Curriculum Vitae

of

Dr. Rajnish Kumar Chaturvedi
Chief Scientist and Professor
Systems Toxicology and Health Risk Assessment Group

सीएसआईआर-भारतीय विषविज्ञान अनुसंधान संस्थान
CSIR-INDIAN INSTITUTE OF TOXICOLOGY RESEARCH
विषविज्ञान भवन, 31, महात्मा गाँधी मार्ग, पोस्ट बाक्स न० 80, लखनऊ-226001, उ.प्र., भारत
VISHVIGYAN BHAWAN, 31, MAHATMA GANDHI MARG, POST BOX NO 80, LUCKNOW-226001, U.P. INDIA

CURICULUM VITAE

Dr Rajnish Kumar Chaturvedi
Chief Scientist
Systems Toxicology & Health Risk Assessment Group
Professor, Biological Sciences
Academy of Scientific and Innovative Research (AcSIR)
(An Institution of National Importance by an Act of Parliament)
CSIR-Indian Institute of Toxicology Research
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Official Website: https://iitr.res.in/En/StaffDetail.aspx?id=139
ORCID ID: https://orcid.org/0000-0001-9591-7636
Google Scholar ID: https://scholar.google.com/citations?user=PXJQntIAAAAJ&hl=en

1.	**Name**	**Dr. Rajnish Kumar Chaturvedi**
2.	**Date of Birth**	August 1, 1978
3.	**Present designation:**	Senior Principal Scientist and Professor
4.	**Addresses with Tel/Fax/E-Mail:**	Developmental Toxicology Laboratory Systems Toxicology and Health Risk Assessment Group CSIR-Indian Institute of Toxicology Research, Academy of Scientific and Innovative Research (AcSIR) Vishvigyan Bhawan, 31 MG Marg, P.O. Box 80, Lucknow-226001 (UP) India Voice: 0522- 2627586 Ext: 255; Cell No. 09450418445 FAX: 0522-2628227 Email: rajnish@iitr.res.in, itrcrajnish@gmail.com
5.	**Academic Qualifications:**	

S. No.	**Degree**	**Subject**	**Class /CGPA**	**Year**	**University**
1.	10th	Biology Group	1st	1993	MP Board, Bhopal
2.	12th	Biology Group	1st	1995	MP Board, Bhopal
3.	B.Sc	Botany Chemistry Environmental Science	Ist	1998	Jiwaji University, Gwalior, M.P
4.	M.Sc	Microbiology	Ist	2000	Cancer Hospital and Research Institute, Jiwaji University, Gwalior, M.P
5.	Ph.D*	Microbiology	Awarded	2006	Jiwaji University, Gwalior, M.P and CSIR-IITR, Lucknow
6.	D.Sc. (Pursuing)	Science	Enrolled	2015	Barkatullah University, Bhopal,MP

***** Work done at CSIR-Indian Institute of Toxicology Research, Lucknow

Research Positions held (in chronological order):

S. No.	Period	Place of Employment	Designation	Scale of pay (Rs.)
1.	Oct 2019 - Till Date	CSIR-Indian Institute of Toxicology Research, Lucknow-India	Senior Principal Scientist Professor-AcSIR	Pay Matrix-13A (131100-216600) Grade Pay: 8900
2.	Oct 2014 - Oct 2019	CSIR-Indian Institute of Toxicology Research, Lucknow-India	Principal Scientist **(Got Merit Promotion)** Associate Professor-AcSIR	Pay Matrix-13 (123100-215900) Pay Scale (37400-67000) Grade Pay: 8700
3.	3rd Oct 2011-till date	CSIR-Indian Institute of Toxicology Research, Lucknow (UP)	Sr. Scientist **(Got merit promotion)** Assistant Professor-AcSIR	Pay band-III (15600-39100) Grade Pay: 7600
4.	3rd Oct 2008-2nd Oct 2011	CSIR-Indian Institute of Toxicology Research, Lucknow	Scientist C	Pay band-III (15600-39100) Grade Pay: 6600
5.	Sept 2006-Sept 2008	Weill Cornell Medical College, Cornell University, New York City, USA	Postdoctoral Fellow	USD 37000
6.	August 2004 - July 2006	CSIR-Indian Institute of Toxicology Research, Lucknow	CSIR-Senior Research Fellow	Rs 8000/+HRA
7.	July 2001-July 2004	CSIR-Indian Institute of Toxicology Research, Lucknow	Project Fellow	Rs 5000/-

Academic Positions held:				
1.	Oct. 2011	Oct 2015	Academy of Scientific and Innovative Research (AcSIR)-An Institution of National Importance by an Act of Parliament, CSIR-Indian Institute of Toxicology Research, Lucknow (UP)	Assistant Professor
2.	Oct. 2015	Oct 2019	Academy of Scientific and Innovative Research (AcSIR)-An Institution of National Importance by an Act of Parliament, CSIR-Indian Institute of Toxicology Research, Lucknow (UP)	Associate Professor
3	Oct. 2019	Till Date	Academy of Scientific and Innovative Research (AcSIR)-An Institution of National Importance by an Act of Parliament, CSIR-Indian Institute of Toxicology Research, Lucknow (UP)	Professor

Field of specialization: Molecular Biotechnology, Molecular Neurotoxicology, Stem Cell Neurobiology and regenerative medicine and Nanomedicine, Mitochondrial Dynamics, Neuroinflammation

R&D Activities

1) Normal brain development also referred as neurogenesis, involves a balance between Neural Stem Cell (NSC) proliferation, their migration to different parts of the brain followed by differentiation to neurons, astrocytes and oligodendrocytes. For optimum brain development newly generated neurons move along precise pathways from their points of origin to their assigned locations, establish synapses with each other, and communicate via these synapses. Several environmental toxicants are reported to cause developmental neurotoxicity in both children and adults. We are trying to understand how environmental toxicants (pesticides and xenoestrogen) affect key events of neurogenesis including regulatory cell signaling pathways. Further, we are involved to assess the molecular and/or cellular events that are target(s) for inhibition of neurogenesis.
2) Use of human and rodent Neural Stem Cells as an alternate *in vitro* model to assess the neurotoxic potential of environmental contaminants.
3) To assess the cellular and molecular mechanism of neurodegenerative disorders specially Parkinson's disease, and how environmental toxicants modulate the disease pathogenesis.
4) Identification of novel molecular therapeutic targets in neurodegenerative disorders.
5) Identification of molecules which can induce "BRAIN SELF REPAIR" by activating resident Neural Stem Cell Population.

Impact of contributions

The pioneer studies carried by our group have identified the role of neural stem cells in pathogenesis of Alzheimer's disease, where we found the process of generation of new neurons (neurogenesis) is inhibited in Alzheimer's disease. We found that environmental toxicants not only induce neurodegeneration but also inhibit process of neurogenesis and autophagy in the brain. We have developed a novel method to enhance the "brain self repair mechanism" using curcumin. We have established a novel role of Wnt/β-catenin signalling in curcumin mediated enhancement of neurogenesis in the Alzheimer's disease. Further, we identified three novel molecular target of curcumin *viz* Wif-1, Dkk and GSK-3β. We have provided conclusive evidence that ethosuximide an epileptic drug increased neuronal regeneration in rodent model of Alzheimer's disease and could be used for drug repurposing in patients of Alzheimer's disease. Similarly, nanoparticle mediated delivery of otherwise blood brain barrier impermeable drug dopamine could be a promising therapeutic approach in Parkinson's disease. Studies carried by us possess clinical relevance and could be useful to develop novel therapeutic strategies, which could enhance brain self repair mechanism by inducing endogenous neural stem cells, and ultimately relief behavioral symptoms in neurodegenerative disorders particularly Alzheimer's disease.

