post Graduate Deptt. of Zoology, Darjeeling Govt. College. From May 2005 till Nov 2006.

Supervising and guiding Ph.D. students

Total number of students who completed Ph.D. and got awarded – 2 (**Anirban Ash, Currently Assistant Professor, University of Burdwan**) and **Rima Majumdar (Currently Post Doc in USA)**

Submitted thesis: Netri Datta, Visva Bharati University

Total number of students who completed Ph.D. - 3

Total number of students currently working for a Ph.D. – 9

Registered for Ph.D. – Cooch Behar Panchanan Barma University – Rachita Saha, Manjil Gupta, Sourav Mukherjee (Completed Course Work), Subrata Saha, Alolika Bose
Vidyasagar University - Sanatan Murmu, Dinesh Das.

Regular Scholar: Surovi Roy, Sulogna Chanda

Member of Ph.D. Board formed by University of South Bohemia. Attended the Ph.D. defence of Anirban Ash in June 2012 in Ceske Budejovice, Czech Republic.

Teaching experience

Professor, Department of Zoology, Cooch Behar Panchanan Barma University, from Jan 2018 till date

Associate Professor, Department of Zoology, Cooch Behar Panchanan Barma University, from Nov 2016 to Jan 2018

Lecturer in Post Graduate Department of Zoology in Darjeeling Govt. College,

External examiner appointed by the North Bengal University, Actively involved in the preparation of M.Sc. syllabus from 2005 till 2006

Assistant Professor in West Bengal Educational Service, Govt. of West Bengal, posted in Post Graduate Department of Zoology, Jhargram Raj College, from 17th July 2007 till 25th Nov 2014. Actively involved in conducting Theoretical / Practical Exam of M.Sc / B.Sc, preparation of M.Sc./B.Sc. syllabus from 2007 till 2014 and publishing model question bank of the university.

Assistant Professor in West Bengal Educational Service, Govt. of West Bengal, posted in Department of Zoology, Maulana Azad College, from 26th Nov 2014 till date. Actively involved in conducting Theoretical / Practical Exam of M.Sc / B.Sc., preparation of M.Sc./B.Sc. syllabus from 2014 till 2016 (CBCS).

Total Post Graduate teaching experience - More than thirteen years

Total Under Graduate teaching experience – More than thirteen years

Collaborators

Currently I have collaborations with the following labs for my ongoing research –

- 1) **Prof. Tomas Scholz**, Director, Institute of Parasitology, ASCR, Czech Republic
- 2) **Prof. Janine Caira**, University of Connecticut, USA
- 3) **Prof. Veena Tandon**, North-Eastern Hill University, Shillong, Meghalaya
- 4) **Prof. Kirsten Jensen**, University of Kansas, USA
- 5) **Dr. Anutosh Chakraborty**, Scripps Research Institute, Jupiter, Florida, USA
- 6) **Dr. Nirup Bikash Mondal**, IICB, Kolkata
- 7) **Dr. Alain De Chambrier**, Scientist, Natural History Museum, Geneva, Switzerland
- 8) **Dr. Mikulas Oros**, Slovak Academy of Sciences, Slovak Republic
- 9) **Dr. Manoj Kar**, Deptt. of Biochemistry, N.R.S. Medical College, Kolkata
- 10) **Dr. Neil Koorbanally**, University of Kwa-Zulu Natal, Durban, South Africa
- 11) **Dr. Krishnendu Acharya**, Associate Professor, University of Calcutta, Kolkata
- 12) **Dr. Taposh Kumar Das**, Additional Professor, A.I.I.M.S., New Delhi

Publications (peer reviewed journals)

