BIOGRAPHICAL SKETCH

PRAHALATHAN, Chidambaram
Professor and Head
Department of Biochemistry Bharathidasan University
Tiruchirappalli – 620 024
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EDUCATION|TRAINING

BSc, Biochemistry, Bharathidasan University, Tiruchirappalli, India, 1997-2000

MSc, Biochemistry, PG Institute of Basic Medical Sciences, University of Madras, Chennai, India, 2000-02

PhD, Biochemistry, PG Institute of Basic Medical Sciences, University of Madras, Chennai, India, 2002-06

Post-Doctoral Fellowship, Department of Molecular & Cellular Biochemistry, University of Kentucky, USA, 2006-08

ACADEMIA | RESEARCH

2021- Current Professor, Department of Biochemistry, Bharathidasan University, Tiruchirappalli, India

2018-2021 Associate Professor, Department of Biochemistry, Bharathidasan University, Tiruchirappalli, India

2008-2018 Assistant Professor, Department of Biochemistry, Bharathidasan University, Tiruchirappalli, India

2006-2008 Post-Doctoral Fellow, Department of Molecular and Cellular Biochemistry, University of Kentucky, USA

2004-2006 ICMR- Senior Research Fellow, Department of Medical Biochemistry, University of Madras, Chennai, India

2002-2004 ICMR-Junior Research Fellow, Department of Medical Biochemistry, University of Madras, Chennai, India

ADMINISTRATIVE POSITIONS

2025-Current Director (i/c) Council for College and Curriculum Development, Bharathidasan University, Tiruchirappalli, India

2023-Current Senate Member, Bharathidasan University, Tiruchirappalli, India

2023-Current Professor and Head, Department of Biochemistry, Bharathidasan University, Tiruchirappalli, India

2023-Current Deputy Programme Coordinator, School of Life Sciences, Bharathidasan University, Tiruchirappalli, India

RECOGNITIONS

2015-Current Research Guide, Joint Science Academies' Summer Research Fellowship Programme, India

2015, 2025 Five Best Paper/ Poster Awards in International Conferences

2011 Young Scientist Award (Project) from Science and Engineering Research Board, New Delhi, India

2011 Young Investigator Award (Project) from Department of Biotechnology, New Delhi, India

2008 American Heart Association Postdoctoral Fellowship, USA

2002 ICMR- Junior Research Fellow, Government of India, New Delhi

MEMBERSHIPS

Life member, Society of Biological Chemists, India.

Life member, Indian Society of Cell Biology, India.

Life member, Society for Reproductive Biology and Comparative Endocrinology.

2025-Current Special Invitee, Academic Council, Autonomous Colleges, Bharathidasan University, Tiruchirappalli, India

2008-Current Member, Board of Studies, Department of Biochemistry, Bharathidasan University, Tiruchirappalli – 620 024.

2014-Current Member, Board of Studies, Department of Biochemistry, Srimad Andavan Arts & Science College (Autonomous), Tiruchirappalli – 620 005.

2025-2028 University Representative, College Committee, Dharmambal Ramasamy College of Arts and Science, Thanjavur- 614 625.

2025-2028 University Representative, College Committee, Maruthupandiyar College of Arts and Science, Thanjavur- 613 403.

2024-2029 Member. Institutional Animal Ethics Committee, Bharathidasan University, Tiruchirappalli, India

2023-2026 Member, UG Biochemistry (Affiliated Colleges) Board, Periyar University, Salem – 636 011.

2022-2025 Member, Board of Studies, Department of Biochemistry, ADM College, Nagapattinam.

2023-2024 Member, Board of Studies, Department of Biochemistry, Rajah Serfoji Government College (Autonomous), Thanjavur– 613 005.

2021-2024 Member, Board of Studies (Affiliated Colleges), Department of Biochemistry, Mother Teresa Women's University, Kodaikanal – 624 101.

2018-2021 Member, Board of Studies, Department of Biochemistry, Holy Cross College (Autonomous), Tiruchirappalli- 620 002.

