

## **Curriculum Vitae**

**Dr. Gireesh Kumar Singh**

S/o- Late Prem Chand Singh

**Date of Birth-** 06/09/1982

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### **Educational Qualifications**

Sl. No.	Examination Passed	Year	Board/University	Percentage/ Grade obtained
1	High School	1997	UP Board	57.16
2	Intermediate	1999	UP Board	67.80
3	B. Pharm	2005	IT (BHU)- Varanasi	7.51
4	M. Pharm	2007	IT (BHU)-Varanasi	8.70
5	Ph.D.	2012	IIT (BHU)-Varanasi	Degree awarded

### **Other Academic Achievements**

- Qualified **ICMR-JRF entrance test-2008**.
- Qualified **GATE - 2005, AIR-251**.
- **UGC- Fellowship** for 24 Months during M.Pharm.

### **Work experience**

- Assistant Professor, Pharmacology (**2012-2016**) at RGSC-BHU, Barkachha, Mirzapur
- Research Scientist, Multidisciplinary Research Unit ( July 2019-May 2020), RIMS, Ranchi
- M. Pharm supervision-04

### **Research Interest-**

Neuropharmacology, anti- stress activity of phyto-constituents, anti –aging drugs

### **Workshop/training Participation**

- Neurobiologyworkshop '**ApplicationofBioinformaticsandProteomicTechniquesin Neurobiology**' organized by Department of Zoology, Centre for Advance Studies, Banaras Hindu University, Varanasi. 07-21 September, 2009.
- **Concepts and applications of Pharmacokinetic and Pharmacodynamic Modeling**, organized by Department of Pharmaceutics, IIT-BHU, Varanasi. 27-28 September,2013.
- **Good Clinical Practices-ICH-GCP training Programme**, Conducted by Cadilla Healthcare Limited, Zydus Research Centre, 03/02/20108, Varanasi.

## M. Pharm. Dissertation

Neuropsychopharmacological evaluation of standardized extract of *Asparagus racemosus*.

## Ph.D.Thesis

Neuropsychopharmacological studies on standardized extract of *Fumaria indica*.

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### Papers Published:

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### ReviewArticles

1. Singh YP, Rai H, Singh G, Singh GK, Mishra S, Kumar S, Srikrishna S, Modi G. A review on ferulic acid and analogs based scaffolds for the management of Alzheimer's disease. *European Journal of Medicinal Chemistry* 215 (2021) 113278. **[impact factor 5.57]**.
2. Patel K, Laloo D, **Singh GK**, Gadewar M, Patel DK. A review on medicinal uses, analytical techniques and pharmacological activities of *Strychnos-vomica* Linn. - A concise report. *Chinese Journal of Integrative Medicine*, 2017. Accepted **[impact factor1.234]**. 2017. DOI- 10.1007/s11655-016-2514-1
3. Patel K, **Singh GK**, Patel DK. A review on pharmacological and analytical aspects of naringenin. *Chinese Journal of Integrative Medicine*. 2014. Accepted. DOI- 10.1007/s11655-014-1960-x **[impact factor1.234]**.

### Research Publications

1. **Singh GK**, Garabadu D, Muruganandam AV, Joshi VK, Sairam K. Antidepressant activity of *Asparagus racemosus* in rodent models. *Pharmacology, Biochemistry and Behavior*. 2009, 91:283–290. **[impact factor 2.800]**.
2. **Singh GK**, Kumar V. Acute And sub-chronic toxicity study of standardised extract of *Fumariaindica* in rodents. *Journal of Ethnopharmacology*. 2011, 134: 992–995. **[impact factor 3.690]**.
3. Ojha R, Sahu AN, Muruganandam AV, **Singh GK**, Sairam K. *Asparagus racemosus* enhances memory and protects against amnesia in rodent models. *Brain and Cognition*. 2010, 74: 1–9. **[impact factor 2.508]**.
4. **Singh GK**, Chauhan SK, Rai G, Chatterjee SS, Kumar V. Potential antianxiety activity of *Fumariaindica*: A preclinical study. *Pharmacognosy Magazine*. 2013, 9(33):14-22. **[impact factor1.310]**.
5. Kundu A, Ghosh A, Singh NK, **Singh GK**, Seth A, Maurya SK, Hemlatha S, Laloo D. Wound healing activity of ethanol root extract and polyphenolic rich fraction of *Potentilla fulgens*. *Pharmaceutical Biology*. 2016, 54(11): 2383-2393. **[impact factor 2.490]**.
6. Singh RB, **Singh GK**, Chaturvedi K, Kumar D, Singh SK, Zaman MK. Design, synthesis, characterization, and molecular modeling studies of novel oxadiazole derivatives of nipecotic acid as potential anticonvulsant and antidepressant agents. 2017. *Med Chem Res*. DOI

10.1007/s00044-017-2047-y. [impact factor 1.783].