Title of the PhD Thesis

"Functional restoration in 6-hydroxydopamine lesioned rat model of Parkinson's disease using fetal neural transplant and co-graft with neuroprotective agents: Assessment by neurobehavioral, neurochemical and molecular indices".

Title of the DSc Thesis

"Cellular and Molecular Mechanism of Omi/HtrA2 role in Pathogenesis of environmental toxins induced Parkinson's Disease"

Awards/honors received

No.	Award	Year	Agency	Remarks
1.	**Vigyan Ratna Award**	2016	U.P. Council of Science and Technology	The award carries a scroll of honor, Memento, and cash prize of Rs. 250,000.
2.	**DBT National Bioscience Award**	2016	Department of Biotechnology, India	The award carries Rs15 lakhs research grant and Rs 2 lakhs cash.
3.	**OPPI Young Scientist Award**	2016	Organizers of Pharmaceutical Producers of India (OPPI)	The award carries a scroll of honor, Memento, and cash prize of Rs. 1,00,000.
4.	**Shri Om Prakash Sharma Young Scientist Award in Biomedical Research**	2016	Indian Academy of Biomedical Sciences	The award carries a medal, citation and cash prize of Rs. 5,000.
5.	**NASI-Scopus Young Scientist Award in the area of Medicine.**	2015	National Academy of Sciences-India and Elsevier-India	The award carries a scroll of honor, Memento, and cash prize of Rs. 75,000.
6.	**Lady Tata Memorial Young Scientist Award in the area of Medical Sciences.**	2014	Lady Tata Memorial Trust-United Kingdom	The award carries Rs 25 lakhs research grant and Rs 25,000/month cash award for three years.
7.	**National Academy of Sciences (NASI) Young Scientist Award in the area of Biochemistry, Biotechnology and Bio-Medical Sciences.**	2013	National Academy of Sciences, Allahabad-India	The award carries a scroll of honor, Memento, and cash prize of Rs. 25,000.
8.	**Indian National Science Academy (INSA) Young Scientist Award in the area of Health Sciences.**	2012	Indian National Science Academy-New Delhi	The award carries cash prize of Rs. 25,000 and honorarium Rs 7,500/month till 45 years by CSIR.
9.	Gauri Ganguly Memorial Young Scientist Award of Biomedical Sciences.	2012	Indian Science Congress Association (ISCA), Kolkata	The award carries cash prize of Rs. 5,000 and Memento.
10	Lucknow Youth Icons Award in the field of Science.	2009	Social Environmental & Educational Development Society	-
11.	**U.P. Council of Science and Technology Young Scientist Award**	2006	U.P. Council of Science and Technology	The award carries a scroll of honor, Memento, and cash prize of Rs. 25,000.
12.	First place in "Parkinson's Disease Quiz Contest	2005	Novartis Pharma	During 16th International Congress on Parkinson's disease, 5 -9 June 2005, at Berlin-Germany.
13.	Best paper award	2004	Federation of Asian-Oceanic Neuroscience Societies (FAONS)	During 2nd FAONS Symposium, 17-19 May, 2004, at Tehran, Iran.
14.	Best paper award	2003	National Brain Research Centre (NBRC)	International conference on Theoretical Neurobiology, 24-27 Feb 2003 at NBRC, New Delhi.
15.	Best paper award	2002	National Brain Research Centre	During INDO-US colloquium on Brain Research, 10-12 Jan 2002 at New Delhi

Fellowships received/Overseas Visits

S. No	Duration		Institute and the country of visit	Purpose of visit
	From DD/MM/YY	To DD/MM/YY		
1	22nd April 2019	24th April 2019	Boston, USA	To deliver an invited talk in Nanoworld Conference Boston-2019.
2	23th April 2018	25th April 2018	San Francisco, USA	To deliver an invited talk in Nanoworld conference-2018.
3	20th August 2017	24th August 2017	Paris, France	To deliver an invited talk in International Society of Neurochemistry (ISN) meeting. Received travel fellowship from ISN.
4	04th Feb 2013	08th Feb 2013	Columbus, USA	Received Travel Award Fellowship to attend Workshop 3: Disease
5	20th May 2013	24th May 20113	Cancun, Mexico	Young Investigator Travel Award Fellowship to attend ISN-ASN meeting
6	29th May 2011	03rd June 2011	Prague, Czech Republic	To present research work at 10th World Congress of Biological Psychiatry
7	31st August 2006	30th Sept 2008	New York, USA	For Post Doctoral Research Fellowship
8	8th July 2006	12th July 2006	Vienna, Austria	Recipient of "Young Investigator Travel Award Fellowship" of Federation of European Neuroscience Society (FENS) to attend the "5th FENS Forum"
9	2nd July 2006	5th July 2006	Singapore University, Singapore	Received "Travel Award Fellowship" of Asia Pacific Society of Neurochemistry (APSN) to attend the "7th Biennial APSN meeting"
10	21st August 2005	26th August 2005	Innsbruck, Austria	Received "Travel Award Fellowship" of ISN to attend the " 20th Biennial ISN-ESN meeting"
11	5th June 2005	9th June 2005	Berlin, Germany	Received "Asian Travel Award Fellowship" to attend the 16th International Congress on Parkinson's disease and Related Disorders
12	3rd Feb 2004	7th Feb 2004	Avignon, France	Recipient of "Young Investigator Travel Award Fellowship" of ISN to attend the First ISN Special Neurochemistry Conference
13	17th May 2004	19th May 2004	Tehran, Iran	Recipient of "Travel Award Fellowship" of FAONS to attend the "2nd Federation of Asian-Oceanic Neuroscience Societies (FAONS) Symposium"
14	3rd Feb 2004	7th Feb 2004	Hongkong	Received "Travel Award Fellowship" of ISN to attend ISN-APSN 6th Biennial Joint Meeting
15	27th Nov 2002	30th Nov 2002	Bangkok, Thailand	Received "Young Investigator Travel Award Fellowship" of ISN

Selected Publications: 10 most significant publications as Corresponding Author

S No	Authors	Title	Journal/Year/Vol/Pages	Impact factor/citation
1.	Tandon A, Singh SJ, Gupta M, Singh N, Shankar J, Arjaria N, Goyal S, Chaturvedi RK	Notch pathway up-regulation via curcumin mitigates bisphenol-A (BPA) induced alterations in hippocampal oligodendrogenesis	**J Hazard Mater.** 2020 Jun 15;392:122052. **(Corresponding Author)**	**I.F=14.224 Citation=36**
2.	Seth B, Yadav A, Agarwal S, Tiwari SK, Chaturvedi RK	Inhibition of the transforming growth factor-β/SMAD cascade mitigates the anti-neurogenic effects of the carbamate pesticide carbofuran	**J Biol Chem.** 2017 Nov 24;292(47):19423-19440 **(Corresponding Author)**	I.F=5.157 Citation=16
3.	Agarwal S, Yadav A, Tiwari SK, Seth B, Chauhan LK, Khare P, Ray RS, **Chaturvedi RK.**	Dynamin-related protein 1 inhibition mitigates Bisphenol-A mediated alterations in mitochondrial dynamics and neural stem cells proliferation and differentiation.	**J Biol Chem.** 2016 Jul 29;291(31):15923-39. **(Corresponding Author) This article has been selected by F1000 member and is most downloaded and read article in JBC Neurobiology Affinity Group.**	I.F=5.157 Citation=95
4.	Tiwari SK, Seth B, Agarwal S, Yadav A, Karmakar M, Gupta SK, Choubey V, Sharma A, **Chaturvedi RK**	Ethosuximide induces hippocampal neurogenesis and reverses cognitive deficits in amyloid-β toxin induced Alzheimer's rat model *via* PI3K/Akt/Wnt/β-catenin pathway.	**J Biol Chem.** 2015 Nov 20;290(47):28540-58 **(Corresponding Author)**	I.F=5.157 Citation=98
5.	Tiwari SK, Agarwal S, Tripathi A, **Chaturvedi RK**	Bisphenol-A Mediated Inhibition of Hippocampal Neurogenesis Attenuated by Curcumin via Canonical Wnt Pathway.	**Mol. Neurobiol.** 2015 May 12 **(Corresponding Author)**	I.F =5.590 Citation=115
6.	Pahuja R, Seth K, Shukla A, Shukla RK, Bhatnagar P, Chauhan LK, Saxena PN, Arun J, Patel DK, Singh SP, Shukla R, Khanna VK, Kumar P, **Chaturvedi RK,** Gupta KC.	Trans-Blood Brain Barrier Delivery of Dopamine Loaded Nanoparticles Reverses Functional Deficits in Parkinsonian Rats.	**ACS NANO.** 2015, 26;9 (5):4850-71 **(Corresponding Author) This article is selected for ACS Editor's choice and is most downloaded and read article.**	**I.F =18.03** Citation=236