2016-2019 Member, Board of Studies, Department of Microbiology, Periyar University, Salem – 636 011.

2016 Member, Academic Audit (Syllabus), V.V.Vanniaperumal College for Women, Virudhunagar.

PUBLICATIONS (Google Scholar, h-index: 18, i10-index:25)

1) Jeyarajan S, Ranjith S, Veerapandian R, Natarajaseenivasan K, ***Chidambaram P,*** Kumarasamy A. Antibiofilm Activity of Epinecidin-1 and Its Variants Against Drug-Resistant Candida krusei and Candida tropicalis Isolates from Vaginal Candidiasis Patients. ***Infect Dis Rep. 2024 ;16:1214-1229.***
2) Jeyarajan S, Peter AS, Ranjith S, Sathyan A, Duraisamy S, Kandasamy I, ***Chidambaram P,*** Kumarasamy A. Glycine-replaced epinecidin-1 variant bestows better stability and stronger antimicrobial activity against a range of nosocomial pathogenic bacteria. ***Biotechnol Appl Biochem. 2024 ;71:1384-1404.***
3) Jeyarajan S, Peter AS, Sathyan A, Ranjith S, Kandasamy I, Duraisamy S, **Chidambaram P**, Kumarasamy A. Expression and purification of epinecidin-1 variant (Ac-Var-1) by acid cleavage. ***Appl Microbiol Biotechnol. 2024;108:176.***
4) Selvi S, Kannan A,Jayaraj JM, Selvi T, Karthikeyan M, **Prahalathan C**, Sampath N, Srinivasan K. Synthesis and biological evaluation of 3-hydroxypyrazoles as aquaporin 9 inhibitors. ***J Heterocyclic Chem, 2024: 61: 669-79.***
5) Meenakshi M, Kannan A, Jothimani M, Selvi T, Karthikeyan M, **Prahalathan C**, Srinivasan K. Evaluation of dual potentiality of 2,4,5-trisubstituted oxazole derivatives as aquaporin-4 inhibitors and anti-inflammatory agents in lung cells. ***RSC Adv, 2023;13:26111-26120.***
6) Jeyarajan S, Sathyan A, Peter AS, Ranjith S, Duraisamy S, Natarajaseenivasan SM, **Chidambaram P**, Kumarasamy A. Bioproduction and Characterization of Epinecidin-1 and Its Variants Against Multi Drug Resistant Bacteria Through In Silico and In Vitro Studies. ***Int J Pept Res Ther, 2023;29:66.***
7) Duraisamy S, Sathyan A, Balakrishnan S, Subramani P, **Prahalathan C,** Kumarasamy A. Bactericidal and non-cytotoxic activity of bacteriocin produced by Lacticasei bacillus paracasei F9-02 and evaluation of its to various physico-chemical conditions. ***Environ Microbiol. 2022.***
8) Ranjith S, Sathyan A, Duraisamy S, Peter AS, Marwal A, Jain K, **Chidambaram P**, Kumarasamy A. Exploring a Computational Method for Evaluating the Epinecidin-1 and Its Variants Binding Efficacy with Breast Cancer Receptor (HER-2). ***Int J Pept Res Ther, 2022;28:118.***
9) Kannan A, Anbarasu K, Mohideen AP, Shahid M, Abdelzaher MH, El-Bidawy MH, Ramesh T, **Prahalathan C.** Role of aquaporin 9 in hyperglycaemia-induced testicular Leydig cell apoptosis. ***J King Saud Univ Sci, 2022;34: 102160.***
10) Kannan A, Mariajoseph-Antony LF, Panneerselvam A, Loganathan C, Kiduva Jothiraman D, Anbarasu K, **Prahalathan C**. Aquaporin 9 regulates Leydig cell steroidogenesis in diabetes. ***Syst Biol Reprod Med***. ***2022; 68:213-226.***
11) Duraisamy S, Husain F, Balakrishnan S, Sathyan A, Subramani P, Chidambaram P, Arokiyaraj S, Al-Qahtani WH, Rajabathar J, Kumarasamy A. Phenotypic Assessment of Probiotic and Bacteriocinogenic Efficacy of Indigenous LAB Strains from Human Breast Milk. ***Curr Issues Mol Biol. 2022; 44:731-749.***
12) Husain F, Duraisamy S, Balakrishnan S, Ranjith S, **Chidambaram P**, Kumarasamy A. Phenotypic assessment of safety and probiotic potential of native isolates from marine fish Moolgarda seheli towards sustainable aquaculture. ***Biologia (Bratisl). 2022;77:775-790.***