7. Singh RB, Das N, Singh GK, Singh SK, Zaman MK. Synthesis and pharmacological evaluation of 3-[5-(aryl-[1,3,4]oxadiazole-2-yl)-piperidine derivatives as anticonvulsant and antidepressant agents. *Arabian Journal of Chemistry*. 2020, 13(5): 5299-5311. [impact factor 4.762].
8. **Singh GK**, Rai G, Chatterjee SS, Kumar V. Anti-aggressive, brain neurotransmitters and receptor binding study of *Fumaria indica* in rodents. *Current Psychopharmacology*. 2012,1:195-202.
9. **Singh GK**, Kumar V. Neuropharmacological screening and lack of antidepressant activity of standardized extract of *Fumaria indica*: A preclinical study. *Electronic Journal of Pharmacology and Therapy*. 2010, 3:19-28.
10. Dhar A, Maurya SK, **Singh GK**, Singh MK, Seth A. Preliminary Screening of a Classical Ayurvedic Formulation for Anticonvulsant Activity. *Ancient Science of Life*. 2016, 36(1):28-34.
11. **Singh GK**, Chauhan SK, Rai G, Kumar V. *Fumaria indica* is safe during chronic toxicity and cytotoxicity: A preclinical study. *Journal of Pharmacology and Pharmacotherapeutics*. 2011, 2(3): 191-192.
12. **Singh GK**, Rai G, Chatterjee SS, Kumar V. Beneficial effects of *Fumaria indica* on chronic stress-induced neurobehavioral and biochemical perturbations in rats. *Chinese Medicine*. 2012, 3: 49-60.
13. **Singh GK**, Rai G, Chatterjee SS, Kumar V. Effects of ethanolic extract of *Fumaria indica* L. on rat cognitive dysfunctions. *AYU*. 2013, 34(4):421-429.
14. Srikanth I, Shakya A, **Singh GK**, Kumar V. Role of hyperforin in diabetes and its associated hyperlipidemia in rats. *TANG*, 2012, 2(3):e25.

**Book Authored- Medicinal Plants of Veterinary Importance of Vindhya Region.** Gireesh Kumar Singh, Damiki Laloo, Narendra Kumar Singh, Anil Kumar Singh, Guru Prasad Singh. Veer Bahadur Publication, Varanasi- ISBN: 978-81-921361-8-1.

**Chapter in book- Biochemical mechanism involved in neuro-psychopharmacological profile of a hydro alcoholic *Fumaria indica* extract.** Gireesh Kumar Singh, Geeta Rai, Shyam Sundar Chatterjee, Vikas Kumar. In: *Traditional Medicines and Globalization- The Future of ancient System of Medicine*. 2012, pp-632-644, Maven Publisher. ISBN- 978-81-926243-0-3

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## Abstracts in International Scientific Conferences

1. **Singh GK**, Kumar V. Acute and sub-chronic toxicity study of standardized 50 % ethanolic hydro alcoholic extract of *Fumaria indica*. 42nd Annual conference of Indian Pharmacological Society, Dec 10-12, 2009, Kolkata. Abstract published in *Indian Journal of*

Pharmacology, 2009; 41(1):S67.

