

# CURRICULUM VITAE

## DR. RUDRA PRAKASH OJHA

Associate Professor

Department of Biochemistry,

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Ph.D., in Neuro-Biochemistry with Sixteen years of Academics, Research and Administrative experience.

## ACADEMIC QUALIFICATIONS

Qualification	Institute/University	Year
<b>Ph.D. Biochemistry</b>	SASTRA University, Thanjavur, T. N	2010
<b>M.Sc. Biochemistry</b>	University of Allahabad, Prayagraj	2002
<b>B.Sc. (Biology)</b>	ECC, University of Allahabad, U. P	2000

**Ph.D., Thesis entitled** “Studies on neurochemical alterations and oxidative stress mediated dopaminergic degeneration in the MPTP model of Parkinson’s disease: Protective effect of withanolides and curcuminoids”.

## POST DOC. EXPERIENCE

- “Differential expression between age related Senile Dementia of Alzheimer’s type (SDAT) and Alzheimer’s patients” IMS, BHU, Varanasi, U.P (Jan-Dec.2012)

## OVERSEAS EXPERIENCE

- “*Mitochondrial ETC mediated oxidative stress intended Dopaminergic neuronal degeneration in Parkinson’s disease*”, **Prof. Gino Cartopassi**, Research Group (UC-Davis, California, USA, March 2010-July 2011)
- “*Free Radicals, antioxidant and Neurodegenerative disorders*” workshop held at Oxygen Club of California (OCC), Santa Barbara, California, USA (Mar 12- 27 2008)

## EDITOR/EDITORIAL BOARD MEMBER

- Editor in Frontiers in Pharmacology
- Advances in Cancer Diagnosis & Radiotherapy (ISBN: 978-81-926925-1-0)
- Advances in Biosciences and Technology (ISBN: 978-81-926925-9-3)
- Editorial Secretary of Journal of Nehru Gram Bharati University (ISSN:2319 9997)
- Frontiers in Research (ISSN: 2812 3456)
- Human Rights: Various Dimensions in 21<sup>st</sup> Century (ISBN: 978-81-908246-2-0)
- NGB News Letter (2013-16, 17-18)
- NGB Annual Report (2017-18, 18 – 19, 21-22)

## PROFESSIONAL MEMBERSHIPS

1. Society for Neurosciences (SfN), Washington DC. USA
2. Society for Free Radical Research (SFRR), Europe
3. Indian Academy of Neurosciences (IAN), India
4. Brain Behavior Research Foundation of India (BBRFI), New Delhi

## ADDITIONAL QUALIFICATIONS

1. Advance Diploma in Computer Application from NCLM Shikshan Sansthan, Allahabad.
2. Knowledge of GLP & GMP guidelines.
3. Knowledge of clinical trials.

## RESEARCH / PROFESSIONAL EXPERIENCE (16.0 years)

**08/2024 – till date:** Associate Professor, Dept. of Biochemistry, University of Lucknow, Lucknow, U.P

**12/2012-08/2024:** Associate Professor, Dept. of Zoology, Nehru Gram Bharati, Deemed University, Prayagraj, U.P  
Dean, Faculty of Science, Nehru Gram Bharati, Deemed University, Prayagraj, U.P  
Director, Research Centre, Nehru Gram Bharati, Deemed University, Prayagraj, U.P

**07/2012 - 12/2012:** Post-Doctoral research work at the Advanced Centre for Traditional and Genomic Medicine, Faculty of Ayurveda, Institute of Medical Sciences, Banaras Hindu University, Varanasi. Project entitled “Differential expression between age related Senile Dementia of Alzheimer’s type (SDAT) and Alzheimer’s patients”

**08/2008-06/2012:** Asst. Professor-I, CARISM, SASTRA University, Thanjavur, Tamilnadu.

**10/2007 - 04/2011:** Employed as Biochemist in DST sponsored project- Evaluation of Siddha polyherbal formulation in the management of obesity, CARISM, SASTRA University.

**07/2006 - 06/2008:** Employed as Senior Research Fellow in DST sponsored project “Establishment of GLP Compliance Animal House Facility for Advanced Research in Indian System of Medicine” CARISM, SASTRA University.

