



*Paper Published*

### **List of Publications**

1. Richa Gupta, Rajendra K. Shukla, Lalit P. Chandravanshi, Pranay Srivastava, Yogesh K. Dhuriya, Jai Shanker, Manjul P. Singh, Aditya B. Pant, Vinay K. Khanna. Protective Role of Quercetin in Cadmium Induced Cholinergic Dysfunctions in Rat brain by Modulating Mitochondrial Integrity and MAPkinases Signalling. *Mol Neurobiol* 2016; 10.1007/s12035-016-9950-y.
2. Richa Gupta, Rajendra K. Shukla, Ankita Pandey, Tanuj Sharma, Yogesh Dhuriya, Pranay Srivastava, Manjul P. Singh, Mohammad Imran Siddiqi, AB Pant and Vinay K. Khanna. Involvement of PKA/DARPP32/PP1 $\alpha$  and  $\beta$ -arrestin/Akt/Gsk-3 $\beta$  signaling in Cadmium Induced DA-D2 Receptor Mediated Motor dysfunctions: Protective Role of Quercetin. *Scientific Reports* (submitted after revision).
3. Rajendra K Shukla, Richa Gupta, Pranay Srivastava, Yogesh Dhuriya, Anshuman Singh, Lalit P Chandravanshi, Ajay Kumar, M. Haris Siddiqui, Devendra Parmar, Aditya B Pant, and Vinay K Khanna. Brain cholinergic alterations in rats subjected to repeated immobilization or forced swim stress on lambda-cyhalothrin exposure. *Neurochemistry International* 2016; 93: 51 – 36.
4. Pranay Srivastava, Yogesh Dhuriya, Richa Gupta, Rajendra K Shukla, Rajesh Singh Yadav, Hari Nath Dwivedi, Aditya B Pant and Vinay K Khanna. Protective Effect of Curcumin by Modulating BDNF/DARPP32/CREB in Arsenic-Induced Alterations in Dopaminergic Signaling in Rat Corpus Striatum. *Mol Neurobiol*. 2016; DOI 10.1007/s12035-016-0288-2.
5. Rajendra K Shukla, Yogesh Dhuriya, Lalit P Chandravanshi, Richa Gupta, Pranay Srivastava, Aditya B Pant, Ajay Kumar, M. Haris Siddiqui and Vinay K Khanna. Influence of immobilization and forced swim stress on the neurotoxicity of lambda-cyhalothrin in rats: Effect on brain biogenic amines and BBB permeability. *Neurotoxicology* 2016. doi: 10.1016/j.neuro.2016.07.002.
6. Rajendra K Shukla, Richa Gupta, Ajay Kumar, M. Haris Siddiqui. Influence of immobilization and forced swim stress on the neurotoxicity of lambda-cyhalothrin in rats: Effect on brain biogenic amines and BBB permeability. *2015 Toxicology International* (in Press).



