



Dr. Palash Kumar Pal

Assistant Professor

Department of Biotechnology

Swami Vivekananda University

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📅 **DOB:** 20/11/1986 | ⚖ **Status:** Married | 🏠 **Category:** General

599

Citations

14

h-index

19

i10-index

51+

Total Impact Factor

RESEARCH INTERESTS

• Gastrointestinal Pathophysiology • Chronobiology & Environmental Endocrinology • Neurobiology • Environmental Toxicology • Endocrine Disruptors

TEACHING & ACADEMIC POSITIONS

Assistant Professor (June 2025 – Present)

Department of Biotechnology, Swami Vivekananda University, India

Guest Faculty (April 2017 – August 2017)

Department of Biotechnology, St. Xavier's College, Burdwan, India

POSTDOCTORAL RESEARCH EXPERIENCE

🚩 **Post-Doctoral Fellow** | Sept 2024 – May 2025

• **Project:** "Exploring the Mechanism of Altered Lighting Condition Induced Neuro-inflammation and its Effect on Adult Hippocampal Neurogenesis"

• **Model:** Male Swiss Albino Mice | **Institute:** Department of Biotechnology, Swami Vivekananda University, Barrackpore, India

• **Supervisor/Mentor:** Prof. Nimai Chandra Saha

🚩 **Research Associate (SERB-Funded)** | Nov 2022 – Aug 2024

• **Project:** "Exploring the Mechanism of Arsenic-Induced Neuro-inflammation and its Effect on Adult Hippocampal Neurogenesis: Possible Protection by Folic Acid Supplementation"

• **Model:** Male Swiss Albino Mice | **Institute:** Department of Physiology, University of Calcutta, India

• **Supervisor/Mentor:** Dr. Sreya Chattopadhyay

🚩 **ICAR – Senior Research Fellow (NASF-Funded)** | April 2021 – April 2022

• **Project:** "Captive Breeding of Hilsa, *Tenualosa ilisha*: Phase II"

• **Model:** Fish (*Tenualosa ilisha*) – Endangered Species | **Institute:** ICAR-CIFRI, Barrackpore, India

• **Supervisor/Mentor:** Dr. Srikanta Samanta

🚩 **UGC – Dr. D. S. Kothari Postdoctoral Fellow** | Sept 2017 – Aug 2020

• **Project:** "Exploring the role of melatonin against adrenaline-induced oxidative stress mediated injury in the stomach, duodenum and colon of male Wistar rats: a novel therapeutic approach"

• **Model:** Male Wistar Rat | **Institute:** Department of Physiology, University of Calcutta, India

• **Supervisor/Mentor:** Dr. Palash Kumar Pal (PI), Prof. Debasish Bandyopadhyay (Mentor)

EDUCATION

Degree / Course	Institution / Board	Year	Details / Specialization
Ph.D. in Zoology	Visva-Bharati University, India	2016	Thesis: Physiology of gut melatonin in relation to gastrointestinal functions in carp <i>Catla catla</i> Supervisor: Prof. Saumen Kumar Maitra (F.N.Sc.)
M.Sc. in Zoology	Visva-Bharati University, India	2010	Rank: First in Merit
B.Sc. Zoology (Hons.)	Suri Vidyasagar College, The University of Burdwan	2008	Subjects: Zoology (Hons.), Botany, Chemistry
Higher Secondary (12th)	Suri Sree Sree Ramkrishna Vidyapith (WBCHSE)	2005	Subjects: Chem, Phys, Bio, Math, Beng, Eng
Secondary (10th)	Suri Sree Sree Ramkrishna Vidyapith (WBBSE)	2003	Subjects: Phys Sc, Biol, Math, Geo, Hist, Beng, Eng