**08/2004 - 06/2006:** Worked as Research scholar in the Dept. of Ocular Biochemistry, Dr. R. P. Centre, All India Institute of Medical Sciences (AIIMS), New Delhi. Project entitled *Differential expression of Rb gene in human retinoblastoma cells*.

**TEACHING EXPERIENCE (18 years)**

**12/2012-08/2024:** Associate Professor, Dept. of Zoology, Nehru Gram Bharati Deemed University, Prayagraj, U.P

**09/2008-06/2012:** Asst. Professor-I, CARISM, SASTRA University, Thanjavur, Tamilnadu, India

**RESEARCH SUPERVISOR****Ph.D. Supervised/Awarded:**

Sl. No.	Scholar's Name	Awarded Year	Research Topic
1	Dr. Sangita Srivastava	2019	A study on growth and development of infants with reference to their feeding pattern: A field survey of Allahabad city
2	Dr. Ruchi Singh	2019	Impact of Dietary Habits and Uric Acid on type-II diabetes mellitus and associated complications: An epidemiological study at Kanpur District
3	Dr. Poonam Tiwari	2019	A comparative study on health and nutritional level of children and their mothers adopting feeding and non-feeding pattern: with reference to rural and urban area of Jaunpur District
4	Dr. Punam Mishra	2020	Studies on nutrition and its impact on child development
5	Dr. Sarita Srivastava	2020	Parent child relationship as predictor of self concept of adolescents from rural and urban areas of Gorakhpur district
6	Dr. Juhi Mishra	2021	Study on effect of oral antioxidant ( <i>alpha</i> tocopherol) supplementation on oxidative stress in patients with photo aggravated skin rash
7	Dr. Vijay Kumar	2024	Studies on prevention and management of Neurological Disorder with special reference to Depressive Disorders
8	Dr. Khusboo Pal	2025	To explore Lipid Peroxidation and Antioxidant Enzymes in Pregnant women Suffering from Pre-Eclampsia: Sub-Urban Area of Prayagraj and Adjacent Districts

**Pursuing scholars:**

Sl. No.	Scholar's Name	CRET Year	Research Topic
01	Pradeep Upadhyay	2019	Studies on phytohormones and nif gene expression in novel PGPR formulation

02	Ku. Priya	2020	Insilco studies of selected herbals and $\beta$ -amyloid proteins in Alzheimer's disease
03	Ms. Shikha Singh	2022	Studies on vermicomposting and organic waste management
04	Ms. Pragati Rai	2024	Targeting gut microbiota to modulate neurobehavioral and molecular alterations in a murine model of irritable bowel syndrome

### ADMINISTRATIVE EXPERIENCE (16 years)

**12/2012-11/2023** Director, Research Centre, Nehru Gram Bharati (Deemed University) Prayagraj, U.P

- Centre Superintendent of Semester and Annual Examination of the NGB University.
- Member of Proctorial, Editorial Board and other Executive Council Committee of the University.

**08/2008-06/2012:** Hostel Warden, Boys Hostel of SASTRA University, Thanjavur, Tamilnadu.

### PATENT APPLIED/GRANTED

Sr. No.	Inventors	Title	Reference ID.
01	Rudra P. Ojha, G. P. Dubey	Herbal composition for the Prevention and management of oral Cancer	202111025915
02	Rudra P. Ojha, G.P.Dubey	Regulation of leptin metabolism by an Ayurvedic formulation and its significance in prevention and management of obesity and obesity related complications	202111041264
03	Rudra P. Ojha, Rajesh K. Kesharwani	IOT based wearable health monitoring device	383007-001

### RESEARCH PROPOSALS APPLIED/GRANTED

**1. Acknowledgement received from ICMR, ND, India (Recently submitted one project as PI of budget 08 Cr. (INR) in collaboration with NIMHANS, Bangluru and University of Allahabad, Prayagraj);**

Call for Investigator-Initiated Research Proposals for intermediate extramural grants - 2025 proposal titled "Unravelling the Nexus between gut-microbiome, -metabolome, and age-related health among the Tribal, Rural, and Urban Populations of Central India" has been successfully submitted at the ICMR e-PMS portal (08-Apr-2025 14:49:50 PM); The reference id of your proposal is <IIRPIG-2025-01-00615. currently under review.