This article has been featured and covered at-

1) http://www.indiamedicaltimes.com/2015/04/23/indian-scientists-develop-new-drug-for-parkinsons/?fb_action_ids=874400742580480&fb_action_types=og.comments
2) http://www.thehindu.com/todays-paper/tp-in-school/indian-scientists-develop-new-drug-for-parkinsons/article7135370.ece
3) http://gadgets.ndtv.com/science/news/new-nanoparticle-treatment-aims-to-reverse-parkinsons-disease-symptoms-684686
4) http://zeenews.india.com/news/health/diseases-conditions/indian-scientists-develop-new-drug-for-parkinsons_1583501.html
5) http://www.medicalnewstoday.com/articles/292848.php
6) http://health.economictimes.indiatimes.com/news/industry/indian-scientists-develop-new-drug-for-parkinsons/47024331
7) http://www.acs.org/content/acs/en/pressroom/presspacs/2015/acs-presspac-april-22-2015/nanoparticle-drug-reverses-parkinsons-like-symptoms-in-rats.html
8) http://phys.org/news/2015-04-nanoparticle-drug-reverses-parkinson-like-symptoms.html
9) http://www.sciencedaily.com/releases/2015/04/150422121900.htm
10) http://www.nanowerk.com/nanotechnology-news/newsid=39845.php
11) http://www.chemeurope.com/en/news/152595/nanoparticle-drug-reverses-parkinson-s-like-symptoms-in-rats.html
12) http://www.medindia.net/news/new-drug-for-parkinsons-condition-discovered-by-indian-researchers-148537-1.htm
13) https://genesisnanotech.wordpress.com/tag/nano-drug-therapies/
14) http://www.azonano.com/news.aspx?newsID=32618
15) http://www.nanotech-now.com/news.cgi?story_id=51354
16) http://www.asianscientist.com/2015/04/in-the-lab/nanoparticle-drug-reverses-parkinsons-like-symptoms-rats/
17) http://www.prdassociation.org/news/34747/nanoparticles-that-ferry-dopamine-to-the-brain-offer-potential-parkinsons-treatment.html
18) http://news.list-online.com/new-nanoparticle-treatment-aims-to-reverse-parkinsons-disease-symptoms-ndtv/
19) http://news.list-online.com/new-nanoparticle-treatment-aims-to-reverse-parkinsons-disease-symptoms-ndtv/
20) http://canaranews.com/news/health/Indian-scientists-develop-new-drug-for-Parkinsons/
21) http://ianslive.in/index.php?param=news/Indian_scientists_develop_new_drug_for_Parkinsons-473946/Health%20&%20Travel/35
22) https://connect.innovateuk.org/web/healthcare/article-view/-/blogs/nanoparticle-drug-reverses-parkinson-s-like-symptoms-in-rats
23) http://dailypulse.in/article.php?aid=238
24) http://app.newsgetter.com/go/?ng_uid=2375498A0105201506B88743698&referrer=app&destination=webapp

7.	Tiwari SK, Agarwal S, Seth B, Nair S, Yadav A, Bhatnagar P, Karmakar M, Chauhan LKS, Patel DK, Srivastava V, Singh D, Tripathi A, Gupta SK, **Chaturvedi RK,** Gupta KC	Curcumin Loaded Nanoparticles Potently Induce Adult Neurogenesis and Reverse Cognitive Deficits in Alzheimer's Disease Model *via* Canonical Wnt/β-catenin Pathway	**ACS NANO.** 2014 Jan 28;8(1):76-103 **(Corresponding Author)**	**I.F =18.03** Citation=552

This article has been featured and covered by-

1. Nature India: http://www.nature.com/nindia/2013/131212/full/nindia.2013.167.html
2. Chemical and Engineering News, USA (C&EN): http://cen.acs.org/articles/91/web/2013/12/Nanoparticles-Loaded-Curcumin-Boost-Memory.html
3. Chemistry views, USA, Wiley Publisher

	http://www.chemistryviews.org/details/news/5690481/Curcumin_A_Spice_Against_Alzheimers.html 4. Down to Earth: http://www.downtoearth.org.in/content/nano-carriers 5. http://chemicalpost.com/archive/nanoparticles-loaded-curcumin-boost-memory-alzheimer%E2%80%99s-animal-model 6. http://dbrilzen.jigsy.com/entries/general/nanoparticles-loaded-with-curcumin-boost-memory-in-alzheimer%E2%80%99s-animal-model			
8.	Tiwari SK, Agarwal S, Seth B, Yadav A, Ray RS, Mishra VN, **Chaturvedi RK**	Inhibitory Effects of Bisphenol-A on Neural Stem Cells Proliferation and Differentiation in the Rat Brain Are Dependent on Wnt/β-Catenin Pathway	**Mol. Neurobiol.** 2015 Dec;52(3):1735-57 **(Corresponding Author)**	I.F =5.590 Citation=123
9.	Tiwari SK, Agarwal S, Chauhan LKS, Mishra VN, and **Chaturvedi RK**	Bisphenol-A impairs myelination potential during development in the hippocampus of the rat brain.	**Mol. Neurobiol.** 2015 Jun;51(3):1395-416. **(Corresponding Author)**	I.F =5.590 Citation=73
10.	**Chaturvedi RK**, Hennessey T, Johri A, Tiwari S, Mishra D, Agarwal S, Kim YS, Beal MF	Transducer of regulated CREB-binding proteins (TORCs) transcription and function is impaired in Huntington's disease	**Human Molecular Genetics.** 21(15):3474-88, 2012 **(Corresponding Author)**	I.F =8.1 Citation=69
11.	Mishra D, Tiwari SK, Agarwal S, Sharma VP and **Chaturvedi RK**	Prenatal carbofuran exposure inhibits hippocampal neurogenesis and causes learning and memory deficits in offspring.	**Toxicological Sciences.** 127(1):84-100, 2012. **(Corresponding Author)**	I.F =5.1 Citation=68
12.	Johri A, **Chaturvedi RK,** Beal MF	Hugging tight in Huntington's disease.	**NATURE MEDICINE** 17(3):245-6, 2011	I.F =87 Citation=15