- 1) Saha R, Gupta M, Majumdar R, Saha S, **Kar PK**, Anthelmintic efficacy of *Holarrhena pubescens* against *Raillietina* spp. of domestic fowl through ultrastructural, histochemical, biochemical and GLCM analysis. PLOS ONE (2023) 18(9): e0282033,
- 2) Rima Majumdar and Pradip Kumar Kar, Biosynthesis, characterization and anthelmintic activity of silver nanoparticles of *Clerodendrum infortunatum* isolate. **Nature – Scientific Reports** (2023), 13: 7415, (Impact Factor: 4.997) (Nature Publishing Group) ISSN: 2045-2322 (online) (***Corresponding author**)
- 3) Datta N, **Kar PK**, Saha SK, Primary stress response and biochemical profile of *Labeo rohita* (Hamilton, 1822) experimentally parasitized with *Argulus bengalensis* (Ramkrishna, 1951), **Journal of Fish Biology**, (2022), 100(6):1375-1387
- 4) Netri Datta, Anirban Banerjee, Pradip Kumar Kar and Samar Kumar Saha, Cleaning symbiosis between *Macrobrachium lamarrei* (H. Milne-Edwards, 1837) and *Labeo rohita* Hamilton: An approach for biological control of ectoparasitic burden of *Argulus bengalensis* Ramkrishna. *Aquaculture* (2023): 740456
- 5) Herzog KS, Caira JN, **Kar PK**, Jensen K, Novelty and phylogenetic affinities of a new family of tapeworms (cestoda: Rhinebothriidea) from endangered sawfish and guitarfish, **International Journal of Parasitology**, (2023), 53(7):347-362
- 6) Cavaleri F, Chattopadhyay S, Palsule V, **Kar PK**, Chatterjee R, Study of Drug Target Identification and Associated Molecular Mechanism for the Therapeutic Activity and Hair Follicle Induction of Two Ashwagandha Extract Having Differential Withanolide Constitutions, **Journal of Nutrition and Metabolism**, (2023), 30:2023:9599744