13) Meenakshi M, Antojenifer P, Karthikeyan M, **Prahalathan C**, Srinivasan K. Synthesis and biological evaluation of new 1,4-benzothiazine derivatives as potential COX-2 inhibitors. ***J Heterocyclic Chem. 2022;59:351-358.***
14) Loganathan C, Kannan A, Panneerselvam A, Mariajoseph-Antony LF, Kumar SA, Anbarasu K, **Prahalathan C.** The possible role of sirtuins in male reproduction. ***Mol Cell Biochem. 2021;476:2857-2867.***
15) Duraisamy S, Balakrishnan S, Ranjith S, Husain F, Sathyan A, Peter AS, **Prahalathan C**, Kumarasamy A. Bacteriocin- a potential antimicrobial peptide towards preventing and disrupting biofilm formation in the clinical and environmental locales. ***Environ Sci Pollut Res***. ***2020;27:44922-44936.***
16) Mariajoseph-Antony LF, Kannan A, Panneerselvam A, Loganathan C, Anbarasu K, **Prahalathan C**. Could aquaporin modulators be employed as prospective drugs for COVID-19 related pulmonary comorbidity? ***Med Hypotheses. 2020; 143:110201.***
17) Balakrishnan S, Dhavamani S, **Prahalathan C**. β-Cell specific transcription factors in the context of Diabetes Mellitus and β-cell Regeneration. ***Mech Dev. 2020;163: 103634.***
18) Mariajoseph-Antony LF, Kannan A, Panneerselvam A, Loganathan C, Shankar EM, Anbarasu K, **Prahalathan C**. Role of aquaporins in inflammation-a scientific curation. ***Inflammation. 2020; 43:1599-1610.***
19) Kannan A, Panneerselvam A, Mariajoseph-Antony LF, Loganathan C, **Prahalathan C**. Role of aquaporins in spermatogenesis and testicular steroidogenesis. ***J Membr Biol. 2020; 253:109-114.***
20) Panneerselvam A, Kannan A, Mariajoseph-Antony LF, **Prahalathan C**. PAX proteins and their role in pancreas. ***Diabetes Res Clin Pract. 2019;155: 107792.***
21) Kandasamy M, Radhakrishnan RK, Poornimai Abirami GP, Roshan SA, Yesudhas A, Balamuthu K, **Prahalathan C**, Shanmugaapriya S, Moorthy A, Essa MM, Anusuyadevi M. Possible Existence of the Hypothalamic-Pituitary-Hippocampal (HPH) Axis: A Reciprocal Relationship Between Hippocampal Specific Neuroestradiol Synthesis and Neuroblastosis in Ageing Brains with Special Reference to Menopause and Neurocognitive Disorders. ***Neurochem Res. 2019;44(8):1781-1795.***
22) Kannan A, **Prahalathan C**. Protective role of phospholipid hydroperoxide glutathione peroxidase (PhGPx) against cadmium induced testicular toxicity in rats. ***J Appl Sci Comp. 2018;5:411-17.***
23) Ramatchandirin B, **Prahalathan C**. Sirtuins regulate testosterone biosynthesis by activating steroidogenic gene expressions in LPS induced rats. ***J Appl Sci Comp. 2018;5:1649-56.***
24) Ramatchandirin B, Sadasivam M, Kannan A, **Prahalathan C.** Sirtuin4 regulates lipopolysaccharide mediated Leydig cell dysfunction ***J Cell Biochem***. ***2016;117:904-16.***
25) Sadasivam M, Ramatchandirin B, Balakrishnan S, **Prahalathan C.** TNF-α mediated suppression of Leydig cell steroidogenesis involves DAX-1**.** ***Inflammation Res. 2015;64:549-56.***
26) Sadasivam M, Ramatchandirin B, Balakrishnan S, **Prahalathan C**. HDAC7 modulates TNF-α-mediated suppression of Leydig cell steroidogenesis. ***Mol Cell Biochem. 2015;406:83-90****.*
27) Kannan A, **Prahalathan C**. Effect of hyperglycaemia on the expression of aquaporins in diabetic rat testis. ***Diabetologia. 2014:57;s535-36.***
28) Sadasivam M, Ramatchandirin B, Balakrishnan S, Selvaraj K, **Prahalathan C.** The role of phosphoenolpyruvate carboxykinase in neuronal steroidogenesis under acute inflammation. ***Gene***. ***2014;552:249-54.***