List of all peer-reviewed international publications

Peer reviewed publications (2003-2025):
Total papers published : 76
Total Citations : 6441
H Index : 40
I-10 index : 65
Cumulative impact factor : 310

S. No	Authors	Title	Journal/Year/Vol/ Page	Impact factor/ citation
1.	Ranjana Aggarwal, Prince Kumar, Suresh Kumar, Saurabh Tiwari, Rajnish Kumar Chaturvedi	Synthesis and biological evaluation of novel Trifluoromethylated Arylidene-hydrazinyl-thiazoles as neuroprotective agents	Bioorg Chem. 2025 Jun 1:159:108390. doi: 10.1016/j.bioorg.2025.108390.	I.F 4.7 Citation=1
2.	Tanu, Minal Chaturvedi, Siraj Fatima, Smriti Singh Yadav, Prabeen Kumar Padhy, Saurabh Tiwari, Kavita Seth, Rajnish K Chaturvedi, Smriti Priya	Expression analysis of molecular chaperones associated with disaggregation complex in rotenone-induced Parkinsonian rat model	Int J Biochem Cell Biol . 2025 Apr:181:106752. doi: 10.1016/j.biocel.2025.106752.	I.F 2.8 Citation=1
3.	Tiwari S, Phoolmala, Goyal S, Yadav RK, **Chaturvedi RK.**	Bisphenol-F and Bisphenol-S (BPF and BPS) Impair the Stemness of Neural Stem Cells and Neuronal Fate Decision in the Hippocampus Leading to Cognitive Dysfunctions.	Mol Neurobiol. 2024 Apr 18. doi: 10.1007/s12035-024-04160-1. **(Corresponding Author)**	I.F 5.59 Citation=18
4.	Manjari S, Abraham SM, Poornima R, Chaturvedi RK, Maity S, Komal P.	Unprecedented effect of vitamin D3 on T-cell receptor beta subunit and alpha7 nicotinic acetylcholine receptor expression in a 3-nitropropionic acid induced mouse model of Huntington's disease.	IBRO Neurosci Rep. 2023 Jul 14;15:116-125.	I.F 2.8 Citation=10
5.	Mishra B, Gautam GJ, **Chaturvedi RK**, Ansari NG, Mishra VN.	Ecological and Health Risk Assessment of Heavy Metals Bioaccumulation in Ganges Fish Near Varanasi, India.	Biol Trace Elem Res. 2023 Dec 26.	I.F 3.6 Citation=11
6	Singh SJ, Tandon A, Phoolmala, Srivastava T, Singh N, Goyal S, Priya S, **Chaturvedi RK.**	Bisphenol-A (BPA) Impairs Hippocampal Neurogenesis via Inhibiting Regulation of the Ubiquitin Proteasomal System	Mol Neurobiol. 2023 Feb 25. doi: 10.1007/s12035-023-03249-3. **(Corresponding Author)**	I.F 5.59 Citation=15
7	**Goyal S**, Tiwari S, Seth B, Phoolmala, Tandon A, Kumar Chaturvedi R.	Bisphenol-A Mediated Impaired DRP1-GFER Axis and Cognition Restored by PGC-1α Upregulation Through Nicotinamide in the Rat Brain Hippocampus	Mol Neurobiol. 2022 Aug;59(8):4761-4775. **(Corresponding Author)**	I.F 5.59 Citation=7
8.	Goyal S, Seth B, **Chaturvedi RK.**	Polyphenols and Stem Cells for Neuroregeneration in Parkinson's Disease and Amyotrophic Lateral Sclerosis	Curr Pharm Des. 2022;28(10):806-828. **(Corresponding Author)**	I.F 2.8 Citation=7
9.	Goyal S, Tiwari S, Seth B, Tandon A, Shankar J, Sinha M, Singh SJ, Priya S,	Bisphenol-A inhibits mitochondrial biogenesis via impairment of GFER mediated mitochondrial protein	Neurotoxicology. 2021 Jul;85:18-32. **(Corresponding Author)**	I.F 3.59 Citation=26

	Chaturvedi RK.	import in the rat brain hippocampus.		
10.	Goyal S, **Chaturvedi RK.**	Mitochondrial Protein Import Dysfunction in Pathogenesis of Neurodegenerative Diseases.	Mol Neurobiol. 2021 Apr;58(4):1418-1437. **(Corresponding Author)**	I.F 5.59 Citation=25
11.	Srivastava T, Raj R, Dubey A, Kumar D, **Chaturvedi RK**, Sharma SK, Priya S	Fast kinetics of environmentally induced α-synuclein aggregation mediated by structural alteration in NAC region and result in structure dependent cytotoxicity.	Sci Rep. 2020 Oct 27;10(1):18412.	I.F 3.996 Citation=33
12.	Tandon A, Singh SJ, **Chaturvedi RK.**	Nanomedicine against Alzheimer's and Parkinson's disease.	Curr Pharm Des. 2020 Oct 21. doi: 10.2174/1381612826666201021140904. **(Corresponding Author)**	I.F 2. 8 Citation=13
13.	Mishra VN, Kumari N, Pathak A, **Chaturvedi RK**, Gupta AK, Chaurasia RN.	Possible Role for Bacteriophages in the Treatment of SARS-CoV-2 Infection.	Int J Microbiol. 2020 Sep 19;2020:8844963.	I.F 3.113 Citation=17
14.	Yadav A, Tandon A, Seth B, Goyal S, Singh SJ, Tiwari SK, Agarwal S, Nair S, **Chaturvedi RK.**	Cypermethrin Impairs Hippocampal Neurogenesis and Cognitive Functions by Altering Neural Fate Decisions in the Rat Brain.	Mol Neurobiol. 2021 Jan;58(1):263-280. **(Corresponding Author)**	I.F 5.59 Citation=29
15.	Yadav A, Seth B, **Chaturvedi RK.**	Brain Organoids: Tiny Mirrors of Human Neurodevelopment and Neurological Disorders.	Neuroscientist. 2020 Jul 29:1073858420943192. **(Corresponding Author)**	I.F 7.519 Citation=18
16.	Seth B, Yadav A, Tandon A, Shankar J, **Chaturvedi RK**.	Carbofuran hampers oligodendrocytes development leading to impaired myelination in the hippocampus of rat brain.	Neurotoxicology. 2019 Jan;70:161-179. **(Corresponding Author)**	I.F =2.8 Citation= 23
17	Tandon A, Singh SJ, Gupta M, Singh N, Shankar J, Arjaria N, Goyal S, Chaturvedi RK	Notch pathway up-regulation via curcumin mitigates bisphenol-A (BPA) induced alterations in hippocampal oligodendrogenesis	**J Hazard Mater.** 2020 Jun 15;392:122052. **(Corresponding Author)**	**I.F=14.226** Citation=45
18	Singh S, Mishra A, Mohanbhai SJ, Tiwari V, **Chaturvedi RK**, Khurana S, Shukla S.	Axin-2 knockdown promote mitochondrial biogenesis and dopaminergic neurogenesis by regulating Wnt/β-catenin signaling in rat model of Parkinson's disease.	Free Radic Biol Med. 2018 Dec;129:73-87.	**I.F =8.101** Citation= 76
19.	Tandon A, Singh SJ, **Chaturvedi RK**.	Stem Cells as Potential Targets of Polyphenols in Multiple Sclerosis and Alzheimer's Disease.	Biomed Res Int. 2018 Jul 12;2018:1483791. **(Corresponding Author)**	I.F =3.411 Citation=36
20.	Bansal R, Seth B, Tiwari S, Jahan S, Kumari M, Pant AB, **Chaturvedi RK,** Kumar P, Gupta KC.	Hexadecylated linear PEI self-assembled nanostructures as efficient vectors for neuronal gene delivery.	Drug Deliv Transl Res. 2018 Apr 18. doi: 10.1007/s13346-018-0517-5.	I.F =5.80 Citation=9
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17. ***Chaturvedi RK**, Shukla S and Mishra VN. IM.S Rao (Ed.), Neural Development and Stem Cells. Book review. **Journal of Chemical Neuroanatomy.** 2007, 34, 65-66. **I.F 2.7**
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19. **Chaturvedi RK** and Agrawal AK. Charles A. Nelson, Monica Luciana (Eds.), Handbook of Developmental Cognitive Neuroscience, Book review. Journal of Chemical Neuroanatomy. 2005, 29, (4), 296. **I.F 2.7**
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Abstracts Published in International Journals/Conference proceedings:

1. Yadav RK, Tiwari S, Phoolmala, **Chaturvedi RK.** "Effect of BPA on Neogenin 1, a regulator of adult hippocampal neurogenesis in rat brain".India International Science Festival (IISF) YSC 2023. THSTI Faridabad, 17 -20 January 2024.
2. Tiwari S, **Chaturvedi RK**. "Xenoestrogen Bisphenol-S &Bisphenol-F mediated effects on neurogenesis in the rat brain hippocampus".India International Science Festival (IISF) YSC 2023. THSTI Faridabad, 17 -20 January 2024.

3. Phoolmala, Goyal S, Singh SJ, Tiwari S, Yadav RK, **Chaturvedi RK**. "Bisphenol-A (BPA) mediated effects on mitochondria trafficking in the rat brain hippocampus". India International Science Festival (IISF) YSC 2023.THSTI Faridabad, 17 -20 January 2024.
4. Singh SJ, Tandon A, PhoolMala, Srivastava T, Singh N, Goyal S, Priya S, **Chaturvedi R**. "Effects of Bisphenol-A(BPA) on proteasome system in the rat brain hippocampus". Journal of Neurochemistry Special Issue: 2023, 166, 109-110. ISN-ESN 2023 Meeting, Meeting, Porto, Portugal, 8th – 11th August 2023.
5. Phoolmala, Goyal S, Singh SJ, Tiwari S, Yadav RK, **Chaturvedi RK.** "Effect of Bisphenol-A (BPA) on mitochondrial trafficking in rat brain hippocampus".ISN-ESN 2023, Porto,Portugal, 8th – 11th August 2023.
6. Singh SJ, Tandon A, Phoolmala, Srivastava T, Singh N, Goyal S, Priya S, **Chaturvedi RK**. Inhibitory effect of Bisphenol-A (BPA) on proteasome machinery during Neurogenesis in the rat brain. Journal of Neurochemistry . Page No 103, March 2022.
7. Singh SJ, Tandon A, Phoolmala, Srivastava T, Singh N, Goyal S, Priya S, **Chaturvedi RK**. Inhibitory effect of Bisphenol-A (BPA) on proteasome machinery during Neurogenesis in the rat brain. 8th International Symposium on Current Trends in Drug Discovery Research - 2022 (CTDDR-2022), March 12-14, 2022, CSIR-Central Drug Research Institute, Lucknow.
8. Tiwari S, Goyal S , Phoolmala, Yadav RK, Shankar J, **Chaturvedi RK**. Environmental toxicant bisphenol alternatives (BPS & BPF) mediated effect(s) on neurogenesis in the rat hippocampus. Journal of Neurochemistry P 130, August 2022.
9. **Chaturvedi RK.** Drug Repurposing In Alzheimer's Disease: Focus on Adult Neurogenesis. **Indian Journal of Clinical Biochemistry,** 2022 ,32 (S1), S32-S32
10. Phoolmala, Goyal S, Singh SJ, Tiwari S, Yadav RK, **Chaturvedi RK**. "Targeting Mitochondrial Trafficking by Environmental Toxicant Bisphenol-A in the Rat Hippocampus". XL Annual Meeting of Indian Academy of Neurosciences–2022 (IAN-2022), December 8 to 10, 2022, North-Eastern Hill University, Shillong, India.
11. Goyal S, Tiwari S, SJ Singh, Shankar J and **Chaturvedi RK.** Impairment of Mitochondrial Biogenesis and Nuclear Factors Regulating Mitochondrial Protein Network by Bisphenol-A in Rat Hippocampus (EMSI-2020).
12. Goyal S, ATandon, Singh SJ, Shankar J, **Chaturvedi RK.** Targeting mitochondrial dynamics by environmental toxicant bisphenol-A in the rat hippocampus (2019 ISN-ASN Meeting) [Journal of Neurochemistry; 2019 International Society for Neurochemistry, J. Neurochem. (2019) 150 (Suppl. 1), 73-161].
13. Singh SJ, Tandon A, Goyal S, Shankar J, Arjaria N, **Chaturvedi RK.** Cellular and molecular mechanism of bisphenol-a (BPA) mediated effect(s) on protein quality control in the rat hippocampus (2019 ISN-ASN Meeting) [Journal of Neurochemistry; 2019 International Society for Neurochemistry, J. Neurochem. (2019) 150 (Suppl. 1), 73--161]
14. Tandon A, Singh SJ, Gupta M, Singh N, Goyal S, Shankar J, Arjaria N, **Chaturvedi RK.** Curcumin inhibits bisphenol-a (BPA) mediated rat hippocampal de-myelination via notch signaling (2019 ISN-ASN Meeting) [Journal of Neurochemistry; 2019 International Society for Neurochemistry, J. Neurochem. (2019) 150 (Suppl. 1), 73-161].
15. Singh SJ, Tandon A, Goyal S, Singh N, Shankar J, Arjaria N, **Chaturvedi RK.** Impact of Bisphenol-A (BPA) on protein homeostasis in the rat hippocampus: Cellular and Molecular Mechanism (YSC-IISF 2019).
16. Tandon A, Singh SJ, Shankar J, Arjaria N and **Chaturvedi RK.** "Curcumin Exerts Neuroprotection Against Bisphenol-A (BPA) Mediated De-Myelination in the Rat Brain". 4th International Toxicology Conclave, 2-3rd November 2018, CSIR-Indian Institute of Toxicology Research (IITR), Lucknow, Uttar Pradesh, India.
17. Tandon A, Singh SJ, Shankar J, Arjaria N and **Chaturvedi RK.** "Curcumin Mediated Neuroprotection Against Bisphenol-A (BPA) Induced Deficits in Rat Brain Hippocampal Myelination". Young Scientist Conference, India International Science Festival (IISF), 5-6th October, 2018 at Indira Gandhi Pratishthan, Lucknow, Uttar Pradesh, India.
18. Goyal S, Shankar J, Arjaria N and **Chaturvedi RK**. Implications of Bisphenol-A on mitochondrial Dynamics and Biogenesis in the Hippocampus of rat brain. Poster presented at 4th International Toxicology Conclave during November 2-3, 2018, CSIR-IITR, Lucknow, India.
19. Goyal S, Shankar J, Arjaria N and **Chaturvedi RK**. Bisphenol-A Mediated Alterations in Mitochondrial Dynamics, Biogenesis and Neurogenesis in Hippocampus of the Rat Brain. Poster presented under themed "Swasth Bharat" at India International Science Festival (IISF-2018) during October 5-6, 2018, Indira Gandhi Pratisthan (IGP), Lucknow, India.