2. **Singh GK**, Barothia ND, Kumar V. General neuropharmacological screening of standardized 50 % ethanolic extract of *Fumaria indica*. 42nd Annual conference of Indian Pharmacological Society, Dec 10-12, 2009, Kolkata. Abstract published in Indian Journal of Pharmacology, 2009; 41(1): S43.
3. **Singh GK**, Gupta M, Kumar V. *Fumaria indica* lacking antidepressant activity in rodents. 42nd Annual conference of Indian Pharmacological Society, Dec 10-12, 2009, Kolkata. Abstract published in Indian Journal of Pharmacology, 2009; 41(1):S42.
4. **Singh GK**, Kumar V. Anxiolytic activity of standardized extract of *Fumaria indica*. 27th Annual conference of Indian Academy of Neurosciences, Dec 18-20, 2009, Jaipur. Abstract published in Annals of Neurosciences, 2009; 16(SUPPL):81.
5. **Singh GK**, Kumar V. Chronic toxicity study of standardized extract of *Fumaria indica* in rats. 43rd Annual Conference of Indian Pharmacological Society & International Conference on Pharmacology and Translational Research, organized by National Executive Committee 2010-IPS in Association with Food and Toxicology Research Centre, National Institute of Nutrition, Hyderabad, December 13-16, 2010. Abstract published in Indian Journal of Pharmacology, 2010; 42(2):S249.
6. **Singh GK**, Nageswar R, Kumar V. Analgesic and anti-inflammatory activity of standardized extract of *Fumaria indica*. 62nd Indian Pharmaceutical Congress, organized by Manipal College of Pharmaceutical Sciences, Manipal University, Manipal, India, December 17-19, 2010.
7. **Singh GK**, Kumar V. Memory enhancing and anti-amnesic activity of standardized extract of *Fumaria indica*: an in vivo study. International Symposium on Brain Aging and Dementia: Basic and Translational Aspects, organized by Banaras Hindu University, Varanasi, India, November 29-30, 2010.
8. **Singh GK**, Kumar A, Kumar V. *Fumaria indica* enhances memory and reverses electroconvulsive shock induced amnesia in rodents. International Symposium on Brain Aging and Dementia: Basic and Translational Aspects, organized by Banaras Hindu University, Varanasi, India, November 29-30, 2010.
9. **Singh GK**, Kumar V. Beneficial effects of *Fumaria indica* in mental stress. 5th Congress of Federation of Asian and Oceanian Neuroscience Societies and 28th Annual Meeting of Indian Academy of Neurosciences, organized by Indian Institute of Toxicology Research, Lucknow,

India, November 25-28, 2010. Abstract published in the Annals of Neurosciences, 2010, 17 (Suppl):092.

10. **Singh GK**, Kumar A, Kumar V. *Fumariaindicareverses* sodium nitrite induced amnesia in rodents. Update Ayurveda 2010, jointly organized by Ayurveda Research Centre, Seth GS Medical College & KEM Hospital and SharadiniDahanukar-Advanced Centre for Ayurveda Research, Training & Services, T.N. Medical College & BYL Nair Ch. Hospital Mumbai, November 25-27,2010.
11. **Singh GK**, Kumar V. *Anti-aggressive* activity of standardized extract of *Fumariaindicain* rodents. 44th Annual Conference of Indian Pharmacological Society (IPS), 19 – 21 December 2011, Manipal University, Manipal. Abstract published in Indian Journal of Pharmacology, 2011; 43(1):S150-151.
12. **Singh GK**, Shakya A, Kumar V. Anti-oxidant and cytokines modulating property of *Fumariaindicain* chronic stressed rats. 44th Annual Conference of Indian Pharmacological Society (IPS), 19 – 21 December 2011, Manipal University, Manipal. Abstract published in Indian Journal of Pharmacology, 2011; 43(1):S150.
13. **Singh GK**, Rai G, Kumar V. Biochemical study of *Fumariaindica*. 12th International Congress on Ethnopharmacology organized jointly by International society for Ethnopharmacology, USA and Jadavpur University, Kolkata, February, 17-19,2012.
14. **Singh GK**, Debapriya G, Joshi VK, Muruganandam AV, RaoChV, Sairam K. Evaluation of Antidepressant Activity of Standardized Extract of *Asparagus racemosus*. Presented at 59th Indian Pharmaceutical Congress 2007,Varanasi.

### **Seminars and Conferences Attended**

1. 59<sup>th</sup>Indian Pharmaceutical Congress, organized by Banaras Hindu University, Varanasi, December 20-23,2007.
2. 42<sup>nd</sup>Annual conference of Indian Pharmacological Society, Dec 10-12, 2009,Kolkata.
3. 27<sup>th</sup>Annual conference of Indian Academy of Neurosciences, Dec 18-20, 2009,Jaipur.
4. 43<sup>rd</sup> Annual Conference of Indian Pharmacological Society & International Conference on Pharmacology and Translational Research, December 13-16, 2010,Hyderabad,
5. 5<sup>th</sup>Congress of Federation of Asian and Oceanian Neuroscience Society and XXVIII Annual Meeting of Indian Academy of Neurosciences, November 25-28, 2010,Lucknow.
6. International Symposium on Brain Aging and Dementia: Basic and Translational Aspects, organized by Banaras Hindu University, Varanasi, November 29-30,2010.
7. 44<sup>th</sup>Annual Conference of Indian Pharmacological Society (IPS), 19 – 21 December 2011, Manipal University, Manipal.