SCHOLARSHIPS, FELLOWSHIPS & AWARDS

- Best Poster Award — 1st Indian Fisheries Outlook 2022, ICAR-CIFRI, Barrackpore, India (2022)
- SERB Research Associate Fellowship, Govt. of India (2022)
- UGC-Dr. D. S. Kothari Post-Doctoral Fellowship, Govt. of India (2017)
- International Travel Award — NASCE 3rd Biennial Meeting, University of Ottawa, Canada (2015)
- International Travel Grant — Department of Biotechnology (DBT), Govt. of India (2015)
- DST-INSPIRE Fellowship, Govt. of India (2011–2016)
- West Bengal Merit-cum-Means Scholarship (2008–2010)
- University Scholarship, Visva-Bharati University (2008–2010)

SKILLS & MEMBERSHIPS

- **Communication & Languages:** Fluent in English, Bengali, and Hindi with extensive experience in international scientific publication and presentations.
- **Leadership & Management:** Strategic research planning, team supervision, student mentoring, and grant/project execution.
- **Professional Memberships:**
 - ✓ Indian Science Congress (Life Member)
 - ✓ North American Society for Comparative Endocrinology (NASCE, 2015–2016)

TECHNICAL & LABORATORY EXPERTISE

- **Spectroscopy & Chromatography:** Atomic Absorption Spectroscopy (AAS), FTIR (Perkin Elmer), GC-FID (Thermo), HPLC (Thermo), UV-Vis Spectrophotometer (Bio-Rad, Beckman DU 640, Shimadzu UV 190)
- **Histology & Microscopy:** Histological analysis, Microtomy, Cryostat sectioning, Immuno-histochemistry (IHC), Immuno-cytochemistry (ICC), Light, Fluorescent, Phase Contrast & Scanning Electron Microscopy (SEM)
- **Cellular & Molecular Biology:** Flow Cytometry (FACS; BD VERSE), Primary cell & tissue culture, CO2 Incubator operation, Primer designing, PCR, PAGE, Western Blotting
- **Immunoassay & Radioactivity:** Radioimmunoassay (RIA), Liquid Scintillation Counter (Beckman LS 6000), ELISA & ELISA Reader (Bio-Rad)
- **General Lab Instrumentation:** Sonicator (Labsonic 2000), Cold Centrifuge (Beckman GS 15R), Ultracentrifuge (Beckman L7-55)

PUBLICATION SUMMARY

International Publications: 46 | Research Articles: 21 | Review Articles: 08 | Book Chapters (Int / Nat): 02 / 15

PUBLICATIONS

Research Articles

1. Saha I, Sinha A, Sadhu AK, Das RN, Ghosh S, Banerjee P, Banerjee O, Biswas S, Mukherjee S, **Pal PK** (2026) Renal function dynamics in COVID-19: exploring biomarker interactions with D-dimer and C-reactive proteins. *Bioscience Reports* 46(4). DOI: 10.1042/BSR20254002. [IF: 4.7]
2. Chakraborty, A., Banerjee, P., Saha, N.C., **Pal PK** (2026) Synergistic microbial consortia in the bioremediation of heavy metal-contaminated wastewater: mechanisms and sustainability perspectives. *Environ Geochem Health* 48, 94. DOI: 10.1007/s10653-026-02975-6. [IF: 4.0]
3. Das A, Mitra A, Ghosh S, Sarkar S, **Pal PK**, Bandyopadhyay D, Chattopadhyay S (2025) Arsenic-induced transition of thymic inflammation-to-fibrosis involves Stat3-Twist1 interaction: Melatonin to the rescue. *BioFactors*. 51(1): e2110. DOI: 10.1002/biof.2110. [IF: 5.0]
4. Naaz S, Mishra S, **Pal PK**, Chattopadhyay A, Das AR, Bandyopadhyay D (2020) Activation of SIRT1/PGC1 α /SIRT3 pathway by melatonin provides protection against mitochondrial dysfunction in isoproterenol induced myocardial injury. *Heliyon*. 6(10): e05159. DOI: 10.1016/j.heliyon.2020.e05159. [IF: 4.0]
5. **Pal PK**, Sarkar S, Mishra S, Chattopadhyay A, Bandyopadhyay D (2020) Amelioration of adrenaline induced oxidative gastrointestinal damages in rat by melatonin through SIRT1-NF κ B and PGC1 α -AMPK α cascades. *Melatonin Research*. 3(4): 482-502. DOI: 10.32794/mr11250074.
6. Dey T, Ghosh A, Mishra S, **Pal PK**, Chattopadhyay A, Pattari SK, Bandyopadhyay D (2020) Attenuation of arsenic induced high fat diet exacerbated oxidative stress mediated hepatic and cardiac injuries in male Wistar rats by piperine involved antioxidative mechanisms. *Food and Chemical Toxicology*. 142: 111477. DOI: 10.1016/j.fct.2020.111477. [IF: 5.572]
7. Hasan NK, **Pal PK**, Maitra SK (2020) Temporal relationship between the levels of melatonin and different antioxidants in the liver of a surface feeding carp *Catla catla*. *Biological Rhythm Research*. 51(3): 373-391. DOI: 10.1080/09291016.2018.1533728. [IF: 1.219]
8. Bhattacharjee B, **Pal PK**, Chattopadhyay A, Bandyopadhyay D (2020) Oleic acid protects against cadmium induced cardiac and hepatic tissue injury in male Wistar rats: a mechanistic study. *Life Sciences*. 244: 117324. DOI: 10.1016/j.lfs.2020.117324. [IF: 6.780]
9. Majumder R, Datta M, **Pal PK**, Bhattacharjee B, Chattopadhyay A, Bandyopadhyay D (2019) Protective mechanisms of melatonin on caprine spleen injury induced by cadmium (Cd): an in vitro study. *Melatonin Research*. 2(3): 57-75. DOI: 10.32794/mr11250031.
10. Bose G, Ghosh A, Chattopadhyay C, **Pal PK**, Bandyopadhyay D (2019) Melatonin as a potential therapeutic molecule against myocardial damage caused by high fat diet (HFD). *Melatonin Research*. 2(3): 37-56. DOI: 10.32794/mr11250030.
11. Mitra E, Bhattacharjee B, **Pal PK**, Ghosh AK, Mishra S, Chattopadhyay A, Bandyopadhyay D (2019) Melatonin protects against cadmium-induced oxidative damage in different tissues of rat: a mechanistic insight. *Melatonin Research*. 2(2): 1-21. DOI: 10.32794/mr11250018.
12. Ghosh A, Bose G, Dey T, **Pal PK**, Mishra S, Ghosh AK, Chattopadhyay A, Bandyopadhyay D (2019) Melatonin protects against cardiac damage induced by a combination of high fat diet and isoproterenol exacerbated oxidative stress in male Wistar rat. *Melatonin Research*. 2(1): 9-31. DOI: 10.32794/mr11250009.
13. Bhattacharjee B, **Pal PK**, Ghosh AK, Mishra S, Chattopadhyay A, Bandyopadhyay D (2019) Aqueous bark extract of *Terminalia arjuna* protects against cadmium-induced hepatic and cardiac injuries in male Wistar rats through antioxidative mechanisms. *Food and Chemical Toxicology*. 124: 249-264. DOI: 10.1016/j.fct.2018.12.008. [IF: 5.572]
14. **Pal PK**, Bhattacharjee B, Ghosh A, Chattopadhyay A, Bandyopadhyay D (2018) Adrenaline induced disruption of endogenous melatonergic system, antioxidant and inflammatory responses in the gastrointestinal tissues of male Wistar rat: an in vitro study. *Melatonin Research*. 1(1): 109-131. DOI: 10.32794/mr11250007.
15. **Pal PK**, Maitra SK (2018) Response of gastrointestinal melatonin, antioxidants, and digestive enzymes to altered feeding conditions in carp (*Catla catla*). *Fish Physiology and Biochemistry*. 44(4): 1061-1073. DOI: 10.1007/s10695-018-0494-0. [IF: 3.014]
16. Maitra SK, **Pal PK** (2017) Melatonin rhythms in the pineal and non-pineal tissues and their physiological implications in subtropical fish. *Biological Rhythm Research*. 48(5): 757-776. DOI: 10.1080/09291016.2017.1345453. [IF: 1.219]
17. Mondal P, Hasan NK, **Pal PK** and Maitra SK (2017) Influences of exogenous melatonin on the oocyte growth and oxidative status of ovary during different reproductive phases of an annual cycle in carp *Catla catla*. *Theriogenology*. 87: 349-359. DOI: 10.1016/j.theriogenology.2016.09.021. [IF: 2.923]
18. **Pal PK**, Maitra SK (2016) Neuronal control of gut melatonergic system in carp. *BAOJ Neurology*. 2(3):024. DOI: 10.24947/baojn/2/3/126.