29) Balakrishnan S, Sadasivam M, Kannan A, Selvam AP, **Prahalathan C**. Glucose modulates Pax6 expression through the JNK/p38 MAP kinase pathway in pancreatic beta-cells. ***Life Sci***. ***2014;109:1-7.***
30) Sadasivam M, Ramatchandirin B, Ayyanar A, **Prahalathan C.** Bacterial lipopolysaccharide differently modulates steroidogenic enzymes gene expressions in brain and testis in rats. ***Neurosci Res. 2014;83:81-8.***
31) Selvakumar E**,** **Prahalathan C**, Varalakshmi P, Kumarasamy P, Saravanan R. Modification of cyclophosphamide-induced clastogenesis and apoptosis in rats by alpha-lipoic acid. ***Mutat Res***. ***2006;606:85-91.***
32) **Prahalathan C**, Selvakumar E, Varalakshmi P, Kumarasamy P, Saravanan R. Salubrious effects of lipoic acid against 5driamycin-induced clastogenesis and apoptosis in Wistar rat bone marrow cells. ***Toxicology. 2006;222:225-32.***
33) Selvakumar E, **Prahalathan C**, Sudharsan PT, Varalakshmi P. Protective effect of lipoic acid on cyclophosphamide-induced testicular toxicity. ***Clin Chim Acta***. ***2006;367:114-9.***
34) **Prahalathan C**, Selvakumar E, Varalakshmi P. Modulatory role of lipoic acid on 5driamycin-induced testicular injury. ***Chem Biol Interact****. 2006;160:108-14.*
35) Selvakumar E, **Prahalathan C**, Sudharsan PT, Varalakshmi P. Chemoprotective effect of lipoic acid against cyclophosphamide-induced changes in the rat sperm. ***Toxicology. 2006;217:71-8.***
36) **Prahalathan C**, Selvakumar E, Varalakshmi P. Lipoic acid modulates 5driamycin-induced testicular toxicity. ***Reprod Toxicol. 2006;21:54-9.***
37) Selvakumar E, **Prahalathan C**, Sudharsan PT, Varalakshmi P. Protective effect of lipoic acid on micronuclei induction by cyclophosphamide. ***Arch Toxicol***. ***2006;80:115-9.***
38) Selvakumar E, **Prahalathan C**, Mythili Y, Varalakshmi P. Mitigation of oxidative stress in cyclophosphamide-challenged hepatic tissue by DL-alpha-lipoic acid. ***Mol Cell Biochem. 2005;272:179-85.***
39) **Prahalathan C**, Selvakumar E, Varalakshmi P. Protective effect of lipoic acid on 5driamycin-induced testicular toxicity. ***Clin Chim Acta***. ***2005;360:160-6.***
40) **Prahalathan C**, Selvakumar E, Varalakshmi P. Lipoic acid ameliorates 5driamycin-induced testicular mitochondriopathy. ***Reprod Toxicol***. ***2005;20:111-6.***
41) Selvakumar E, **Prahalathan C**, Mythili Y, Varalakshmi P. Beneficial effects of DL-alpha-lipoic acid on cyclophosphamide-induced oxidative stress in mitochondrial fractions of rat testis. ***Chem Biol Interact. 2005;152:59-66.***
42) **Prahalathan C**, Selvakumar E, Varalakshmi P. Remedial effect of DL-α-lipoic acid against 5driamycin induced testicular lipid peroxidation. ***Mol Cell Biochem***. ***2004; 267:209-14.***
43) Selvakumar E, **Prahalathan C**, Mythili Y, Varalakshmi P. Protective effect of DL-α-lipoic acid in cyclophosphamide induced oxidative injury in rat testis. ***Reprod Toxicol***. ***2004;19:163-7.***