**2. ROLE OF HERBAL FORMULATION "ZEOMAC" FOR THE PREVENTION AND MANAGEMENT OF BREAST CANCER (ADJUVANT THERAPY)**

A collaborative proposal with BHU, Varanasi; Submitted to: Department of Biotechnology Ministry of Science and Technology Government of India New Delhi,

India (PI: Prof. G. P. Dubey, Co-PI: Dr. Rudra Prakash Ojha) Ref. no. BT/PR38341/DRUG/134/59/2020

**Major objective:**

Taking leads from Ayurvedic system of medicine we have developed a novel herbal formulation advocated for the prevention and management of breast cancer. Based on our findings we have submitted patent application in India, USA and European Union after the identification of phyto- molecules acting on various receptors involved in breast cancer. The present test formulation is based on the combinatorial effect of three plant extract namely *Moringa oleifera*, *Amaranthus spinosus* and *Coccinia indica*. The employed formulation has demonstrated anti-inflammatory, antioxidant, immune-modulator and anti-cancer property on pre-clinical studies. Phyto-molecules acting on various targets involved in Breast cancer. The pre-clinical studies have demonstrated anti- inflammatory, anti-oxidants, immunomodulatory activity associated with breast cancer. Extensive epidemiological studies have been carried out under network program showing significant association with various parameters.

**3. STUDIES ON LEAD OPTIMIZATION INTENDED TO PRE CLINICAL AND CLINICAL THERAPEUTIC VALIDATION OF SELECTED PUTATIVE DRUG CANDIDATES IN THE PREVENTION AND MANAGEMENT OF ORAL ONCOGENESIS"**

A collaborative proposal with BHU, Varanasi; Submitted to: Department of Biotechnology Ministry of Science and Technology Government of India New Delhi, India (PI: Dr. Rudra Prakash Ojha, Co-PI: Prof. G. P. Dubey) Ref. No. BT/PR39444/DRUG/134/10/2020

**Major objectives:**

Epidemiological survey-based study to find out risk factors associated with oral cancer. Further, nutritional study of the population deficient with protein-energy malnutrition, folic acid deficiency, hyper-homocysteinemia, association of arsenic and other heavy metal in drinking water, residual pesticides intended to cancer metastasis. Extraction, standardization of bioactive compounds, *in silico* and *in vitro* screening, lead optimization and animal model studies to find out therapeutic doses. To investigate the role of Inflammatory cytokines including TNF- $\alpha$ , IFN- $\gamma$ , IL-1 $\beta$ , IL-6 and other inflammatory markers in the preclinical study. To investigate the effect of herbal components against the different targets of oral cancer-related pathways such as cell signalling, cell cycle regulation, oxidative stress response, and inflammation. Further, to investigate the synergistic effect of selected herbs in the prevention and management of oral cancer.

**4. Herbals as enhancer of tumour radio-sensitivity for improving cancer radiotherapy**

**Major objective:**

The proposed research aims to explore radiosensitizing potential of the selected herbals and their bioactive compounds on tumour cells for the new drug

development. In particular, we propose to study the compounds which display synergistic cytotoxic effects on tumour cells in combination with ionizing radiation relating to establishing improved protocol for cancer radiotherapy **DST, WOS-A Project (Ref. No.: SR/WOS-A/LS-206/2013).** (PI: Ms. Renu Dayal, Co-PI: **Dr. Rudra Prakash Ojha**).

### EXPERIENCE DOMAIN

- Organised various National and International Conferences with capacity of Coordinator, Convenor and Organising Secretary.
- Successfully organised an International Conference in the capacity of Organising Secretary; *“Bridging Innovative Research in Translational and Interventional Health”* (BIRTH-2025) held during November 13-15, 2025, at Department of Biochemistry, University of Lucknow, Lucknow”
- Coordinated **Research Methodology Course Work** as per UGC regulations, pre-requisite for Ph.D. program at NGB University Prayagraj and conducting at Department of Biochemistry, UoL
- Conducted Undergraduate (B.Tech/B.Sc., B.Pharm) and Postgraduate classes (M.Tech/M.Pharm/M.Sc) of Life Sciences; Zoology and Bioinformatics at SASTRA University, Thanjavur, TN, NGB University Prayagraj and conducting at Department of Biochemistry, UoL
- Supervising Ph.D. scholars (Life Sciences) for their respective doctoral research work.
- To prepare research proposals for various Doctoral Fellowship schemes and open proposals to Government funding agencies.
- Conducted **M. Pharm** classes for Pharmacology, Pharmaceutics (Pharmaceutical Biotechnology) & Pharmaco-informatics (Drug Metabolism and Toxicology).
- Conducted **B.Tech/ M.Tech** Biotechnology and Biochemistry classes.
- Prepared project for **OSDD programme** of CSIR entitled “Isolation, characterization and target-based screening of Indigenous medicinal plants against drug resistant *Mycobacterium tuberculosis*.
- Participated in Govt. approved **Drug Testing Laboratory** for Quality control standardization of putative drug candidates as per GMP guidelines.

