

FACULTY PROFILE

1. **Name:** Dr Sunil Dutt Shukla
2. **Email Id:** shuklasd@gmail.com
3. **Year of Appointment:** 2002
4. **Designation & Department:** Associate Professor, Zoology
5. **Qualification:** Ph D
6. **Membership of Professional Bodies:**



- International Parkinson and Movement Disorder Society (2019), Life Member
- International Society of Zoological Sciences (2006), Life Member
- Molecular and Cellular Cognition Society, USA (2004), Life Member
- International Brain Research Organization (2001), Life Member
- Indian Academy of Neuroscience (2000), Life Membership

7. **Award & Achievements:**

- Section Editor (Neuropharmacology and Addiction), Neuroscience Insights, SAGE Publications Inc, USA
- International Brain Research Organization Travel Fellowship, International Brain Research Organization, (2006)
- National Brain Research Centre (India) fellowship, Department of Biotechnology and National Brain Research Centre, India, (2001)
- Prof. T. Desiraju memorial Award, Neuroscience Society of India (1999)
- Delivered invited talk in Conferences and Seminars
- Delivered lectures in Ph D Course work
- Delivered talks in Faculty Development Programs
- Reviewer of various International and National Journals.

8. **Area of Research:**

Neuroscience, Neuroprotection, Herbal Drugs, Ethnopharmacology, Environmental Science

9. **Research Projects Completed/Ongoing**

10. **Research Paper Published: 26**

1. Kumar, S., Chowdhury, S., Razdan, A., Kumari, D., Purty, R. S., Ram, H., Kumar, P., Nayak, P., & **Shukla, S. D.** (2021). Downregulation of Candidate Gene Expression and Neuroprotection by Piperine in Streptozotocin-Induced Hyperglycemia and Memory Impairment in Rats. *Frontiers in Pharmacology*, 11. ISSN: 1663-9812. <https://doi.org/10.3389/fphar.2020.595471>
2. Kashyap, P., Ram, H., **Shukla, S. D.**, & Kumar, S. (2020). Scopoletin: Anti-amyloidogenic, anticholinesterase, and neuroprotective potential of a natural compound present in *Argyrea speciosa* roots by in vitro and in silico study. *Neuroscience Insights*, 15, 2633105520937693. ISSN: 2633-1055. <https://doi.org/10.1177%2F2633105520937693>.
3. Mishra, R., Jain, S., Bhatnagar, M., & **Shukla, S. D.** (2020). Fluoride Toxicity Myth or Fact? A Review. *Journal of Cell and Tissue Research*, 20(1), 6869–6882. ISSN: 0973-0028. DOI: [10.6084/m9.figshare.12362105](https://doi.org/10.6084/m9.figshare.12362105)

4. Singh, P. P., Goel, I., Mondal, A., Khan, F. A., Singh, A. K., Dubey, P., Chaudhary, S., Anil Kumar Reddy, P. V., Rodrigues, V., Bassi, V., Ahuja, K., Shetty, A., Sahu, A. K., Jodha, K., Singh, N., Das, S., Sharma, R., Bagaria, R., Poojary, S., Gohil S. M., Bonu A., Vazirani A., Esfandiari L., **Shukla, S. D.**, Shukla S., Khurana, S. (2019). Acceptability of mental health facilities and de-addiction centers in india. *Journal of Experimental Neuroscience*, 13. ISSN: 1179-0695. <https://doi.org/10.1177/11790695198399>.
5. Patel, A., Khan, F. A., Sikdar, A., Mondal, A., **Shukla, S. D.**, & Khurana, S. (2018). Test for non-synergistic interactions in phytomedicine, just as you do for isolated compounds. *Journal of Experimental Neuroscience*, 12, 1179069518767654. ISSN: 1179-0695. <https://doi.org/10.1177/1179069518767654>
6. Bhatnagar, M., Goel, I., Roy, T., **Shukla, S. D.**, & Khurana, S. (2017). Complete Comparison Display (CCD) evaluation of ethanol extracts of *Centella asiatica* and *Withania somnifera* shows that they can non-synergistically ameliorate biochemical and behavioural damages in MPTP induced Parkinson's model of mice. *PLoS ONE*, 12(5). ISSN: 1932-6203. <https://doi.org/10.1371/journal.pone.0177254>.
7. Jagmag, S. A., Tripathi, N., **Shukla, S. D.**, Maiti, S., & Khurana, S. (2016). Evaluation of models of Parkinson's disease. *Frontiers in Neuroscience*, 9(JAN). ISSN: 1662-453X. <https://doi.org/10.3389/fnins.2015.00503>
8. Sharma, D., & **Shukla, S. D.** (2014). Antibacterial properties of *Euphorbia caducifolia*. *International Journal of Green and Herbal Chemistry*, 3(3), 1320–1324. ISSN: 2278-3229.
9. Sharma, D., & **Shukla, S. D.** (2014). Antioxidant and Antibacterial Activity of *Semecarpus anacardium* Nut Extract. *International Journal of Green and Herbal Chemistry*, 3(1), 290–297. ISSN: 2278-3229.
10. Sharma, D., & **Shukla, S. D.** (2013). Neuroprotection: It's Phytoremediation (Theoretical Perspective). *International Journal of Green and Herbal Chemistry*, 2(4), 1118–1131. ISSN: 2278-3229.
11. Sharma, D., & **Shukla, S. D.** (2013). Antioxidative Effects of Certain Plant Extracts: In *in vivo* Systems. *International Journal of Green and Herbal Chemistry*, 2(4), 1107–1117. ISSN: 2278-3229.
12. **Shukla, S. D.**, Bhatnagar, M., & Khurana, S. (2012). Critical evaluation of ayurvedic plants for stimulating intrinsic antioxidant response. *Frontiers in Neuroscience*, 6(JULY), 112. ISSN: 1662-453X. <https://doi.org/10.3389/fnins.2012.00112>
13. Saxena, G., Singh, M., Meena, P., Barber, S., Sharma, D., **Shukla, S.**, & Bhatnagar, M. (2010). Neuroprotective effects of *Asparagus racemosus* Linn root extract: an experimental and clinical evidence. *Annals of Neurosciences*, 14(3), 57–63. pISSN: 0972-7531; eISSN: 0976-3260.
14. Vimal, S., Sissodia, S. S., Meena, P., Barber, S., Shukla, S. D., Saxena, A., Patro, N., Patro, I., & Bhatnagar, M. (2010). Antioxidant effects of *Asparagus racemosus* wild and *Withania somnifera* dunal in rat brain. *Annals of Neurosciences*, 12(4), 67-70. pISSN: 0972-7531; eISSN: 0976-3260.
15. Bhatnagar, M., & **Shukla, S. D.** (2008). Unilateral degeneration in hippocampus of female rat. *Neuroanatomy*, 7, 1. ISSN: 1303-1775.