ABSTRACTS | CONFERENCES | SYMPOSIA | MEETINGS:

1) Kiduva Jothiraman D, Harshan GK, Prahalathan C. Novel oxazole based AQP9 inhibitors as potential therapeutics for diabetes induced Leydig cell impairment. International Conference on Environmental and Molecular mutagenesis: Genomic Integrity and implications to human health (EMSI-2025). Annamalai university, India. 29-31 January 2025. (**KJD got best paper award).**

2) Kiduva Jothiraman D, Kannan A, Jayaraj JM, Karthikeyan M, Srinivasan K, **Prahalathan C**. In-Silico Evaluation of 3-Hydroxypyrazole Derivative as Aquaporin 9 Modulators. National seminar on Disease Progression and Treatment Strategies, Bharathidasan University. 29 – 30 March 2022.
3) Loganathan C, Kannan A, **Prahalathan C**. Hyperglycemia effect on sirtuins and neuronal steroidogenesis. National seminar on Disease Progression and Treatment Strategies, Bharathidasan University. 29 – 30 March 2022.
4) Indhumathi M, Kannan A, Roseline M, **Prahalathan C.** Evaluation of the role of VE-Cadherin in streptozotocin induced diabetic rat testis. International Conference on Environment, Genes, Health and Diseases. Bharathiar University, 22-24 Aug 2017.
5) Kannan A, Ramatchandirin B, **Prahalathan C**. Effect of glucose on inhibition of testicular steroidogenesis: An in-vivo and in-vitro study. 22nd IFFS World Congress, Greater Noida, India. Sep 21-25, 2016.
6) Balakrishnan S, Sadasivam M, Ramatchandirin B, Kannan A, **Prahalathan C**. Glucose dependent expression of Pax6 regulates cell survival in pancreatic beta-cells. 6th World Congress of DiabetesIndia, Hotel ITC Grand Chola Convention Centre, Chennai, Tamil Nadu. April 9-12, 2015. **(BS got best paper award).**
7) Kannan A, Ramatchandirin B, Sadasivam M, Balakrishnan S, **Prahalathan C**. Role of oxidative stress on testicular aquaporins expression in hyperglycemic rats. 6th World Congress of DiabetesIndia, Hotel ITC Grand Chola Convention Centre, Chennai, Tamil Nadu. April 9-12, 2015. **(KA got best poster award).**
8) Mohanraj S, Balamurugan R, **Prahalathan C**. The phosphoenolpyruvate carboxykinase in neuronal steroidogenesis under acute inflammation. National Seminar on Recent Trends & Future Advances in Life Sciences (RTFALS). Department of Life Sciences, Central University of Tamilnadu, Thiruvarur. Tamilnadu, India. February 26-27, 2015. **(MS got best paper first prize).**
9) Balamurugan R, Mohanraj S, **Prahalathan C**. Bacterial lipopolysaccharide differently modulates steroidogenic enzyme gene expressions in the brain and testis in rats. National Seminar on Recent Trends & Future Advances in Life Sciences (RTFALS). Department of Life Sciences, Central University of Tamilnadu, Thiruvarur. Tamilnadu, India. February 26-27, 2015.
10) Nishanthini N and **Prahalathan C.** Studies on the protective effect of Hesperidin-Lipoate (H-LA) in hypercholeterolemic renal injury. Bangalore India Bio 2015, Bangalore, India. February 9 -11, 2015. **(NN got special recognition award).**
11) Arun K and **Prahalathan C.** Effect of hyperglycaemia on the expression of aquaporins in diabetic rat testis. 50th EASD Annual Meeting, Vienna, Austria. September 15-19, 2014.
12) Mohanraj S, Balamurugan R, Uma Mageswari S and **Prahalathan C**. Evaluation of the effect of hyperglycemia on steroidogenic and spermatogenic enzymes gene expression in rat testis. National conference on endocrinology and reproduction: innovatives in reproductive biotechnology & XXXI Annual meeting of the society for reproductive biology and comparative endocrinology. Karnatak University, Dharwad, India. February 11-13, 2013.
13) Balamurugan R, Mohanraj S, Sivasangari B, Manikandan K and **Prahalathan C**. A study on the role of bacterial lipopolysaccharide on histone deacetylases in rat pancreas. National conference on endocrinology and reproduction: innovatives in reproductive biotechnology & XXXI Annual meeting

of the society for reproductive biology and comparative endocrinology. Karnatak University, Dharwad, India. February 11-13, 2013.

14) **Prahalathan C,** Sabire Özcan. Glucose modulates the expression and subcellular localization of HDAC7 in pancreatic beta cells. 68th scientific sessions, American Diabetes Association, June 6-10, 2008, San Francisco, CA, USA.
15) **Prahalathan C,** Sabire Özcan. HDAC7 modulates insulin levels in pancreatic beta cells. 10th Gill Heart Institute Cardiovascular Research Day, University of Kentucky, October 19, 2007, Lexington, KY, USA.
16) **Prahalathan C**, Selvakumar E, Varalakshmi P. Effect of DL-α-lipoic acid in mitochondrial fractions of adriamycin treated rat testis. National symposium on antioxidants and trace elements in medicine and dentistry, April 17-18, 2004, Udaipur, India.
17) Selvakumar E, **Prahalathan C**, Varalakshmi P. Protective effect of DL-α-lipoic acid in cyclophosphamide induced oxidative injury in rat liver. National symposium on antioxidants and trace elements in medicine and dentistry. April 17-18, 2004, Udaipur, India.
18) Selvakumar E, **Prahalathan C**, Varalakshmi P. Protective effect of the antioxidant DL-α-lipoic acid in cyclophosphamide induced oxidative testicular injury. International conference on natural products, free radicals and radioprotectors in health (NFRH – 2004), January 17-19, 2004, Chidambaram, India.
19) **Prahalathan C**, Selvakumar E, Varalakshmi P. Effect of DL-α-lipoic acid on 7driamycin induced testicular toxicity in rats. International conference on natural products, free radicals and radioprotectors in health (NFRH – 2004), January 17-19, 2004, Chidambaram, India.
20) Malarkodi K. P, **Prahalathan C**, Varalakshmi P. Effect of DL-α-Lipoic acid on the enzymes of kidney brush border membrane in adriamycin induced nephrotoxicity. International conference on role of free **radicals** and antioxidants in health and disease and IInd annual conferene of society of free radical research, February, 10-12, 2003, Lucknow, India.

BOOKS | CHAPTERS

1) Duraisamy S, Balakrishnan S, Raju A, **Prahalathan C**, and Kumarasamy A. A food-grade nanoemulsion for delivering probiotics and prebiotics in a book 'Bio-based nanoemulsions for agri-food applications' which is part of Nanobiotechnology for Plant Protection series by Elsevier Inc. 2022.
2) Senthilkumar B, Senbagam B, **Prahalathan C**, Anbarasu K. Gateways of Pathogenic Bacterial Entry into Host Cells- Salmonella in a book 'Pocket Guide to Bacterial Infections' which is part of 'Pocket Guide to Biomedical Scientists' by CRC Press. 2019.