19. **Pal PK**, Hasan NK and Maitra SK (2016b) Temporal relationship between the daily profiles of gut melatonin, oxidative status and major digestive enzymes in carp *Catla catla*. *Biological Rhythm Research*. 47(5): 755-771. DOI: 10.1080/09291016.2016.1191697. [IF: 1.219]
20. **Pal PK**, Hasan NK and Maitra SK (2016a) Gut melatonin response to microbial infection in carp *Catla catla*. *Fish Physiology and Biochemistry*. 42(2): 579-592. DOI: 10.1007/s10695-015-0161-7. [IF: 3.014]
21. Hasan NK, **Pal PK** and Maitra SK (2016) Diurnal and seasonal profiles of melatonin in the liver and their correlates of ovarian functions under natural photo-thermal conditions in adult carp *Catla catla*. *Biological Rhythm Research*. 47(6): 947-965. DOI: 10.1080/09291016.2016.1212535. [IF: 1.219]

Review Articles

1. Panigrahi AK, **Pal PK**, Paria DS (2023) Melatonin as an ameliorative agent against cadmium and lead induced toxicity in fish: An overview. *Applied Biochemistry and Biotechnology*. DOI: 10.1007/s12010-023-04723-3. [IF: 3.0]
2. **Pal PK**, Chattopadhyay A, Bandyopadhyay D (2021) Functional interplay of melatonin in the bile duct and gastrointestinal tract to mitigate disease development: An overview. *Melatonin Research*. 4(1): 118-140. DOI: 10.32794/mr11250086.
3. **Pal PK**, Chattopadhyay A, Bandyopadhyay D (2020) Melatonin as a potential therapeutic molecule against COVID-19 associated gastrointestinal complications: An unrevealed link. *Melatonin Research*. 3(3): 417-435. DOI: 10.32794/mr11250070.
4. Banerjee A, Chattopadhyay A, **Pal PK**, Bandyopadhyay D (2020) Melatonin is a potential therapeutic molecule for oxidative stress induced red blood cell (RBC) injury: A review. *Melatonin Research*. 3(1): 1-31. DOI: 10.32794/mr11250045.
5. **Pal PK**, Sarkar S, Chattopadhyay A, Tan DX, Bandyopadhyay D (2019c) Enterochromaffin cells as the source of melatonin: key findings and functional relevance in mammals. *Melatonin Research*. 2(4): 61-82. DOI: 10.32794/mr11250041.
6. **Pal PK**, Bhattacharjee B, Chattopadhyay A, Bandyopadhyay D (2019b) Pleiotropic roles of melatonin against oxidative stress mediated tissue injury in the gastrointestinal tract: An overview. *Melatonin Research*. 2(2): 158-184. DOI: 10.32794/mr11250027.
7. **Pal PK**, Bhattacharjee B, Chattopadhyay A, Bandyopadhyay D (2019a) Melatonin as an armament against non-steroidal anti-inflammatory drug (NSAID) induced gastric injury: An overview. *Melatonin Research*. 2(1): 115-137. DOI: 10.32794/mr11250015.
8. **Pal PK**, Hasan NK and Maitra SK (2012) Functional pleiotropy of melatonin in the regulation of reproduction: An overview. *Journal of Endocrinology and Reproduction*. 16(1): 33-43. [IF: 1.05]

