

Dr. Priyanka De



Department: Biotechnology

Designation: Assistant Professor

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Qualification:

M.Sc (Zoology, Specialization in Genetics), Calcutta University.

CSIR-NET (Life Sciences) and SLET (West Bengal).

Ph.D: Indian Institute of Chemical Biology (CSIR), Kolkata (under the supervision of Dr Arun Bandyopadhyay, Cell Biology & Physiology Division, Indian Institute of Chemical Biology.

Teaching areas:

Physiology, Animal Biology, Metabolism, Genetics, Ecology, Evolution & Behavior.

Research Interest:

- Cardiology
- Neurobiology
- Ethology
- Environmental biology
- Trans-disciplinary Research

Book Publication:

- Book entitled 'The Ultimate Query', A translation work based on Sarat Chandra Chattopaddhya's Sesh Prasna (ISBN: 978-93-83548-89-7). January 2016.
- Book entitled 'Dodo Kothai Tui', a bengali story book for children (ISBN: 978-93-84184-41-4). December 2016.
- Motivational book entitled 'The Enigma of Human Existence: An Odyssey of Survival' (ISBN 978-81-940456-4-9). April 2019.
- Book entitled 'Bigyaaner Antoraale', a collection of scientific articles (ISBN: 978-93-84184-87-2). August 2021.

Book chapters:

- Translated Poem 'At the Bend of the path', published in the book 'Poetry World' (Volume IV),
- 2013, a collection of world poetry edited by Ashis Sanyal & Partha Raha, published on the eve of '7th World Poetry Festival 2013', convened by 'International Bengali Poetry Festival' 2013, held at Paschimbanga Bangla Academy, Kolkata, India.
- Translated Poem 'Cognizance', published in the book 'Poetry World' (Volume V), 2014, a collection of world poetry edited by Ashis Sanyal & Partha Raha (page 200), published on

the eve of '8th World Poetry Festival 2014', convened by 'International Bengali Poetry Festival' 2014, held at Paschimbanga Bangla Academy, Kolkata, India.

- Translated Poem 'Bonding', published in the book 'Poetry World' (Volume VI), 2015, a collection of world poetry edited by Ashis Sanyal & Patha Raha (page 199), published on the eve of '9th World Poetry Festival 2015', convened by 'International Bengali Poetry Festival' 2015, held at Paschimbanga Bangla Academy, Kolkata, India.
- Book Chapter entitled "*Diverse Facets of Physiological Ailments in the Light of Health Geography*" as part of Book "Geography in the 21st Century: Emerging Issues and the Way Forward" [ISBN: 978-81-947715-9-3], published by Namya Press, India. 396-417; 2020.
- Book Chapter entitled "*Enigma of Indian Tradition of Healing: A Phytomedicinal Perspective*" as part of Book "Handbook of Agriculture & Plant Sciences" [ISBN: 978-93-91002-25-1], published by ABS Books Publisher, India. 334-351; 2021.
- Poetry Book Chapter: Poem entitled '*Protikhhya*' as part of Book "Karonakaler Kobita" [ISBN: 9789354453618]. 57; 2021.
- Editorial Board Member for Book "How Covid-19 Changed the Consumer Behaviour in India" [ISBN: 978-93-92978-00-5], published by MRI Publishers. November 2021.
- Book Chapter: Book Chapter entitled "*How Covid-19 Changed the Consumer Behaviour in India*" [ISBN: 978-93-92978-00-5], published by MRI Publishers. 47-65; 2021.
- Book Chapter: Book Chapter entitled "*Post-Pandemic Health Communication: Significance and Emerging Prospects*" as part of Book "Opportunities in Media Industry Post-COVID-19" (Vol 2) [ISBN: 978-93-91537-90-6], published by Clever Fox Publishing. 189-207; 2021.
- Book Chapter: Book Chapter entitled "Enigma of emotion-cognition interactions in the contemporary COVID-19 based educational arena" as part of Book 'COVID-19 & YEAR 2020 (Volume 1), [ISBN: 979-8885300049], published by Notion Press, India.; Pages: 126-141; 1st edition.2021.