- 7) Anirban Ash, Yogesh P Bharitkar, Sanatan Murmu, Abhijit Hazra, V Ravichandiran, **Pradip Kumar Kar***, Nirup Bikash Mondal. Ultrastructural changes in Raillietina (Platyhelminthes: Cestoda), exposed to Sulfoquinovosyl diacylglyceride (SQDG), isolated from Neem (*Azadirachta indica*). **Natural Products Research** (2017) Mar 28: 1-5 (Impact Factor – 1.057) (Taylor and Francis) Print ISSN: 1478-6419 (*Corresponding author)
- 8) **Pradip Kumar Kar**, Sanatan Murmu, Saswati Saha, Veena Tandon, Krishnendu Acharya. Anthelmintic efficacy of gold nanoparticles derived from phytopathogenic fungi *Nigrospora oryzae*. **PLOS ONE** (2014) 9(1): e84693, (Impact Factor – 4.09) (San Francisco, USA) ISSN No. – 1932-6203, January 2014
- 9) Anirban Ash, Tomáš Scholz, Alain de Chambrier, Jan Brabec, Mikuláš Oros, **Pradip Kumar Kar**, Shivaji Prabhakar Chavan, Jean Mariaux. Revision of *Gangesia* (Cestoda: Proteocephalidea) in the Indomalayan Region: morphology, molecules and surface ultrastructure. **PLOS ONE** (2012) 7(10): 1-28, e46421 (Impact Factor – 4.09) (San Francisco, USA) ISSN No. – 1932-6203, October 2012
- 10) **Pradip K Kar**, Veena Tandon, Nirmalendu Saha. Anthelmintic efficacy of *Flemingia vestita*: genistein induced effect on the activity of nitric oxide synthase in the trematode parasite, *Fasciolopsis buski*. **Parasitology International** (2002), 51(3): 249-257 (Japanese Society of Parasitology) (Impact Factor – 2.33) (Elsevier) (Nagasaki, Japan) ISSN No. 1383-5769, July 2002
- 11) Veena Tandon, **Pradip Kumar Kar**, Nirmalendu Saha. NO nerves in trematodes, too! NADPH-diaphorase activity in adult *Fasciolopsis buski*. **Parasitology International** (2001) 50(3): 157-163 (Japanese Society of Parasitology) (Impact Factor – 2.33) (Elsevier) (Nagasaki, Japan) ISSN No. 1383-5769, July 2001
- 12) **Pradip Kumar Kar**, Veena Tandon, Nirmalendu Saha. Anthelmintic efficacy of genistein, the active principle of *Flemingia vestita* (Fabaceae): alterations in the free amino acid pool and ammonia levels in the fluke, *Fasciolopsis buski*. **Parasitology International** (2004) 53(4): 287-291 (Japanese Society of Parasitology) (Impact Factor – 2.33) (Elsevier) (Nagasaki, Japan) ISSN No. 1383-5769, July 2004
- 13) Anirban Ash, Tomáš Scholz, Mikuláš Oros, **Pradip Kumar Kar**. Tapeworms (Cestoda: Caryophyllidea), parasites of *Clarias batrachus* (Pisces: Siluriformes) in the Indomalayan region. **Journal of Parasitology** (2011), 97(3): 435-459 (American Society of Parasitology) (Impact Factor – 1.5) (North Carolina, USA) ISSN No. 0022-3395, June 2011
- 14) Mikulas Oros, Anirban Ash, Jan Brabec, **Pradip Kumar Kar**, Tomas Scholz. A new monozoic tapeworm, *Lobulovarium longiovatum* n. g., n. sp. (Cestoda: Caryophyllidea), from barbs *Puntius* spp. (Teleostei: Cyprinidae) in the Indomalayan region. **Systematic Parasitology** (2012), 83: 1-13 (Springer) (Impact Factor – 1.250) (The Hague, Netherlands) ISSN: 0165-5752, September 2012
- 15) František Moravec, Tomáš Scholz, Anirban Ash and **Pradip Kumar Kar**. New data on the morphology and taxonomy of three species of *Rhabdochona* (Nematoda: Rhabdochonidae) parasitizing fishes in India. **Folia Parasitologica** (2010), 57(4): 295-306 (Impact Factor – 1.812) (Ceske Budejovice, Czech Republic) ISSN No. 0015-5683, December 2010
- 16) Anirban Ash, Alain de Chambrier, Tomáš Scholz, **Pradip Kumar Kar**. Redescription of *Vermaia pseudotropii*, a hyperapolytic freshwater tapeworm, and composition of *Vermaia* Nybelin, 1942 (Cestoda: Proteocephalidea). **Revue Suisse de Zoologie** (2010), 117(4): 665-677 (Impact Factor – 1.0) (Swiss Soc. of Zoology) (Geneva, Switzerland) ISSN No. 0035-418X, December 2010
- 17) Anirban Ash, Tomáš Scholz, Mikuláš Oros, Celine Levron and **Pradip Kumar Kar**. Cestodes (caryophyllidea) of the stinging catfish *Heteropneustes fossilis* (siluriformes: heteropneustidae) from Asia. **Journal of Parasitology** (2011), 97(5): 899-907 (American Society of Parasitology) (Impact Factor – 1.5) (North Carolina, USA) ISSN No. 0022-3395, October 2011
- 18) Alain de Chambrier, Tomáš Scholz,*, Anirban Ash, **Pradip Kumar Kar**. *Ritacestus* gen. n. (cestoda: proteocephalidea) and redescription of *R. ritaii* n. comb., a parasite of bagrid catfish in India. **Folia Parasitologica** (2011), 58(4): 279-288 (Impact Factor – 1.812) (Ceske Budejovice, Czech Republic) ISSN No. 0015-5683, December 2011

- 19) V Tandon, **P K Kar**, B Das, B. Sharma and J. Dorjee. Preliminary survey of gastro-intestinal helminth infection in herbivorous livestock of mountainous regions of Bhutan and Arunachal Pradesh, **Zoos' Print Journal** (2005), 20(5): 1867-1868 (Impact Factor – 0.1) (Coimbatore, India) ISSN No. 0973-2535, May 2005
- 20) V Tandon, R Imkongwapang, **P K Kar**. Helminth infracommunities in anuran amphibia of Nagaland, India, **Journal of Parasitic Diseases** (2001), 25(1): 8-20 (Impact Factor – 0.5) (Springer) (Lucknow, India) ISSN No. 0971-7196, June 2001
- 21) **Pradip Kumar Kar**, Veena Tandon. Anthelmintic efficacy of *Flemingia vestita* (Fabaceae): genistein induced effect on the nervous components in two digenetic trematodes, **Journal of Parasitic Diseases** (2000), 24(2): 141-146 (Impact Factor – 0.5) (Springer) (Lucknow, India) ISSN No. 0971-7196, December 2000
- 22) V Tandon, L M Lyndem, **P K Kar**, P Pal, B Das, H S P Rao. Anthelmintic efficacy of rhizome-pulp extract of *Stephania glabra* and aerial root extract of *Trichosanthes multiloba* in vitro: two indigenous plants in Shillong, India, **Journal of Parasitic Diseases** (2004), 28(1): 37-44 (Impact Factor – 0.5) (Springer) (Lucknow, India) ISSN No. 0971-7196, June 2004
- 23) **Pradip Kumar Kar**, Veena Tandon. Anthelmintic efficacy of genistein, the active principle of *Flemingia vestita* (Fabaceae): alterations in the activity of the enzymes associated with the tegumental and gastrodermal interfaces of the trematode, *Fasciolopsis buski*. **Journal of Parasitic Diseases** (2004), 28(1): 45-56 (Impact Factor – 0.5) (Springer) (Lucknow, India) ISSN No. 0971-7196, June 2004
- 24) Gautam Aditya, Sankar Bhattacharyya, Niloy Kundu, **Pradip Kumar Kar**, Goutam Kumar Saha. Predatory efficiency of the sewage drain inhabiting larvae of *Toxorhynchites splendens* Wiedemann on *Culex quinquefasciatus* Say and *Armigeres subalbatus* (Coquillett) larvae, **Southeast Asian Journal of Tropical Medicine and Public Health** (2007), 38(5): 799-807 (Impact Factor – 0.8) (Bangkok, Thailand) ISSN No. 0125-1562, September 2007
- 25) **Pradip Kumar Kar** and Debnarayan Roy, Review on nitric oxide synthase in helminths, B N Seal Journal of Science Vol 5, (2013) ISSN 09755624
- 26) **Pradip Kumar Kar**, Dario Sonetti. Immunohistochemical localization of neuronal structures in the central nervous system of the freshwater snail *Planorbarius corneus* containing molecules related to corticotropin-releasing factor (CRF) ligand, CRF receptor-2 and urocortin. **Brain Research** (Communicated)
- 27) Anirban Ash, Tomáš Scholz, **Pradip Kumar Kar**. Caryophyllidean tapeworms (Cestoda) from *Puntius ticto* from India. Folia Parasitologica (communicated)
- 28) Anirban Ash, Tomáš Scholz, **Pradip Kumar Kar**. Caryophyllidean tapeworms (Cestoda) from *Mystus vittatus* from India. Folia Parasitologica (communicated)
- 29) Ash A., de Chambrier A., Scholz T., **Kar P. K.** Redescription of *Gangesia* sp. (Cestoda: Proteocephalidea) from *Wallago attu* from India. Revue Suisse de Zoologie (communicated)
- 30) **P. K. Kar**, R. Majumdar, R. Saha , V. Tandon , N. Koorbanally. Anthelmintic efficacy of *Vernonia roxburghii* and *Polygonum barbatum* effect on tegumental enzymes of flatworms of medical and veterinary importance. Journal of Ethnopharmacology (To be communicated)
- 31) **P. K. Kar** , R. Majumdar, M. Gupta, V. Tandon , N. Koorbanally. Efficacy of *Vernonia roxburghii* and *Polygonum barbatum* as anthelmintics against flatworms of medical and veterinary importance. Journal of Ethnopharmacology (To be communicated)
- 32) **P. K. Kar**, R. Majumdar, R. Saha ,. Anthelmintic efficacy of *Barringtonia* sp. and *Clerodendrum* sp against flatworms of medical and veterinary importance. Parasitology Research (To be communicated)
- 33) **P. K. Kar**, R. Majumdar, M. Gupta,. An *in vitro* study on the anthelmintic efficacy of *Barringtonia* sp. and *Clerodendrum* sp - Effect on tegumental and gastrointestinal enzymes of flatworms of medical and veterinary importance. Journal of Ethnopharmacology (To be communicated)

** Impact factors are at the time of publication.

Academic background and work history

- ✦ 2019 (June) – till date: **Professor**, Department of Zoology, Cooch Behar Panchanan Barma University
- ✦ 2018 (Jan) – 2019 (May): **Professor and Head**, Department of Zoology, Cooch Behar Panchanan Barma University
- ✦ 2016 (Nov.) – 2018 (Jan): **Associate Professor and Head**, Department of Zoology, Cooch Behar Panchanan Barma University
- ✦ 2014 (Nov.) – 2016 (Nov): **Assistant Professor** in Deptt. of Zoology, Maulana Azad College
- ✦ 2007 (July) – 2014 (Nov.): **Assistant Professor** in Post Graduate Deptt. of Zoology, Jhargram Raj College
- ✦ 2006 (Nov) – 2007 (Nov) : **Post Doctoral Fellow** in University of Modena and Reggio Emilia, Italy under Prof. Dario Sonetti
- ✦ 2005 (May) – 2006 (Nov) **Lecturer** in Darjeeling Govt. College, Conducting Master of Science (M.Sc.) and Bachelor of Science (Honours and General) classes of the North Bengal University. Also continuing post doctoral research on helminth systematics and phylogeny of fresh water fishes.
- ✦ 2005 (April) – 2005 (May) : **Research Associate** of Council of Scientific and Industrial Research, Govt. of India
- ✦ 2004 (March) – 2005 (March): Post doc fellow in the University of Calcutta under Prof. B. Manna of Zoology Department working on helminth systematics and phylogeny.
- ✦ 2003 (September) – 2004 (March): **Visiting fellow (post doc)** in National Centre For Biological Sciences, Tata Institute of Fundamental Research, Bangalore working on certain molecular biological aspects of neuroscience
- ✦ 1999-2003 (August) : Doctoral student, later continuing post doctoral work
Deptt. Of Zoology, North-Eastern Hill University, Shillong, India. Pin – 793022
Ph.D. degree awarded on August 2003
- ✦ 2000-2003 : Research Fellow In All India Co-ordinated Project On Capacity Building in Taxonomy, a **World Health Organization** funded project executed by the Ministry of Environment and Forests, Govt. of India.
Project supervisor: **Prof Veena Tandon**, Deptt. Of Zoology, North-Eastern Hill University, Shillong, Pin – 793022
- ✦ 1999-2000 : Research Fellow
In Ministry of Environment and Forests, Govt. of India project.
Project Supervisor: **Prof. Veena Tandon**, Deptt. Of Zoology, North-Eastern Hill University, Shillong, India. Pin – 793022
- ✦ 1998-1999 : Research Fellow
In University of Calcutta.
Topic: Carbohydrate metabolism of *Isoparorchis hypselobagri*
Supervisor: Prof. Buddhadeb Manna, Deptt. Of Zoology, University of Calcutta, Calcutta, India. Pin – 700026
- ✦ 1992-1997: Undergraduate and Graduate student
Degree: **B.Sc.** (Bachelor of Science) Subject: Zoology (Major), Chemistry and Botany
College: Scottish Church College (University of Calcutta) (Second Class)
M.Sc. (Master of Science) Subject: Zoology and special paper – Parasitology
University: The University of Burdwan (First Class)

