

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 and Environmental Biotechnology, 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 Chattopadhyaya's Sesh Prasna (ISBN: 978-93-83548-89-7), Priyashilpa Prakashan, Kolkata. January 2016.
- Book entitled 'Dodo Kothai Tui', a collection of Bengali Story for Children (ISBN: 978-93-84184-41-4), Sanskaar publication, Kolkata. December 2016.
- Motivational book entitled "The Enigma of Human Existence: An Odyssey of Survival" (ISBN 978-81-940456-4-9), published by Prowess Publishing, India. April 2019.

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.

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.

International e-paper:

- Poem ‘Kabyik Bastob’ published on July 26, 2020 in Daily e-paper (Daily Bahadur) from Bangladesh (International Literary Publication),

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
- 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