INVITED SPEAKER/RESOURCE PERSON AT SCIENTIFIC MEETINGS

1) Delivered a lecture on the topic "Transcriptional regulation of testicular steroidogenesis in infection" on 19th October 2022 at Karpagam Academy of Higher Education, Coimbatore, India.
2) Delivered a lecture on the topic "Glucose regulation of pancreatic beta cell function" in DBT-sponsored workshop held on 23rd October 2013 at NFMC, Bharathidasan University, Tiruchirappalli, India.
3) Delivered a lecture on the topic "Evaluation of the role of dietary HDAC inhibitors in pancreatic beta cell function" in DBT-sponsored Brain Storming Session on Nutriepigenomics held on 7th June 2013 at CFTRI, Mysore, India.

MEETINGS ORGANIZED

1) "Brain Storming Session on Immunobiology" sponsored by *G*overnment of Tamil Nadu under "Inviting Renowned Professors of Foreign Universities" from 14-09-2018 to 19-09-2018.

JOURNAL REVIEWER/ THESES /GRANT EVALUATION ACTIVITIES

In Peer-Reviewed Journals:

Oncotarget	Scientific Reports	Clinica Chimica Acta
Cell Death & Disease	Andrology	Advances in Medical Sciences
Toxicological Sciences	Open Biology	Food & Function
Journal of Physiology and Pharmacology	International Biodeterioration & Biodegradation	Gene
Gene Reports	Applied Biochemistry and Biotechnology	Theriogenology
PLOS ONE	Systems Biology in Reproductive Medicine	Reproductive Sciences
Molecular Human Reproduction	Journal of Cellular Physiology	Analytical Cellular Pathology

In Funded Projects:

Acted as reviewer for DBT-BIRAC and Kerala State Council for Science, Technology and Environment Project Proposals for funding

PhD Thesis Evaluation:

Number of theses evaluated: 15

RESEARCH GUIDANCE (PhD/PG/OTHERS)

Ph.D: 4 Awarded, 5 Ongoing	M.Phil: 12 Awarded	M.Sc: 40 Awarded
M.Tech: 1 Awarded	B.Tech: 3 Awarded	IAS Fellow: 4 Awarded

RESEARCH GRANTS | PROJECTS

As Principal Investigator

S.No	Title of the Project	Funding Agency	Amount in Lakh	Status
1	Evaluation of the Effect of Acute Inflammation on Histone H3 Modifications in Rat Testis and Its Implications in Testicular Steroidogenesis	DBT	21.63	Completed
2	A Study on Proinflammatory Cytokines Mediated Histone H3 Modifications in R2C Leydig Cells and Its Implications in Regulation of Testicular Steroidogenesis	ICMR	20.15	Completed
3	Evaluation of the Effect of Acute Inflammation on Histone H3 Modifications in Rat Pancreas and Its Implications in Insulin Gene Transcription	UGC	13.17	Completed
4	Role of Class II Histone Deacetylases in Regulation of Insulin Gene Transcription	DST	16.70	Completed
5	Elucidation of the role of SIRT4 in testicular steroidogenesis	SERB	38.26	Completed
6	Design and Evaluation of Oxazole Based Novel Inhibitors for Aquaporins and to Study Their Efficacy on Testicular Leydig Cell Function in Diabetes	TANSCHE	31.88	Completed
7	Study on Glucose Regulation of Aquaporins in Testicular Leydig Cell Function	RUSA	12.36	Completed

As Mentor

1	Screening and functional validation of miRNAs in Leydig cells under inflammation	DST-WOS (A)	28.84	Completed

As Co-Principal Investigator

1	Delineating the Association of Histone Deacetylases with Nurd Complex and Its Modulatory Effect in Tumorigenesis of Lung Cancer	ICMR	31.08	Ongoing
2	Evaluation of Histone Deacetylase Inhibitors in Modulation of Pulmonary Fibrosis Mediated by TGF Beta Signalling in Sars-Cov-2 Infection	ICMR	51.04	Ongoing

PROFILE VIEW

https://www.bdu.ac.in/schools/life-sciences/biochemistry/faculty.php

http://drcplab.weebly.com/

https://orcid.org/0000-0001-6947-9732

https://scholar.google.com/citations?user=kJmLtjcAAAAJ&hl=en

https://www.researchgate.net/profile/Prahalathan-Chidambaram

https://www.scopus.com/authid/detail.uri?authorId=8273223300

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