*Paper Presented at  
Conference*



**Paper Presented at Conferences**

1. **Richa Gupta**, Rajesh S. Yadav, Lalit P. Chandravanshi, and Vinay K. Khanna. Neuroprotective efficacy of *Bacopa monnieri* in monocrotophos induced neurotoxicity in rats  
*Paper presented at International First BBDU Scholar conclave 2013 was held at Babu Banarasi Das University, Lucknow, India*
2. **Richa Gupta**, Rajesh S. Yadav, Lalit P. Chandravanshi, and Vinay K. Khanna. Brain Cholinergic and Dopaminergic Alterations Following Monocrotophos Exposure Associated with Enhanced Oxidative Stress in Rats: Protective Efficacy of *Bacopa Monnieri*  
*Paper presented at International Symposium on Emerging Trends and Challenges in Neuroscience & XXXI Annual Conference of Indian Academy of Neurosciences, was held at Vigyan Parishad & National Academy of Sciences, Allahabad, India from October 25<sup>th</sup> - 27<sup>th</sup>, 2013*
3. **Richa Gupta**, Rajendra K. Shukla, Lalit P. Chandravanshi, Pranay Srivastava, Yogesh K. Dhuriya, Aditya B. Pant and Vinay K. Khanna. Neuroprotective potential of quercetin in cadmium induced cholinergic deficits in rats.  
*Paper presented at the International Symposium on Translational Neuroscience & XXXII Annual Conference of Indian Academy of Neurosciences from November 01- 03, 2014 at Department of Neurophysiology, National Institute of Mental Health and Neuro Sciences, Bengaluru, India.*
4. **Richa Gupta**, Rajendra K. Shukla, Lalit P. Chandravanshi, Pranay Srivastava, Yogesh K. Dhuriya, Aditya B. Pant and Vinay K. Khanna. Mitochondrial Dysfunctions in Cadmium Induced Brain Cholinergic Potential of Quercetin in Rats. Deficits and Protective  
*Paper presented at the 47th Annual Conference of the Indian Pharmacological Society "IPSCON- Guwahati 2014" from 28th–30th December 2014 at GMCH Convention Centre, Guwahati-32, Guwahati India.*
5. **Richa Gupta**, Rajendra K. Shukla, Pranay Srivastava, Yogesh K. Dhuriya, Aditya B. Pant and Vinay K. Khanna. Mitochondrial Dysfunction in Cadmium induced Brain Dopaminergic Alteration and Protective Potential of Quercetin in rats  
*Paper presented at the IBRO/APRC Chandigarh School from 26th–30th October 2016 at Punjab University, Chandigarh, India.*
6. **Richa Gupta**, Rajendra K. Shukla, Pranay Srivastava, Yogesh K. Dhuriya, Aditya B. Pant and Vinay K. Khanna. Mitochondrial Dysfunction in Cadmium induced Brain Dopaminergic Alteration and Protective Potential of Quercetin in rats  
*Paper presented at the XXXIII Annual Conference of the Indian Academy of neurosciences from 31<sup>st</sup> October–2nd November 2015 at Punjab University, Chandigarh India.*

7. **Richa Gupta**, Rajendra K. Shukla, Lalit P. Chandrvanshi, Pranay Srivastava, Yogesh K. Dhuriya, Aditya B. Pant and Vinay K. Khanna. Deciphering the mechanism of cadmium induced brain dopaminergic dysfunctions and assess the protective potential of quercetin in rats.  
*Paper presented at the IAPRD 2015 from 05<sup>th</sup> December– 09<sup>th</sup> November 2015 at Micomilano Congressi, Milan, Italy.*
8. **Richa Gupta**, Rajendra K. Shukla, Pranay Srivastava, Yogesh K. Dhuriya, Rajeev Gupta, Aditya B. Pant and Vinay K. Khanna. Role of  $\beta$  - arrestin 2/Akt/GSK 3 $\beta$  Survival Pathway in Cadmium Induced Dopamine D2 receptor Mediated Function: Protective Efficacy of Quercetin  
*Paper presented at the World Parkinsons Congress at Portland, Oregon, USA from September 20 – 23, 2016*
9. **Richa Gupta**, Rajendra K. Shukla, Pranay Srivastava, Yogesh K. Dhuriya, Manjul P. Singh, Rajeev Gupta, Aditya B. Pant and Vinay K. Khanna. Role of iNOS/NO/ CamKII- $\alpha$  in cadmium mediated Neuroinflammation: Neuroprotective Potential of Quercetin,  
*Paper presented at the XXXVIII Annual Conference of Indian Academy of Neurosciences being held at NBRC, Manesar from October 19 - 21, 2016*



# *Honours & Awards*



## **Honours and Awards**

**Research Fellowship (CSIR- GATE Fellowship)** - Awarded by Council of Scientific & Industrial Research, New Delhi.

**International Travel Fellowship** - Awarded by International association of Parkinson and related disorders to present the research paper in XXI World Congress on Parkinson's disease and related Disorders, Milan, Italy from December 05-09, 2015.

**IBRO-APRC Travel Grant** - Awarded by IBRO to attend the IBRO/APRC Chandigarh School, Chandigarh, India from October 26- 30, 2015.

**Academic Excellence Award** - Awarded by Uttarakhand Technical University, Dehradun for academic excellence and securing Top Rank in M. Pharm Pharmacology in university in 2012.

**Academic Excellence Award** - Awarded by Vice Chancellor, Uttar Pradesh Technical University, Lucknow for academic excellence and securing first position in university in 2010 (B. Pharm with aggregate of 80%).

**World Parkinson's Congress Travel Grant** - Awarded by World Parkinson's Congress to present the research paper in 4th WPC2016, Portland, Oregon from September 20-24, 2016

**Best Poster Presentation** – Awarded by Indian Academy of Neurosciences to presented the research paper during the XXXIV Annual Conference of Indian Academy of Neurosciences being held at NBRC, Manesar from October 19 - 21, 2016.