20. Singh SJ, Tiwari S, Agarwal S, Tandon A, Shankar J, Arjaria N and **Chaturvedi RK**. "Bisphenol-A (BPA) Exposure and its Effects on Neurogenesis, Autophagy and Ubiquitin Proteasome System (UPS) in Rat Brain". 4thInternational Toxicology Conclave (ITC-2018), during 2nd-3rd November 2018 at CSIR-IITR, Lucknow.
21. Singh SJ, Tiwari S, Agarwal S, Tandon A, Goyal S, Shankar J, Arjaria N and **Chaturvedi RK**. "Bisphenol-A (BPA) mediated alteration in neurogenesis, autophagy and ubiquitin proteasome system (UPS) in rat brain" during 05-08 October 2018 at Young Scientists' Conference, India International Science Festival (IISF- 2018), Indira Gandhi Pratisthan (IGP), Lucknow.
22. **Chaturvedi RK.** Activation of hippocampal neurogenesis and reversal of cognitive deficits in Alzheimer's rat model by Ethosuximide are PI3K/Akt/Wnt-β catenin dependent. 26th ISN- ESN joint biennial meeting. Paris, France 16-24 August 2017. **Journal of Neurochemistry 142, 59-59.**
23. Yadav A and **Chaturvedi RK.** PGC-1α induces neural stem cell differentiation and reverses cognitive deficits in amyloid beta toxin induced model of Alzheimer's disease. 14th ISN Advanced school on neurochemistry and 26th ISN- ESN joint biennial meeting. Paris, France 16-24 August 2017. **Journal of Neurochemistry 142, 143-143.**
24. Seth B, **Chaturvedi RK.** Anti-neurogenic Effects of Carbofuran Mitigated through Inhibition of Transforming Growth Factor-β/Smad Cascade in the Rat Hippocampus. Symposium on Clean Enviornment and Health. CSIR-National Botanical Research Institute, Lucknow, 17-19 March 2018
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29. Singh SJ, Goyal S, Agarwal S, Shankar J, Arjaria N and **Chaturvedi RK.** Bisphenol-A mediated alteration in autophagy, mitochondrial dynamics and ubiquitin proteosome system in rat brain. Molecular medicines for lifestyle diseases: Emerging target & approaches. CDRI Lucknow, India 20-21 November 2017.
30. Seth B and **Chaturvedi RK.** Inhibitory Effects of Carbofuran on Neuronal Differentiation in the Rat Brain Are Dependent on TGF-β Pathway. India International Science Festival (IISF) - Young Scientists' Conclave (YSC), Dec 8-11, 2016.
31. Yadav A, Tiwari SK, Agarwal S, Seth B and **Chaturvedi RK.** Early Life Exposure of Bisphenol and its Effects on Brain development. India International Science Festival (IISF) - Young Scientists' Conclave (YSC), Dec 8-11, 2016.
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68. Shukla S, Agrawal AK, **Chaturvedi RK,** Seth K, and Seth PK. Co-transplantation with OEC and VMC: Long-term functional restoration in 6-OHDA lesioned rat model of Parkinson's disease. **J. Neurochemistry.** 2004, 88 (S1),P35-3, p 88. **(I.F 4.96)**
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71. Seth K, Agrawal AK, Aziz MH, Shukla Y, **Chaturvedi RK,** Shukla S, Sinha C and Seth PK. Cypermethrin-induced oxidative injury and expression of immediate early response genes in rat pheochromocytoma (PC12) cells. **J. Neurochemistry.** 2004, 88 (S1), P26-13, p67. **(I.F 4.96)**
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78. **Chaturvedi RK,** Agrawal AK, Seth K, Shukla Y, Shukla S and Seth PK. Co-transplantation with GDNF and VMC: A better approach in restoration of neurobehavioral function in 6-OHDA lesioned rat model of Parkinson's disease. **Journal of Neurochemistry.** 2003, Vol. 87 (S1), 107. **(I.F 4.96)**
79. Shukla S, Agrawal AK, Seth K, **Chaturvedi RK** and Seth PK. Supplemental role of antioxidants in fetal ventral mesencephalic cell (VMC) and olfactory ensheathing cell (OEC) transplantation. **Journal of Neurochemistry.** 2003, Vol. 87 (S1), 107. **(I.F 4.96)**
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Invited lecture(s) delivered in India / abroad and chaired scientific International Conference Symposium

1) Invited talk at "International Conference on Recent Trends in Biotechnology-2023" during 18-19th July 2023 at CUTM, Bhubaneshwar.
2) Session chair and Invited talk at 9th Annual Conference of Association of Physiologists of India 27th to 29th Oct. 2023 at KGMU, Lucknow.
3) Session Chair in theme Neuro-Critical Care in "Precision Medicine and Intensive Care conference held at KGMU, Lucknow during 09-02-24 to 11.02.24
4) Member of SGPGI Ethics committee for Ethics Guidelines for Biomedical & Health Research involving Human Participants".
5) Jury Member in "Young Scientist Conclave" during India International Science Festival (IISF-2023).
6) Invited talk at 36th Annual Meeting of Society for Neurochemistry India (SNCI), &: International Conference on One Health and Translation Research in Neurosciences (SNCI-CON 2022) from 10th - 12th November, 2022 at IIIT, Nagpur.
7) Invited talk at "International Symposium on Toxicology & Applied Pharmacology" scheduled held on 29th -30th September 2022 at NIPER, Raebareli
8) Invited talk in webinar on 18 Jan 2022, under "Azadi Ka Amrit Mahotsav" celebration, at NIPER, Raebareli
9) Mid-year meeting cum technical symposium of INYAS held at BARC, Mumbai during September 16-18, 2022.
10) Jury Member in "Young Scientist Conclave" during India International Science Festival (IISF-2022).
11) Invited Jury Member in "Students Engineering Model Competition" during India International Science Festival (IISF-2022).

