

DR. BHAKTI LAHA

State Aided College Teacher (SACT. Category-I)

M.Sc. (Physiology), Ph.D., B.Ed.

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» **Overview:**

Dr. Laha is a State Aided College Teacher in the Department of Physiology of T. D. B. College, Raniganj; since November, 2017. She also works as an Examiner and Paper Setter for different courses of Physiology. She completed her M. Sc in Human Physiology from University College of Science and Technology, University of Calcutta, Rajabazar, Kolkata; with Distinction and awarded with DST-INSPIRE PhD Fellowship by DST, Government of India. Her Ph. D. work was on molecular cloning of a parasitic gene from Department of Biotechnology, NIT Durgapur. She is also a B. Ed. from University of Burdwan on 2020. She is a dedicated, resourceful and goal-driven professional educator with full commitment towards academic excellence of every student in the class. She has efficiently guided UG students for their Project works. She has National Training on Electron Microscopy from AIIMS, New Delhi and has several academic connections which can be deployed for any scholastic distinction. She has qualified GATE 2013 and NET for which she has eminent knowledge about the required academic standards. She is adapted to students' diverse learning styles with the latest developments in learning and teaching processes. She is a Life member of Indian Science Congress Association.

» **Date of appointment to the present job:**

1st November, 2017

» **Other Academic/ Administrative post:**

N. A.

» **Academic background:**

- University of Calcutta, Kolkata, West Bengal, India Master of Science (M.Sc), in Human Physiology (June-2008 to July-2010) Percentage Secured: 72.6% Dissertation: "In Vitro and In Vivo Characterization of Transitional Metal Compound"
- Rammohan College, Kolkata, University of Calcutta, Kolkata, West Bengal, India Bachelor of Science (B.Sc), in Physiology, Zoology, Chemistry (May-2005-June-2008), Percentage Secured: 53.3%
- Gandhi Memorial Girls' High School, WB Council of Higher Secondary Education, West Bengal, India, Higher Secondary Examination in Physics Chemistry Biology and Geography (May-2001 to June-2003) Percentage Secured: 83.6%
- Ramkrishna Sarada Mission Sister Nivedita Girls' School, West Bengal Board of Secondary Education, West Bengal, India Secondary Examination, in General Studies (May-2002 to June-2003) Percentage Secured: 82.9%

» **Information about Ph.D.:**

- **Date of Award:** 09.03.2017
- **Thesis Title:** *Leishmanial Apical Membrane Antigen: the probable functional analysis in cell adhesion and infection.*

» **Professional Qualifications:**

- **NET:** CSIR-UGC, June 2011

» **Publications in Journals:**

1. Bhakti Laha (2020). Detection of Apical Membrane Antigen-like protein in *Leishmania donovani*, a facilitator in successful parasitism. January 03-07, 2020; 107th Indian Science Congress, Science and Technology: Rural Development, University of Agricultural Sciences, Bangalore (International Conference Paper).
2. Bhakti Laha, Amit Kumar Verma, Bapi Biswas, Satheesh Kumar Sengodan, Akanksha Rastogi, Belinda Willard and Monidipa Ghosh (2019). Detection and characterization of an albumin-like protein in *Leishmania donovani*. *Parasitology Research*. Volume 118(5), pp.1609-1623.
3. Amit Kumar Verma, Bhakti Laha, Monika Pandey and Monidipa Ghosh (2017). Cholesterol-lowering drug, in combination with chromium chloride, induces early apoptotic signals in intracellular *L. donovani* amastigotes, leading to death. *Journal of Biosciences*. Volume 42 (3), pp. 427-438.
4. Aneissha Chebolu, Bhakti Laha, Monidipa Ghosh and Nagahanumaiah (2014). Engineering of Micro-patterned Topographies - correlating pattern geometry and bacterial resistance. December 12-14, 2014; AIMTDR, IIT Guwahati, India.
5. Aneissha Chebolu, Bhakti Laha, Monidipa Ghosh and Nagahanumaiah (2013). Investigation on Bacterial Adhesion and Colonization Resistance over Laser Machined Micro Patterned Surfaces. *Micro Nano Letters, IET*. Volume 8 (6), pp. 280-283.

» **Books and Chapters:**

• **Books:**

N. A.

• **Chapters:**

1. Bhakti Laha. (2021). Basics of CRISPR Technology and Its Application. *Techniques in Life Sciences 1*, pp. 55-74. Lucknow, India: BFC Publications. ISBN-978-93-90675-02-9

» **Seminars, Conferences, Webinars and workshops attended:**

- National Seminar: 02
- National Symposium: 01
- International Seminar: 01
- International Conference: 01
- Workshops: 03

» **Life Membership:**

- Life member of Indian Science Congress Association

» **Awards/ Academic Achievements:**

N. A.

» **Professional Courses:**

- Orientation Programme/FIP/FDP: 00
- Refresher Course: 00
- Short Term Course: 00

» **Others/ Miscellaneous:**

- Selected for and attended (14 days) XXXII National Training Program in Electron

Microscopy for Scientific Investigators conducted in Department of Anatomy, Electron Microscope Facility, AIIMS, New Delhi, 2016 (self-sponsored).

- Selected for and attended (10 days) 13th UGC-NRC Workshop on “Basic Confocal Microscopy” conducted in Indian Institute of Science, Bangalore, 2015 (UGC-NRC).