Technical skills

- ✦ Working with **scientific, medical and veterinary** literature
- ✦ **Writing** scientific articles, abstracts, reports and projects
- ✦ **Fully trained in microscopy – fluorescence, phase-contrast, confocal laser, two photon, image analyzer systems (ACT2U, SPOT etc.), immunohistochemistry / immuno cytochemistry**
- ✦ **Electron microscopy : SEM, TEM, STEM**
- ✦ Demonstration of specific and novel enzymes, in invertebrates along with the status of these enzymes on exposure of the model parasites to the plant-derived anthelmintic compounds
- ✦ Pharmacokinetics : **TLC, HPLC and NMR** for isolation of active compounds and also **GC**
- ✦ **Extraction** of DNA and RNA, **PCR, Western Blotting, ELISA and Atomic absorption spectrophotometer**

- ✦ Immunogold labelling
- ✦ Ultra and Cryo microtomy along with general microtomy
- ✦ Isolation and identification of active components of the medicinal plants
- ✦ **Collection, identification and preservation** of helminth (mainly trematodes and cestodes) parasites of fish, amphibia and certain endangered mammals.
- ✦ *In vitro* study of novel anthelmintics extracted from indigenous medicinal plants

Reviewer

- **Reviewed Major Research Project Proposal of funding agencies like Council of Scientific and Industrial Research, Govt. of India, S.E.R.B., D.S.T., Govt of India etc.**
- **Referee for Indian (JOPD etc.) and International Journals (PLOS ONE etc.)**

Database Development

Developed database on Helminth Parasite Spectrum in Northeast India
http://www.nehu.ac.in/BIC/HelMinth_Parasite_NE/default.htm

Trainings underwent

- ✦ Microscopy with respect to immunocytochemistry, histochemistry – Light, Electron, Confocal, Two-Photon, STEM
- ✦ Basic computer course
- ✦ Isolation of active compounds from natural products
- ✦ Electron microscopy (scanning and transmission) along with special techniques like immunogold labelling, cryosectioning for sub-zero TEM viewing
- ✦ DNA, RNA extraction, PCR, cryomicrotomy using cryostat and other molecular biological techniques
- ✦ Collection, preservation and identification of zoological specimens with special emphasis on helminths

Grants/Awards

1. Post Doc Award - University of Modena and Reggio Emilia, Italy under Prof. Dario Sonetti from Nov 2006 to Nov. 2007
2. SCIENCE grant awarded under European Commission's Framework 6 Programme for Integrated Infrastructures Initiatives, **Research Institute for Symbolic Computation**, Linz, Austria (June 2007)
3. Council of Scientific and Industrial Research, Govt. of India –
 - a) **Research Associate (2005)**
 - b) **Foreign Travel Grant** to attend and **chair a session** in The **Tenth International Congress of Parasitology** held in **Vancouver**, Canada. (2002)
4. Foreign travel grant from Department of Science and Technology, Govt. of India (2002)
5. Junior Research Fellowship by Ministry of Environment and Forests, Govt. of India (2000)

Major Professional Achievements

- ✦ Acted as **Guest-of-Honour** in the inaugural programme of 100 years of Zoological Survey of India, MARC, Digha, West Bengal, 1st July 2015.
- ✦ Invited talk in UGC sponsored Seminar organized by Bajkul Milani Mahavidyalaya, Mar 2012.
- ✦ Acted as a **Convener** of the **International Seminar on Recent trends in Zoology**, held in Jhargram Raj College, India, on 8th March 2011.
- ✦ **Chairperson** - Chemotherapy session - in the **Tenth International Congress of Parasitology** held in **Vancouver**, British Columbia, Canada from Aug. 4th to 9th 2002.