12) Invited Talk at NIPER Raebareli on 18th January 2022 on topic **Regenerative Medicine in Alzheimer's Disease.**
13) Invited Talk at Delhi University on 15th September 2021**.**
14) Invited Talk at Malyesia University, Malayesia University on 1st October 2021**.**
15) Jury Member in "Young Scientist Conclave" during India International Science Festival (IISF-2021).
16) Invited Jury Member in "Students Engineering Model Competition" during India International Science Festival (IISF-2021).
17) Invited Jury Member in "Young Scientist Conclave" during India International Science Festival (IISF-2020) during 22-25 December 2020.
18) Invited Jury Member in "Students Engineering Model Competition" during India International Science Festival (IISF-2020) during 22-25 December 2020.
19) Invited guest speaker in National Conference on "Drug Repurposing: Reinvent Recycle & Reuse" by Amity University of Pharmacy, Amity University, Lucknow during 3rd-4th March, 2020 at Amity University, Lucknow.
20) Invited Jury Member in "Young Scientist Conclave" during India International Science Festival (IISF-2019) during 5th-8th October, 2019 at Biswa Bangla Convention Center, Kolkata.
21) Invited guest speaker in International Conference on "Frontiers in Neuroscience and Neurochemistry: Dynamic Challenges and Approaches" along with 33rd Annual Meeting of Society for Neurochemistry India (SNCI) during 10th-12th October, 2019 at Jamia Hamdard University, New Delhi.
22) Invited featured speaker in "**Nanoworld Conference Boston-2019**, during 22nd 24th April, 2019, held at **Boston, USA**.
23) Invited Speaker in International Conference on "Neurochemistry and Neuropharmacology: From Bench to Bedside" along with 32nd Annual Meeting of SNCI on theme "Neurochemistry and Cognitive Research in Promoting Healthy Brain" during 14th-16th March, 2019 at JSS College of Pharmacy, JSS Academy of Higher Education & Research, Mysuru.
24) Invited Speaker in National Seminar RAABB-on theme "Recent Advances in Applied Biochemistry and Biotechnology" on 9th March, 2019 at Department of Biochemistry, Lucknow University, Lucknow.
25) Invited Speaker in Central Zone ACBICON-2018 on theme "Recent Advancements in Molecular Diagnostics" during 21st-22nd July, 2018 at Department of Biochemistry, KGMU, Lucknow.
26) Invited Speaker in Health Conclave-2018 on theme "Transforming Indian Health" during 5-20th Oct, 2018 at India International Science Festival, KGMU, Lucknow.
27) Invited Quiz Jury Member in Health Conclave-2018 on theme "Transforming Indian Health" during 5-20th Oct, 2018 at India International Science Festival, KGMU, Lucknow.
28) Invited featured speaker in Nanoworld Conference during 23rd-25th April, 2018, held at **San Francisco, USA**.
29) Invited guest speaker in 10th NIPER Raebareli Conference during 27th-28th March, 2018, at 10th NIPER Raebareli.
30) Invited guest speaker in 16th Annual meeting of Society for Free Radical Research in India (SFRRI-2018) and International Conference on "Translational Research in Free Radicals, Micronutrient Antioxidants and Functional Foods" during 28th Feb-1st March, 2018, at Aryakul College of Pharmacy& Research, Lucknow.
31) Invited guest speaker in National Conference on "National Conference on Renewable energy: Present and future perspective in Research and Industries" during 28th Feb-1st March, 2018, at Aryakul College of Pharmacy& Research, Lucknow.
32) Invited guest speaker in 31st Annual National Conference of Society for Neurochemistry, India and National Conference on "Advances in Research on Aging and Neurological Disorders" during 20th-22nd Sept, 2017, at Banaras Hindu University, Varanasi.
33) Invited guest speaker in ISN-ESN Biennial meeting of International Society of Neurochemistry (ISN) 20-24th August, 2017 at **Paris, France**.
34) Invited guest speaker in 44th National Conference of Association of Clinical Biochemists of India on "Emerging Trends in Clinical Biochemistry: From Evidence Based Medicine to Molecular Medicine" during 3rd Dec-6th Dec, 2017, at King George Medical University, Lucknow.
35) Invited guest speaker in "10th International Undergraduate Medical Students Research Conference of INFORMER" on "Bench to Bedside: Translational Medicine" during 13-16 July, 2016 at Era's Lucknow Medical College and Hospital, Lucknow.

36) Invited guest speaker in "Organization of Pharmaceutical Producers of India Annual Meeting-21st October, 2016" at Taj Stand Hotel, Mumbai.
37) Invited guest speaker in "8th NIPER (RBL)-CSIR-CDRI Symposium" on "Current Trends in Medicinal Chemistry and Pharmaceutical Sciences in Drug Discovery" during 18-19 March, 2016 at National Institute of Pharmaceutical Education and Research (NIPER), Raebareli.
38) Keynote speaker at the one day symposium "Emerging Trends in Biomedical Sciences" on 27th January, 2016, organized by Symbiosis School of Biomedical Sciences (SSBS), at Symbiosis International University (SIU), Pune.
39) Invited key note speaker in "Current Trends in Life Sciences" Lecture Series sponsored by DBT-BU-IPLS Programme during 6th April 2015 at Department of Microbiology, Barkattulah University, Bhopal.
40) Invited lecture in National Conference on Ethnopharmacology and Biotechnology in Drug Development: Prospects and challenges 14-15 Nov 2014 at Bundelkhand University, Jhansi.
41) Invited lecture in 6th NIPER (RBL)-CSIR-CDRI Symposium on Current Scenario in Drug Discovery & Development during 20-22 Fab 2014 at CSIR-Central Drug Research Institute, Lucknow.
42) Invited Lecture in International Conference on Advances in Free Radicals, Redox Signaling and Translational Antioxidants Research & XII Annual Meeting of the Society for Free Radical Research-India during 30th Jan-1st Fab 2013 at CSIR-IITR, Lucknow.
43) Invited guest speaker in "SNCI-CON, 2014" & 28th Annual Meeting of the Society for Neurochemistry, India, at Sri Ramachandra University, Chennai.
44) Young Investigator Travel Award Lecture in Young Investigator Colloquia of International Society of Neurochemistry ISN-ASN Biennial Meeting, **Cancun, Mexico**-2013.
45) Invited Lecture in 83rd Annual Session of the National Academy of Sciences, India and Symposium on Space for Human Welfare during 5-7 Dec, 2013 at Goa University, Goa.
46) Invited Lecture in SFRR-STAR-2013 on topic "Curcumin loaded nanoparticles potently induce adult neurogenesis and reverse cognitive deficits in Alzheimer's disease model via canonical Wnt/β-catenin pathway".
47) Invited Lecture in Indian Science Congress, Gauri Ganguly Memorial Young Scientist Session during 5-8 January 2013 at Kolkata.
48) Invited Lecture in XXXII Annual Conference of Society of Toxicology (STOX),India & International Symposium on New Frontiers in Toxicology during 5-7 December 2012 at CSIR-IITR, Lucknow.
49) Invited Speaker in CSIR-Foundation day celebrations, Young Scientist Session during 26th Sept 2010 at CSIR-CIMAP, Lucknow.
50) Young Investigator Travel Award lecture in 10th World Congress of Biological Psychiatry, during 29 May-03 Jun 2011 at **Prague**, **Czech Republic**.
51) Invited speaker in Second National Conference on Emerging Areas in Biomedical Sciences, 27 March 2010 at Institute of Biomedical Sciences, Bundelkhand University, Jhansi.
52) Session Chair in Second National Conference on Emerging Areas in Biomedical Sciences, 27 March 2010 at Institute of Biomedical Sciences, Bundelkhand University, Jhansi.
53) Invited speaker in National Seminar on Biotechnology & Health during 19-20 March 2010 at ITM University, Gwalior.

Editorial Board Member:

1) Research and Reviews: Journal of Toxicology
2) International Journal of Neuropathology
3) Advances in Parkinson's Disease
4) BioMed Research International (I.F 2.8)
5) Evidence Based Complementary and Alternative Medicine (I.F 4.78)
6) Neural Plasticity (I.F 2.864)
7) Journal of Chemical Neuroanatomy (I.F 2.9)
8) International Invention of Scientific Journal
9) International Journal of Neurology Research
10) Nature Scientific Report
11) Neuroscience Insights
12) Journal of Commissure
13) Journal of Molecular Biosciences

Member of review committee of International journals:

1. Nutritional Neuroscience- An International Journal on Nutrition, Diet and Nervous system.
2. Progress in Neuro-Psychopharmacology and Biological Psychiatry
3. Neurodegeneration
4. Neuroscience Letters
5. Stem Cells
6. Neurobiology of Disease
7. Neurobiology of Aging
8. Human Experimental Toxicology
9. Toxicology Letters
10. Molecular and Cellular Medicine
11. Molecular Neurobiology

Member of International/National Societies and Academies:

- **Member of Review Committee on Genetic Manipulation Task Force of Department of Biotechnology, New Delhi. (2019-2022)**
- **Member of Uttar Pradesh State Forest and Wild Life Board, Government of U.P.**
- Member of Editorial Board of Indian National Young Academy of Sciences-INYAS, Newsletter.
- **Elected fellow of Academy of Environmental Biology 2018- (FAEB)**
- **Elected member of Indian National Young Academy of Sciences of INSA-New Delhi, (INYAS)-MINYAS-2018**
- **Elected Member of National Academy of Sciences (NASI)- Allahabad.**
- Society for Neuroscience (SFN)-USA
- Society of Toxicology-USA
- New York Academy of Sciences (NYAS)-USA
- International Society of Neurochemistry (ISN)
- International Society of Developmental Neuroscience (ISDN)
- International Neurotoxicology association (INA)
- International Society of Autonomic Nervous System (ISAN)
- International Brain Research Organization (IBRO)
- Indian Academy of Neurosciences (IAN)
- Molecular and Cellular Cognition Society (MCCS)
- Asian Pacific Society of Neurochemistry (APSN)
- Expert member of Joint FAO/WHO Expert Committee on Food Additives (JECFA) for the duration of 2023-2027.
- Expert Member of Project Review Panel of Czech Science Foundation, 2025.
- Expert Member of Project Review Panel of European Science Foundation, 2024.
- Expert Member of UKRI ESRC Peer Review College, 2025.