### TRAININGS

- Immunohistochemistry (IHC) and Transmission Electron Microscopy in** Dept. of Pathology, National Institute of Mental Health and Neurosciences (NIMHANS), Bangalore (Jan-Feb 2010).
- M.Sc. dissertation work **“The study of cytokines in women infected with lower genital tract infections”** Institute of Pathology (IOP), ICMR, New Delhi (01/2004 – 07/2004).

## INVITED LECTURES/RESOURCE PERSON/EXPERT

- Invited and delivered talk at AICTE Sponsored (ATAL) Revolutionizing Healthcare: The Role of AI in Drug Development, Clinical Trials, and Practice online workshop; organised by IIIT-Allahabad; October 13-18, 2025.
- Invited as Resource Person at 02 days National workshop September 17-18, 2025 organised Department of Anthropology, Mahatma Gandhi Antar-Rastriya Vishwavidyalaya, Vardha; sponsored by Indian Council of Social Science Research (ICSSR), New Delhi.
- Invited as Resource person and delivered talk on “Artificial Intelligence and Environmental Sciences” at UGC-MMTTC (under the scheme of Madan Mohan Malviya Teacher Training Programme, Ministry of Education, Government of India) of the college is organizing an online **Multidisciplinary Refresher Course in Social Sciences: New Concepts & Currents** from 24th June to 09th July, 2025. Organised by ISDC, University of Allahabad.
- Invited as Resource Person at 03 days hands on training on Environmental Techniques from 09-11 January 2025; organised by SS Khanna PG College, University of Allahabad.
- Invited as Resource Person in an International Conference entitled “Interdisciplinary Insights: Artificial Intelligence and Holistic Health Care” and delivered talk on “Ayurveda and Healthy Ageing”; organised by Chandra Shekar Singh College of Pharmacy, Kaushambi, Prayagraj (December 2023).
- Invited as Resource Person in an International Conference entitled “Role of Education, Literature, Culture and Society in the Global Scenario” and delivered talk on Research Perspective and NEP 2020; organised by Tribhuvan University, Nepal (April 2023).
- Conducted JRF to SRF up-gradation of Ms. Padmini Mishra in the department of Medicinal Chemistry, IMS, BHU, Varanasi (April 2023).
- Chaired Viva voce Examination of Ms. Bharti Pathak, Dept. of Microbiology, Motherhood University, Roorki, UK as an External Expert (Oct.2022).
- Invited talk on Herbals and Healthy Aging, organised by Brain Behaviour Research Foundation of India, New Delhi (Nov.2022).

## PUBLICATIONS (Cumulative Impact factor 46.5/H INDEX 18/ i10 INDEX 16)

I. Edited Book: **Frontiers in Homocysteine metabolism: implications in Nutrition and health**, Springer Nature, Singapore, 2022.

### BOOK CHAPTERS/RESEARCH PUBLICATIONS:

1. Vijay K. Verma, Santosh Kumar, Sarita K. Yadav, **Rudra P. Ojha** (2024) Prevalence of Diabetes Mellitus and Its association with socio-economic status, Mood Disorder and Nephropathy in Prayagraj, U.P, (2021-2022), **European Journal of Pharmaceutical and Medical Research**, 11 (7), 503-509. ([https://www.ejpmr.com/home/abstract\\_id/12331](https://www.ejpmr.com/home/abstract_id/12331))
2. Vijay K. Verma, Malti Arya, Sarita K. Yadav, **Rudra P. Ojha** (2024) An overview of novel herbal remedies with anti-diabetic and anti-mood disorder activity. **YMER**, 23 (06), 769-786. (<https://ymerdigital.com/uploads/YMER2306B2.pdf>)