Other publication:

Scientific Journals:

- The Indian Genome Variation Database (IGVdb): a project review. The Indian Genome Variation Consortium. Human Genetics 2005, 118: 1-11. (Worked as a team member in this consortium).
- Altered Expression of the Genes in Hypertrophied Heart by Glucocorticoid. **De P**, Roy SG and Bandyopadhyay A. Perspectives in Cytology and Genetics 2007, 13: 152-157.
- Stimulation of salmon calcitonin on secretion of 17 β -estradiol by the ovarian follicles of common carp, *Cyprinus carpio*. Paul S, Mukherjee D, Pramanick K, Kundu S, Bhattacharyya SP, **De P** and Mukherjee D. Journal of Endocrinology 2008, 196 (2): 413-424.
- Noise Pollution-A testimony on heart disease. **De P**. Everything about environment 2008, May-June, 58-61.
- Excess of glucocorticoid induces cardiac dysfunction via activating Angiotensin II pathway. Roy SG, **De P**, Mukherjee D, Chander V, Konar A, Bandyopadhyay D and Bandyopadhyay A. Cellular Physiology and Biochemistry 2009, 24 (1-2): 1-10.
- Excess of glucocorticoid induces myocardial remodeling and alteration of calcium signaling in cardiomyocytes. **De P**, Roy SG, Kar D and Bandyopadhyay A. Journal of Endocrinology 2011, 209: 105-114.
- Enigma of Slumber. **De P**. Austin Journal of Biotechnology & Bioengineering 2014 (ISSN 2378-3036), 1(5): 4.
- Diverse Facets of Lipid Metabolism in Cardiac Pathology. **De P**. Journal of Enzymology and Metabolism (ISSN: 2455-4774); 2015;1(1): 105.

Inter-college magazine/Journals:

- Articles published in CHIASMA (Departmental magazine of Biotechnology), The Xaverian, (College magazine), Pebbles (College magazine).

Vernacular Journals:

- Many articles published in Sikhya Swastha Bigyan, Bigyan Mela, Rudrakaal, Araatrik, etc.

Invited talks:

- Invited talk on 'Language of Literature' at State level Seminar on 'Comparative pronunciation between some wellknown words of Sanskrit, Parsi, Greek & The Language of Literature' organised by Janachetana Nagarik Kalyan Samity in association with Bhasha-Shilpo-Sahityo Gabeshana Kendra, Kolkata. 2017.
- Invited talk on 'Excavating significance of emotion-cognition interactions in the contemporary educational arena' as part of UGC Sponsored International Seminar On 'Education, Emotion and Contemporary Global World', organised by Centre for Disability Studies and Rehabilitation, Jadavpur University, jointly organized by Byanjanbarna Foundation, Kolkata. 2017.
- Invited talk on 'Mantra in life' and felicitation at Behala Sahityo Songshod, Kolkata. 2019.
- Invited talk on '*Bornomoy Vidyasagar*' at Brihottoro Behala Boimela, Kolkata. 2020.
- Invited Lecture on '*Lock down stress relievers - a focus on emotional health*' as part of International Webinar Series - Genesis, Revelation in a Post-apocalyptic world, 2020, hosted by Postgraduate Dept of Zoology, Asutosh College, Kolkata. 2020. (<https://youtu.be/jGbrK1O58LM>)
- Invited Lecture on '*Enigma of Pain: A Neurocognitive Perspective*' as part of Alumni Scientific Interactives, hosted by Postgraduate Dept of Zoology, Vivekananda College, Kolkata. 2020.
- Invited Lecture on '*Insidious Depression: A Neurocognitive Perspective*' hosted by Postgraduate Dept of Zoology, T.H.K. Jain College, Kolkata. 2020.

Research Project:

As Co-PI along with PI, Dr Sudipa Saha for the project entitled "Comparative studies on biochemical and physicochemical characteristics of lens alpha-crystallin from habitat-specific fish". (2018-2021).
Research Scholar: Sushmita Nandy

Cultural and Literary Pursuits:

International Literary Publication

International e-paper: Poem 'Kabyik Bastob' published on July 26, 2020 in Daily e-paper (Daily Bahadur) from Bangladesh.

As Performer:

- Invited Performer in the International Program entitled '*Kothay o Kobitay Rabindranath Tagore*' as part of International Festival-2021, organised by International Culture Centre (ICC). 8 August, 2021.
- Invited Performer in '*Thailand: Bangladesh Bharat International Sanskritik Jot*'. 15 August, 2021.
- Invited Performer in International cultural program entitled '*Tumi acho Chirodin*' organised by The Global TV (UK). 25 August, 2021.
- Invited Performer in '*Murshidabad Bharat Bangladesh International Sanskritik Jot*'. 12 September, 2021.
- Invited Performer in '*Dhaka Mahanagar Dakshin: Dhaka Kolkata International Sanskritik Jot*'. 15 September, 2021.

- Invited Performer in International cultural program entitled '*Banglar Kristi*' organised by Early Star TV (Italy). 18 September, 2021.
- Honorary Position as Associate Producer in the Television Channel from UK, 'The Global TV'. (16 Oct 2021 onwards).