Book Chapters (International & National)

1. **Pal PK** and Panigrahi AK (2023) Biology of Hilsa (*Tenualosa ilisha*) and its perspective in inland fisheries. In: *Modern Trends in Aquaculture Technology*. LAP LAMBERT Academic Publishing, UK. Pp. 79-116. ISBN: 978-620-6-16685-6.
2. Maitra SK and **Pal PK** (2017) Structural diversity and functional integrity of the fish pineal gland. In: *Pineal Gland: Research Advances and Clinical Challenges*. Nova Science Publishers, NY, USA, pp. 51-92. ISBN: 978-1-53612-117-9.
3. Ghosh A, Guchhait A, Sarkar M, Paria D, Roy S, Banik TD, De D, Pal P, Banik RD, **Pal PK**, Koner D, Pal S (2026) From Genotype to Metabolic Phenotype: A Multi-Omics Protocol for Systems-Level Analysis of Down Syndrome. In: Pal S. (Ed.) *The Biotechnological Palimpsest: From Evolutionary Scratches to the Synthetic Future*. Swami Vivekananda University. Pp. 252-292. ISBN Number: 978-93-5890-470-3. <https://www.swamivivekanandauniversity.ac.in/booklist?department=21>
4. Mandal M, Kumar S, **Pal PK** (2026) The Tumour Microenvironment: An Emerging Frontier for Targeted Cancer Therapeutics. In: Guha A. (Ed.) *The Microbial Nexus: Intersections in Modern Science*. Swami Vivekananda University. Pp. 21-28. ISBN: 978-93-5890-755-1. <https://www.swamivivekanandauniversity.ac.in/booklist?department=22>.
5. Karmakar K, Bakshi K, **Pal PK** (2026) Endocrine-Disrupting Chemicals: Profound Harm to Fish Hormonal Systems and Novel Approaches to Ecosystem Cleanup. In: Pal S. (Ed.) *The Biotechnological Palimpsest: From Evolutionary Scratches to the Synthetic Future*. Swami Vivekananda University. Pp. 16-32. ISBN Number: 978-93-5890-470-3. <https://www.swamivivekanandauniversity.ac.in/booklist?department=21>
6. Chakraborty A, Karmakar K, Bakshi K, Saha NC, **Pal PK** (2026) Mechanistic insights into arsenic-induced neurodegeneration in the mammalian brain. In: Ghosh B. (Ed.) *Essentials of Microbiology: Unearthing the unseen miracle*. Swami Vivekananda University. Pp. 119-144. ISBN: 978-93-341-7833-3. <https://www.swamivivekanandauniversity.ac.in/booklist?department=22>
7. Makal A, Dolui AR, Saha NC, **Pal PK** (2026) Heavy metal-induced neurotoxicity in fish: mechanisms and implications. In: Pal PK (Ed.) *Biotechnology: Bridging Fundamental Science and Applied Innovation*. Swami Vivekananda University. Pp. 194-210. ISBN: 978-93-5655-163-3. <https://www.swamivivekanandauniversity.ac.in/booklist?department=21>
8. Paria D, Roy S, Banik TD, **Pal PK**, De D, Pal P, Koner D, Banik RD, Pal S (2026) Designing an integrated multi-omics bioinformatics pipeline to identify biomarkers of brain insulin resistance in Down syndrome mouse models. In: Pal PK (Ed.) *Biotechnology: Bridging Fundamental Science and Applied Innovation*. Swami Vivekananda University. Pp. 22-42. ISBN: 978-93-5655-163-3. <https://www.swamivivekanandauniversity.ac.in/booklist?department=21>
9. Ghoshal S, Chakraborty A, Saha NC, **Pal PK** (2026) Molecular basis of phytochemical protection against NSAID-induced organ toxicity in mammals: a contemporary review. In: Ghosh S (Ed.) *Biotech Horizons: Translational Research in Human Health*. Swami Vivekananda University. Pp. 32-36. ISBN: 978-93-5655-163-3. <https://www.swamivivekanandauniversity.ac.in/booklist?department=21>