3. Aleena Anwar, Leena Sapra, Navita Gupta, **Rudra P Ojha**, Bhupendra Verma, Rupesh K Srivastava (2023) Fine-tuning osteoclastogenesis: An insight into the cellular and molecular regulation of osteoclastogenesis, **Journal of Cellular Physiology**, 238 (7), 1431-1464. (IF 6.5) [doi:10.1002/jcp.31036](https://doi.org/10.1002/jcp.31036)
4. Pradeep Upadhyay, Vinay Kumar Singh and **Rudra P Ojha** (2023) Computational Structural and Functional Characterization of Azorhizobium caulinodans NifH Protein and Associated Cluster Analysis. *J Biotechnol Bioinforma Res*, 2023 Volume 5(4): 1-13.
5. Rinki Kumari, Vandana Yadav, Simon Agongo Azure, Disha Sharma, Sudhanshu Mishra, Sneh Shalini, **Rudra P Ojha** (2022), Homocysteine Metabolism and Risk of Breast Cancer in Women. *Homocysteine Metabolism in Health and Disease*, 173-192, **Springer Nature Singapore**.
6. Rajesh Dubey, UP Shahi, VN Mishra, D Jain, Akanksha Mishra, Govind Prasad Dubey, **Rudra P Ojha** (2022) Nutritional Determinants in Hyper homocysteinemia. *Homocysteine Metabolism in Health and Disease*. 37-50, **Springer Nature Singapore**.
7. **Rudra P Ojha**, Govind Prasad Dubey, UP Shahi, VN Mishra, D Jain, Pradeep Upadhyay (2022), Genetic Polymorphism in Homocysteine Metabolism. *Homocysteine Metabolism in Health and Disease*. 135-157. **Springer Nature Singapore**.
8. Rajesh K Kesharwani, Govind Prasad Dubey, VN Mishra, D Jain, Rajesh Dubey, **Rudra P Ojha** (2022) Management of Neurogenic Hyper homocysteinemia (HHcy) by a Plant-Based Formulation. *Homocysteine Metabolism in Health and Disease*. Pages 229-239, **Springer Nature Singapore**.
9. Govind Prasad Dubey, VN Mishra, D Jain, Sunil Dubey, **Rudra P Ojha** (2022), Genetic Susceptibility to Neural Tube Defect (NTD) and Hyper-homocysteinemia. *Homocysteine Metabolism in Health and Disease*. Pages 195-204. **Springer Nature, Singapore**.
10. Ajay Kumar Tiwari, Abhimanyu Kumar Singh, Ashok Kumar Pathak, **Rudra P. Ojha**, Raghvendra Singh Yadav, Anupam Dikshit (2022) Innovative investigation of zinc oxide nanoparticles used in dentistry. *Crystals*, 12 (08), 1063-1072.
11. Rinki Kumari, Anita Venaik, Md Al Hasibuzzaman, Simon Agongo Azure, **Rudra P. Ojha**, and Ajay Kumar Sahi (2021) Repurposing of the Herbals as Immune-Boosters in the Prevention and Management of covid-19: A Review. Kumari et al. | *J Pure Appl Microbiol* | 15(1):1-19, <https://doi.org/10.22207/JPAM.15.1.35>
12. Juhi Mishra, Beenu, **Rudra P. Ojha**, Sudha Yadav, Rakesh Kumar (2019) Effect of oral antioxidant (alpha-tocopherol) supplementation on oxidative stress in skin rashes. Vol 20 (5), 01-05, 2019, ISSN No.-9726-001X ID – JCS-9726-001X
13. Sarita Srivastava and **Rudra P. Ojha** (2018) A Comparative Study of Parent Child Relationship According to Sex, Areas, Family type and Family monthly income of the Adolescents. *Fundamental Research*, 8 , 156-161.
14. Renu Dayal, Amrita Singh, **Rudra P. Ojha**, K. P. Mishra (2015) Possible therapeutic potential of *Helicteres isora* (L.) and its mechanism of action in diseases. *Journal of Medicinal Plants Studies*; 3(2): 95-100.