Membership of Professional Bodies

Life member of Indian Society of Parasitology
 Life member of Zoological Society, Calcutta
 Life member of Indian Society of Cell Biology

Languages

English, Bengali and Hindi, working Italian and Khasi

Computer skills

- ✦ Teaching Basics of computer at Post Graduate and Under Graduate level as per CBPBU Vidyasagar University / Calcutta University / syllabus
- ✦ Microsoft – Word All versions, MS OFFICE, CD/DVD/Blu Ray writing along with all latest software handling, Microcal Origin, SPSS
- ✦ Adobe acrobat and Photoshop, Converting pdf to text and vice versa
- ✦ Internet (Explorer and Netscape), website construction
- ✦ Linux operating system
- ✦ Scanning on scanjet and uploading pictures from image analyzer systems into PC and internet
- ✦ Winzip, Chemwin3 alongwith latest programmes like neuroLucida

Scientific presentations

Lecture and poster presentations in national and international conferences

Workshops / Seminars / Training Programme / Conferences Attended (International)

- 1) International Seminar on Recent Trends in Zoology, Organised by Jhargram Raj College, Jhargram, West Bengal, **India**, on 8th March 2011
- 2) Summer school on symbolic computation in biology organised by Research Institute for Symbolic Computation in **Linz, Austria**, from June 24th, 2007 to July 8th, 2007.
- 3) Second International Conference on Algebraic Biology, Linz, Austria, from July 4th 2007 to July 6th 2007.
- 4) Training programme on confocal laser microscopy organised by Deptt. Of Physics, University of Modena and Reggio Emilia, **Italy** on 25-26th May 2007
- 5) Workshop on Electron and confocal microscopy organised by Deptt. Of Physics, University of Modena and Reggio Emilia, **Italy** on 6th June 2007
- 6) Training programme on latest molecular biological techniques in Parasitology at the Institute of Parasitology, Czech Academy of Sciences, **Czech Republic**, from 14th November 2004 to 30th November 2004.
- 7) Tenth International Congress of Parasitology organised jointly by the American Society of Parasitologists and Canadian Society of Zoologists, held in Vancouver, British Columbia, **Canada** from 4th till 9th of August, 2002 and presented two papers, one oral and one poster.

Workshops / Seminars / Training Programme / Conferences Attended (National) Selected few

- 1) UGC sponsored National Seminar organized by Midnapore College on Nov. 2015 (Paper presented)
- 2) Workshop on Genome Analysis and Molecular Techniques organized by B.H.U., Varanasi, on March 12-14th, 2015
- 3) UGC sponsored National Seminar organized by Egra College on March 8th and 9th, 2015.
- 4) UGC sponsored seminar organized by Bajkul Milani Mahavidyalaya, March 28th and 29th, 2012.
- 5) UGC Sponsored National Seminar organized by A.B.N. Seal College Cooch Behar and Uttar Banga Krishi Viswa Vidyalaya, December 2012
- 6) Workshop on Practical Applications in Zoology, A.B.N. Seal College, Cooch Behar, West Bengal in November 2005.
- 7) National Congress of Parasitology, Organised By Zoological Survey of India, Jodhpur In October, 2001 And Presented Two Papers.
- 8) Training Programme On Identification, Scientific Preparation and Preservation of Zoological Specimens. Organised By Zoological Survey of India, Shillong in 2001.
- 9) National Training Programme In Electron Microscopy For Scientific Investigators. Organised By Deptt. Of Anatomy, All India Institute of Medical Sciences, New Delhi in 2001.
- 10) Regional Seminar on Recent Trends in Zoology Organised By the North Eastern Hill University, Shillong in 2000.
- 11) Workshop On Identification And Diagnosis Of Parasites of Biomedical Importance. Organised By Deptt. Of Zoology, North Eastern Hill University, Shillong in 2000. June 23, 2000 to July 8th 2000
- 12) Training Programme on Basic Computer Applications. Organised By Bio Informatics Centre, North Eastern Hill University, Shillong in 1999.

Age and Marital Status

51 years (Date of Birth – 24th February 1973), Married

Address**Office:**

Dr. Pradip Kumar Kar

Professor

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