10. Paria D, Roy S, Banik TD, **Pal PK**, De D, Pal P, Koner D, Banik RD, Pal S (2026) Targeting the Purinome: An Integrated In-Silico and In Vitro Strategy for Discovering Novel Adenosine Deaminase Inhibitors from Marine-Derived Fungi. In: Koner D. (Ed.) The Macroworld of the Microbes. Pp. 170-184. ISBN: 978-93-5779-018-5. <https://www.swamivivekanandauniversity.ac.in/booklist?department=22>.
11. Marik K, Roy S, **Pal PK** (2026) Impact of Non-Steroidal Anti-Inflammatory Drugs on Gastrointestinal Health: Pathophysiological Mechanisms and Emerging Insights. In: Koner D. (Ed.) The Macroworld of the Microbes. Pp. 205-213. ISBN: 978-93-5779-018-5. <https://www.swamivivekanandauniversity.ac.in/booklist?department=22>.
12. Das M, Das DC, Das Mohapatra, **Pal PK** (2025) Biopesticides in modern agriculture: effectiveness, challenges and future prospects. In: De D. (Ed.) Biotechnology: Future of Synthetic Biology. Swami Vivekananda University. Pp. 119-144. ISBN: 978-93-341-7833-3. <https://www.swamivivekanandauniversity.ac.in/booklist?department=21>.
13. Chakraborty A, Banerjee P, Saha NC, **Pal PK** (2025) A novel axis in gut homeostasis: the interplay between melatonin and the intestinal microbiota. In: Sarkar S. (Ed.) Microbial cosmos: The architects of life. Swami Vivekananda University. Pp. 111-119. ISBN: 978-93-341-7834-0. <https://www.swamivivekanandauniversity.ac.in/booklist?department=22>.
14. Pal P, De D, Banik RD, **Pal PK**, Koner D, Pal S (2025) Development of plant-based bioreactors for recombinant enzyme production. In: Sarkar S. (Ed.) Microbial Cosmos: The Architects of Life. Swami Vivekananda University. Pp. 120-142. ISBN: 978-93-341-7834-0. <https://www.swamivivekanandauniversity.ac.in/booklist?department=22>.
15. **Pal PK**, Pal S, Pal P, De D (2025) The Indian microbiome landscape: a systematic review of regional variations and their health implications. In: Sarkar S. (Ed.) Microbial cosmos: The architects of life. Swami Vivekananda University. Pp. 120-142. ISBN: 978-93-341-7834-0. <https://www.swamivivekanandauniversity.ac.in/booklist?department=22>.
16. Nandy A, **Pal PK**, Roy P, Saha NC, Banerjee P (2025) Insecticides and their toxicological impact: A comprehensive overview. In: Pal P. (Ed.) The Living Laboratory: Biotechnology and Microbial Frontiers. AkiNik Publications. New Delhi, India. Pp. 27-49. ISBN: 978-93-6135-365-9. <https://www.swamivivekanandauniversity.ac.in/booklist?department=21>
17. Sarkar M, Sarkar S, **Pal PK**, Banerjee P (2025) Implication of alternative drug sources to combat against fish fungal pathogen *Saprolegnia parasitica*. In: Pal P. (Ed.) Blueprints of Life: Unblocking the power of modern biotechnology. Penprints, India. Pp. 182-198. ISBN: 978-81-988004-7-3. <https://www.swamivivekanandauniversity.ac.in/booklist?department=21>

CONFERENCES, PRESENTATIONS & INVITED LECTURES

• Plenary / Invited Lecture (2026):

“Arsenic Toxicity and Mitigation: From Neuroprotective Intervention to Environmental Bioremediation” — ICCBET 2026, K.D. College of Commerce and General Studies, Midnapore (05.07.2026)

• Conference Participation (2026):

“Deciphering the Mechanistic Framework of Arsenic-Triggered Neurodegeneration Across Mammalian Brain Regions” — 4th International Conference on Agriculture, Life Sciences & Food Science (ICALF 2026), Swami Vivekananda University.