15. Amrita Singh, Renu Dayal, **Rudra P. Ojha**, K. P. Mishra (2014) Promising Role of *Moringa Oleifera* (Lam.) In Improving Radiotherapy: An Overview, *Biomedicine* 2(1) 34-41.
16. M Rastogi, **Rudra P. Ojha**, C Sagar, A Agrawal, GP Dubey (2013) Protective effect of curcuminoids on age-related mitochondrial impairment in female Wistar rat brain, *Biogerontology*, 1-11.
17. **Rudra P. Ojha**, Dayal R, Singh A, Mishra KP (2012) Redox imbalance ameliorates tumor genesis: promising indigenous medicinal plants and their bioactive compounds as chemo preventive and therapeutic agents, *JNGBU*, 1,(1), 12-24.
18. **Rudra P. Ojha**, Manisha Rastogi, B. Parimala Devi, Aruna Agrawal and G. P. Dubey (2012) Neuroprotective effect of curcuminoids against inflammation mediated dopaminergic neurodegeneration in MPTP model of Parkinson's disease. *Journal of Neuroimmune pharmacology* (IF 4.12)
19. Manisha Rastogi, **Rudra P. Ojha**, Abha Aggarwal, B. Parimala Devi, Aruna Agrawal and G. P. Dubey (2011) Amelioration of age associated neuro-inflammation on long term bacosides treatment. *Journal of Neurochemical Research* (IF 2.61)
20. Manisha Rastogi, **Rudra P. Ojha**, P. C. Prabu, B. Parimala Devi, Aruna Agrawal and G. P. Dubey (2011) Prevention of age associated neurodegeneration and promotion of healthy brain ageing in female Wistar rats on long term use of bacosides. *Biogerontology* (IF 3.4)
21. Aruna Agrawal, Manisha Rastogi, **Rudra P. Ojha**, C. S. Sahayam, L. Upadhyay, G. V. Rajamanickam and G. P. Dubey. Obesity associated dementia among elderly – role of a plant-based poly herbal formulation. *Indian Journal of Gerontology*. 2009, Vol. 23 (2) Page No. 145 -166.
22. Manisha Rastogi, **Rudra P. Ojha**, G. V. Rajamanickam, Aruna Agrawal and G. P. Dubey. Curcuminoids modulates oxidative damage and mitochondrial dysfunction in diabetic rat brain. *Free Radical Research*. 2008. Vol.11 (2) Page No. 999-1005 (IF 2.937).
23. Manisha Rastogi, **Rudra P. Ojha**, G. P. Dubey, G. V. Rajamanickam, Aruna Agrawal and B. Parimala Devi. Alzheimer's disease and Medicinal plants- An overview. *Biomedicine*. 2008. Vol. 28 (2) Page No. 73-80.
24. **Rudra P Ojha**, Manisha Rastogi, G. V. Rajamanickam, Aruna Agrawal and G. P. Dubey. Protective effect of curcuminoids by inhibiting nNOS uncoupling mediated oxidative damage in experimental model of Parkinson's disease. *Proceedings of Annals of Neurosciences*. 2008, Vol 15, Page no. 57.
25. **Rudra P Ojha**, Manisha Rastogi, G. V. Rajamanickam, Aruna Agrawal, B. Parimala Devi and G. P. Dubey. Neuroprotective effect of curcuminoids on oxidative stress induced cytochrome-c mediated apoptosis in experimental model of Parkinson's disease. *Proceedings of Annals of Neurosciences*. 2007, Vol 14, Page no. 68.

## INTERNATIONAL & NATIONAL PAPER PRESENTATIONS

1. "Neuroprotective effect of curcuminoids on MPTP induced dopaminergic neurodegeneration", paper has been selected for presentation in *SfN, San Diego*,