- Expert panel member of the Evaluation panel P306 Pharmacology, Toxicology, Medical Biochemistry, Medical Biophysics at the Czech Science Foundation, 2024.

Other information:

Research paper Published	: 67
Papers presented conferences/symposia	: 50
Invited Lectures in Workshops and Symposia	: 38

Students supervised:

M Sc : 30
M Tech. : 6
M.Pharma : 6
PhD : **6 (Awarded as PI)**
4 (Awarded as Co-PI)
1 (Submitted)
8 are currently working for PhD

Research Fellows presently working:

SRF (CSIR) : Two
SRF (DBT) : One
SRF (ICMR) : One
JRF (UGC : One
Project Fellow : Three

Extramural Grants/CSIR Network Projects completed/ongoing:

S No	Title of Project	Project Category	Participating/Funding Agency	Status	Your Role as defined
1.	Role of ubiquitin dependent proteosome pathway in the regulation of brain plasticity and cognitive functions in Alzheimer's Disease	Grant-in-Aid project	DST SERB, New Delhi	Completed (2017-2020)	Principal Investigator
2.	Transcriptional factor SIRT/REST/PGC-1alpha axis in regulation of neural stem cells differentiation for induction of Brain Self Repair in Alzheimer's Disease	Grant-in-Aid project	DBT, New Delhi	Completed (2017-2020)	Principal Investigator
3.	Neural Stem Cells Biology with special emphasis to decipher the role of transcription factors in regulation and enhancement of brain self repair mechanism in Alzheimer's Disease	Young Scientist Grant	Lady Tata Memorial Trust-UK	Completed (2014-2019)	Principal Investigator
4.	Investigative toxicology-New paradigms" (SIP-08) activity:- **"**Cypermethrin mediated effects on the regulatory dynamics of neurogenesis in the brain: Cellular and molecular mechanism**"**	Supra-Institutional, SIP-08	CSIR-IITR and other CSIR labs	Completed (2011-2014)	Principal Investigator
5.	DST FAST Track Project Grant*:-* "Cellular and molecular mechanism (s) of pesticide mediated alterations in the regulatory dynamics of neurogenesis (neural stem cell proliferation, migration and differentiation) in the rat brain.*"*	DST- Grant-in- Aid Project, Young Scientist Grant	CSIR-IITR	Completed (2011-2014)	Principal Investigator
6.	CSIR-Network Project:- "Establishment of neural stem cells as an *in vitro* tool to study neurotoxic potential*"*	CSIR-Network project NWP-17	CSIR-IITR and other CSIR labs	Completed (2010-2012)	Principal Investigator
7.	ICMR Project Grant:- "Effects of xenoestrogen Bisphenol-A on the neural stem cell proliferation, migration and differentiation (neurogenesis): Cellular and molecular mechanism*"*	ICMR-Grant Aided Project	CSIR-IITR	Completed (2011-2014)	Principal Investigator
8.	DBT Project Grant:- "Studies on Alterations in Molecular events involved in developmental neurotoxicity of cypermethrin"	DBT-Grant-in-Aid Project	CSIR-IITR	Completed (2012-2015)	Co-PI
9.	Department of Environment and Forests (DoEF) Grant:- "Assessment of stabilizer Bisphenol A in plastic baby	DoEF- Grant-in- Aid Project	CSIR-IITR	Completed (2010-2013)	Co-PI

	feeding bottles leachates"				
10.	CSIR-Network Project:- "Assessment of neuroprotective potential of novel drug candidates in models of neurodegenerative disorders"	CSIR-Network project	CSIR-IITR and other CSIR labs	Completed (2012-2017)	Principal Investigator
11.	CSIR-Network Project:- "Role of Omi/HtrA2 protease family proteins in pathogenesis of environmental toxins induced Parkinson's disease"	CSIR-Network project – MiND	CSIR-IITR and other CSIR labs	Completed (2012-2017)	Principal Investigator
12.	CSIR-Network Project:- "Cellular and molecular mechanisms of Xenoestrogen Bisphenol-A mediated effects on autophagy and mitochondrial dynamics in the rat brain"	CSIR-Network project – InDEPTH	CSIR-IITR and other CSIR labs	Completed (2012-2017)	Principal Investigator
13.	CSIR-Network Project:- "Role of Small Molecules / natural products in the restoration of endogenous neurogenesis"	CSIR-Network project – MedCHEM	CSIR-IITR and other CSIR labs	Completed (2012-2017)	Principal Investigator and IITR Co-ordinator

Certified that above information is correct.

Date: 21.08.24
Place: Lucknow

सीएसआईआर-भारतीय विषविज्ञान अनुसंधान संस्थान
CSIR-INDIAN INSTITUTE OF TOXICOLOGY RESEARCH

वैज्ञानिक तथा औद्योगिक अनुसंधान परिषद्
COUNCIL OF SCIENTIFIC & INDUSTRIAL RESEARCH

Email: director@iitr.res.in

CSIR-IITR, Lucknow is the only multidisciplinary research institute in the field of toxicology in South East Asia with the motto:

"Safety to environment & health and service to industry".

R&D Areas

- Food, Drug & Chemical Toxicology
- Environmental Toxicology
- Regulatory Toxicology
- Nanotherapeutics & Nanomaterial Toxicology
- Systems Toxicology & Health Risk Assessment

Services Available

- GLP certified pre-clinical toxicity studies
- Safety / toxicity evaluation of New Chemical Entities
- Air, Soil & water quality monitoring and assessment
- Analytical services
- Information on chemicals / products
- Consultancy
- Collaborative & Contract Research

Recognitions

- Scientific & Industrial Research Organizations (SIROs)
- UP Pollution Control Board (Water & Air)
- Indian Factories Act (Drinking Water)
- Bureau of Indian Standards (Synthetic Detergents)
- Food Safety & Standards Authority of India (FSSAI)

Technologies Developed / Available

- Water Analysis Kit
- Mobile Laboratory Van for on spot water quality analysis
- Argemone Detection Kit for rapid screening of Argemone in mustard oil
- CD-Strip for detection of butter yellow, an adulterant in edible oils
- Arsenic Detection Kit

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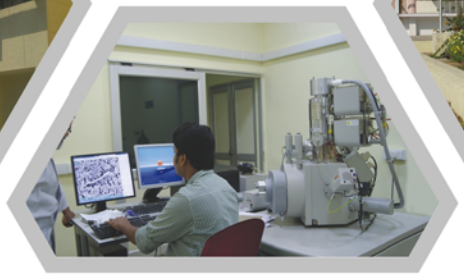


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Toxicity Testing: **GLP** Test Facility