• Selected Presentations:

- Pal PK et al. — “Physiology to Pathology: Finding the Therapeutic Roadmap” — 2nd Int. Symposium, Amity University, Kolkata (2024)
- Pal PK et al. — Golden Jubilee Conference of Indian Immunology Society, AIIMS, New Delhi (2023)
- Pal PK et al. — 1st Indian Fisheries Outlook 2022, ICAR-CIFRI, Barrackpore (2022) [Oral Presentation]
- Pal PK & Maitra SK — 3rd Biennial Meeting of NASCE, University of Ottawa, Canada (2015) [Poster Presentation]

RESEARCH MENTORSHIP & EDITORIAL/REVIEWER ROLES

• RESEARCH INTERNS MENTORED:

1. Subnur Khatun (Acharya Prafulla Chandra College, June 2026) — Quantitative Biochemistry, Enzyme Kinetics & Electrophoresis
2. Ayan Ghosh (Kanchrapara College, July–Aug 2026) — Biochemical & Molecular Characterization of Inflammation associated Biomolecules.

WORKSHOPS ATTENDED

- Basics of Flow Cytometry (BD FACS Verse™ / BD FACS Aria™ III) — CRNN, University of Calcutta (28–30 August 2018)

EDITOR IN JOURNALS

- **Guest Associate Editor in Journal: 01** (Frontiers in Physiology; IF: 4.3)

EDITOR IN NATIONAL BOOKS

- **Editor in National Book: 01** (Published; ISBN: 978-93-5773-526-1)

REVIEWER IN JOURNALS

- Journal of Pineal Research — Wiley — Impact Factor: 7.5
- Clinical Science — Portland Press — Impact Factor: 7.3
- Frontiers in Bioengineering and Biotechnology — Frontiers — Impact Factor: 5.8
- Frontiers in Microbiology — Frontiers — Impact Factor: 5.8
- Cell Biology and Toxicology — Springer Nature — Impact Factor: 5.7
- Journal of Ovarian Research — Springer Nature — Impact Factor: 5.3
- Scientific Reports — Nature — Impact Factor: 4.9
- Bioscience Reports — Portland Press — Impact Factor: 4.7
- Frontiers in Environmental Science — Frontiers — Impact Factor: 4.4
- Frontiers in Fungal Biology — Frontiers — Impact Factor: 4.3
- Journal of Biochemical and Molecular Toxicology — Wiley — Impact Factor: 3.6
- Fish Physiology and Biochemistry — Springer Nature — Impact Factor: 3.3
- Journal of Diabetes & Metabolic Disorders — Springer Nature — Impact Factor: 2.6
- Discover Toxicology — Springer Nature
- Frontiers in Environmental Engineering — Frontiers

FACULTY DEVELOPMENT PROGRAM PARTICIPATION

1. Completed Faculty Development Program on “Innovations in Indian Higher Education: Promoting Holistic, Multidisciplinary & Inclusive Teaching-Learning & Governance” 7th-19th July, 2025 (15 days) held at the School of Life Sciences, Swami Vivekananda University
2. Ongoing Faculty Development Program on Indian Knowledge System 1st-15th September, 2026 (15 days) at Swami Vivekananda University

EXTERNAL EXAMINERS

1. Department of Microbiology, Ramakrishna Mission Vivekananda Centenary College, Rahara
2. Department of Zoology, Sidho-Kanho Birsha University

RESOURCE PERSON IN WORKSHOPS

1. 4-days (19-22 August, 2025) Workshop on NextGen BioResearch: Tools & Techniques in Research Methodology
2. 6 Days (21-26 July, 2025) Hands on Workshop session on instrumentation
3. 3-Days Workshop (13-15 July, 2026) on Bioinformatics and Research Methodology
4. 4-Days Workshop (7-10 July, 2026) on Advanced Instrumentations
5. 4-Days Workshop (9-12 June, 2026) on Advanced Instrumentations