**CA, USA (Nov. 13-17, 2010).**

2. "Neuroprotective effect of curcuminoids by inhibition of nNOS mediated mitochondrial complex-I impairment in MPTP model of Parkinsons disease, paper presented in **SFRR, Hyderabad, India (Jan. 11-13, 2010)**
3. Neuroprotective effect of curcuminoids on oxidative stress and mitochondrial dysfunction in MPTP model of Parkinson's disease", paper presented in **SfN, Chicago, U.S.A (Oct. 16th-21st -09 )**
4. Protective effect of withanolides on dopaminergic neuronal degeneration in experimental model of Parkinson's disease", paper accepted in **SfN, Washington, DC, U.S.A (Nov. 15th-19th-08)**
5. Modulation of mitochondrial complex I activity and nNOS expression in experimental model of Parkinson's disease Neuroprotective effect of curcuminoids", **awarded poster presentation in World Congress of Oxygen Club of California, Santa Barbara, U.S.A (Mar. 12th -15th -08)**
6. Protective effect of curcumin on oxidative stress induced cytochrome- c mediated apoptosis in experimental model of Parkinson's disease", paper accepted in an International conference on Mitochondria and oxidative stress in neurodegenerative disorder organized by **New York Annals of Academy, New York, USA (Sep. 26th -29th-07 )**
7. Antioxidant and neuroprotective effects of polyherbal drug formulation in experimental model of Parkinson's disease", poster presentation in International Conference on "Emerging Trends in Free Radical and Antioxidant Research" organized by **SFRR- Asia, Lonavala, India, (Jan. 8th -11th, 2007)**
8. Modulation of tissue plasminogen activator by transforming growth factor-beta in human uveal melanoma cells", poster presentation **in 3rd National Conference Biotechnology Society of India, New Delhi (Dec.22nd - 24th Dec 2005)**
9. Role of *Tinospora cordifolia* in age-related macular degeneration", poster presentation in **32nd Annual Conference, Indian Immunology Society, Chandigarh (Nov.24th -27th 2005).**

#### **AWARDS & RECOGNITIONS**

- Recipient of **International Vidya Bhushan Samman**; Honored by Tribhuwan University, Nepal, 2023
- **Shiksha Ratna Samman**; honored by Kalindi Prakashan, U.P., India., 2023
- Recipient of **Shiksha Sewa Ratna Samman**; honored by Sonbhadra Manav Sewa Ashram (Trust), U.P., 2023
- Recipient of **Observer Young Scientist Excellence Award** honored by Observer peace Foundation, Varanasi, U.P., India., 2020
- Recipient of full Travel grant under Young Scientist Scheme from Dept. of Science & Technology (DST), New Delhi for paper presentation in an international

conference organized by SfN-2009, Chicago, IL, USA

- Full Travel grant from Dept. of AYUSH, New Delhi for paper presentation in World Congress of Oxygen Club of California, 2008, Santa Barbara, California, USA
- Recipient of best paper presentation award at OCC (Oxygen Club of California) in Santa Barbara, California, USA (12-15 March 08)
- Brilliant student award certificate from MHRD minister in Nov.2004

## KEY TECHNICAL SKILLS

- **Molecular biology techniques:** Preparation of cell lysate, Analysis of membrane bound proteins by 1D & 2D electrophoresis, western blotting, lympho-proliferative assay, Isolation of DNA & mRNA, agarose gel electrophoresis, RT-PCR.
- **Neuro-Electrophysiology instrumentation:** acquainted with EEG, Brain mapping to measure neuron density and P-300 to measure event related potential.
- **In-vivo studies:** Animal handling, model development for obesity and Parkinson's disease, behavioural studies for muscular co-ordination, cognitive decline and depression, basics of electrophysiological studies.
- **Tissue culture techniques:** Maintenance of primary cell lines of human retinoblastoma, chlamydial cell culture, TORCH screening & MTT assay.
- **Phytochemical analysis:** Fractionation of phytoconstituents and their quantification by HPTLC and HPLC, in-vitro assays in plant extracts.

## INSTRUMENTATION

<ul style="list-style-type: none"> <li>• UV-vis spectrophotometer</li> <li>• Spectrophotofluorimeter</li> <li>• Electrophoresis: 1D and 2D PAGE,</li> <li>• Gel documentation</li> <li>• RT – PCR</li> <li>• Western blotting</li> </ul>	<ul style="list-style-type: none"> <li>• ELISA</li> <li>• Autoanalyzer and Hemoanalyzer</li> <li>• HPLC &amp; HPTLC</li> <li>• Flowcytometry,</li> <li>• Immunohistochemistry</li> </ul>
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## CORRESPONDENCE ADDRESS

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## ONLINE SCIENTIFIC TRAINING AND WORKSHOP

WEBINAR ATTENDED : (40)

E-FDP ATTENDED : (05)

## REFERENCES

**1. Prof. M. M. S. Bharath**

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Dept. of Neurochemistry  
National Institute of Mental Health and  
Neurosciences (NIMHANS), Bangalore  
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