16. Bhatnagar, M., **Shukla, S. D.**, & Bhatnagar, R. (2005). Experimental neurodegeneration in hippocampus and its phytoremediation. *Journal of Herbal Pharmacotherapy*, 5(2), 21–30. ISSN: 1522-9106.
17. Sharma, K., **Shukla, S. D.**, Mehta, P., & Bhatnagar, M. (2002). Fungistatic activity of *Semecarpus anacardium* Linn. f nut extract. *Indian Journal of Experimental Biology*, 40(3). ISSN: 0019-5189.
18. Jain, S., **Shukla, S. D.**, Sharma, K., & Bhatnagar, M. (2001). Neuroprotective effects of *Withania somnifera* Dunn. in hippocampal sub-regions of female albino rat. *Phytotherapy Research*, 15(6), 544–548. ISSN: 1099-1573.
19. **Shukla, S. D.**, Jain, S., Sharma, K., & Bhatnagar, M. (2000). Stress induced neuron degeneration and protective effects of *Semecarpus anacardium* Linn. and *Withania somnifera* Dunn. in hippocampus of albino rats: An ultrastructural study. *Indian Journal of Experimental Biology*, 38(10). ISSN: 0019-5189.
20. **Shukla, S. D.**, Jain, S., Sharma, K., Bhatnagar, C., & Bhatnagar, M. (2000). Neuroprotective effects of *Semecarpus anacardium* Linn. against stress induced neurodegeneration in hippocampal subregions of female rats. *Annals of Neurosciences*, 7, 41–47. pISSN: 0972-7531; eISSN: 0976-3260.
21. Bhatnagar, M., **Shukla, S. D.**, Jain, S., & Mundra, A. (2000). Cytoprotective effects of Shankpushpi an *E. alsenoids* preparation on hippocampal cells in mice. *Indian Drugs*, 37(6), 280–285. ISSN: 0019-462X.
22. **Shukla, S. D.**, Jain, S., Sharma, K., & Bhatnagar, M. (2000). Effects of *Semecarpus anacardium* Linn On Neuron Cell Bodies in Hippocampal Sub Regions of the Stressed Female Rats. *Indian Drugs*, 37(8), 379–382. ISSN: 0019-462X.
23. Jain, S., **Shukla, S.**, & Bhatnagar, M. (1998). Phytoantioxidants: Protective Role in Hippocampal Cell Degeneration in Female Rates. *Journal of Neurochemistry*, 70. ISSN: 0022-3042.
24. Shukla, S., Jain, S., & Bhatnagar, M. (1998). Hebal Preparation Protects Stress Induced Cell Degeneration in Hippocampal Sub. Regions of Female Rats. *Journal of Neurochemistry*, 70. ISSN: 0022-3042.
25. Sansi, R. K., Jain, S., **Shukla, S. D.**, Bhatnagar, M., & Bhatnagar, A. (1998). Studies on the effects of immobilization stress on open field behavior in male and female rats. *Indian Journal of Applied and Pure Biology*, 13(2), 169–171. ISSN: 0970-2091.
26. Jain, S., **Shukla, S. D.**, Sharma, K., & Bhatnagar, M. (1998). Phytoantioxidants: Therapeutic implications of antioxidants in neurodegenerative changes in brain. *Indian Journal of Gerontology*, 12, 60–69. ISSN: 0019-5219.

11. Books & Chapters in Edited Volumes/Books Published/Conference Proceedings

1. Rao, P., **Shukla, S. D.**, Jain, S., & Bhatnagar, M. (1999). Neurotoxicity of Fluoride in female mice. *National Seminar Environ & Health*, 31–36.
2. Zulfiya Sheikh and **Sunil Dutt Shukla** (2013). Practical Zoology (Part I), Apex Publishing House, Udaipur, India. ISBN: 81-301-0005-3

12. Conference/Courses/FDP

a) Total Number Conferences/Seminars/Workshop attended:

Workshop: 11

Conferences/Seminars: 23

b) Total Number of FDP/Training Courses/Any Other Courses attended:

FDP: 03

Training Courses: 03

c) Total Number Refresher/Orientation/Short Term Courses attended:

Refresher Course: 03

Short Term Course: 03

13. Research Guidance:

Total Number of Doctorate Degrees Awarded: 00

Total Number of Doctorate Degrees Ongoing: 05

14. Any other Information:

