

Dr. SARJAN H N

CURRICULUM VITAE

Address: Dr. Sarjan H. N.,
#41/A, First floor, 13th Cross, 8th Main
Saraswatipuram, Mysore-570 009.
Mobile: +91 9148223703

Nationality: Indian

Marital status: Single

Current Status: **2019 to till date**
Guest Faculty in Department of Studies in Zoology, University of
Mysore, Mysore, Karnataka

ACADEMIC EDUCATION

2014-2019
(Through Ph.D. Entrance exam) **Ph.D. (DST-INSPIRE Senior Research Fellow)**
Department of studies in Zoology, University of Mysore,
Mysore, India

Research was funded by DST-INSPIRE, India.
Title of Thesis: **“Investigations on effects of stress on some components of
immune system and the immunoprotective property of
the herb ashwagandha, *Withania somnifera* (L.) in male
rats”**

2015-2016 National Eligibility of Lectureship (NET), **066/0965 rank**
Council of Scientific and Industrial Research

2014-2015 Ph.D. Course work completed

2013-2014 Karnataka State Eligibility for Lectureship (**K-SET**)

2011-2013 Master in Zoology (**90.53% - First rank, three gold medals**)
Department of Studies in Zoology, University of Mysore, Mysore, India.

2008-2011 Bachelor’s in chemistry, botany and zoology (**92.90% - distinction**)
LB and SBS College, Sagara, Shimoga. Karnataka. Kuvempu University

- 2008 Department of Pre-University Education, Karnataka (Physics, Chemistry, Mathematics, Biology) **(85.16% - distinction)** Govt. PU College, Sagara, Shimoga, Karnataka.
- 2006 Karnataka Secondary education examination board **(88.32% - distinction)**
Govt. Junior College, Ripponpet, Hosanagar, Shimoga, Karnataka.

FELLOWSHIPS AND HONOURS

- 2017-2019 **Member of Society for Integrative and Evolutionary Biology (SEIB).**
- 2017-2018 **First prize in oral presentation** in the Post-satellite Symposium on **Integrative Stress/Ease Physiology and Endocrinology, STRESS 2017** held on 4th and 5th December 2017 in the University of Kerala, Thiruvananthapuram, India.
- 2015-2020 **DST-INSPIRE fellowship** by Department of Science and Technology, India.
- 2014-2016 Annual member of **The Indian Science Congress Association, Kolkata, India.**
- 2013 **SMT. H. K. Shamantharathna Gold medal** for having secured highest marks in M. Sc (Zoology) from University of Mysore during 94th Annual Convocation.
- 2013 **Prof. L. Siddavere Gowda Memorial Gold medal** for having secured highest marks in M. Sc (Zoology) from University of Mysore during 94th Annual Convocation.
- 2013 **Dr. S. N. Hegde Gold medal** for having secured highest marks in M. Sc (Zoology) from University of Mysore during 94th Annual Convocation.
- 2013 **Late N.C. Narasima Iyengar and SMT Ranganayakamma, Sri M. C. Krishnaswamy, Smt Chokkamma and Smt. Rukkamma Memorial Cash prize** for having secured highest marks in M. Sc (Zoology) from University of Mysore during 94th Annual Convocation.
- 2013 **First rank in Master of Science in Zoology** from University of Mysore.
- 2011-2013 Scholarship by **Karnataka State Science and Technology**, Karnataka for Post Graduate Studies.
- 2008-2011 Scholarship by **Karnataka State Science and Technology**, Karnataka for Under Graduate studies.
- 2008-2011 **Sir CV Raman Scholarship** by Karnataka State for Under Graduate studies.

- 2009-2010 **Second Prize for Science Lecture in Kannada (Biology)** at inter-college level (Kuvempu University) organized by Karnataka State Science Council, Department of Science and Technology, Karnataka Government, India.
- 2005-2006 Secured **first and third rank in 7th International Level Science Talent Examination 2005** at School level and Taluk Level respectively.
- 2002-2003 Secured **First class in Hindi Subodh Pareeksha** conducted by Karnataka Mahila Hindi Seva Samiti, Bangalore, India.

TEACHING EXPERIENCE

- 2013-2014 Worked as **Biology lecturer (NCERT syllabus)** at R.K. PU college, K Honnalagere, Maddur, Mandya, Karnataka.
- 2019 onwards Guest lecturer in Department of Studies in Zoology, University of Mysore, Mysore, Karnataka

TECHNIQUES KNOWN

Being a part among the top five universities in India and having a Central Animal House Facility, I am good in animal handling of rat and mice. I am also exposed to various techniques in many fields which are mentioned below.

1. Animal handling (rats and mice).
2. Anatomy of rat, dissection, drawing blood from tail vein of rats.
3. Biochemical techniques.
4. Immunological techniques like ELISA, isolation of peripheral blood mononuclear cells, isolation of bone marrow stem cells and isolation of cells from lymphoid organs.
5. Molecular biology techniques.
6. Histological technique.
7. Surgical methods in rats (orchietomy, ovariectomy and adrenalectomy).
8. Petri plate culturing of bacteria and fungi.
9. Primary cell culture of lymphocytes of blood, splenocytes, thymocytes and lymphocytes of axillary lymph node.
- 10 Apoptosis assays.

PUBLICATIONS

h-Index – 4

Number of citations - 40

1. **Sarjan, H.N.**, Yangchan, J., Kripa, S.K., Fathima, S., Husna, A.A. and Naik. P. R. (2014). Butterfly Diversity in Manasagangothri campus of Mysore University. *Zoo's print*, 29(8): 20-25.
2. Divyashree, S., **Sarjan, H.N.** and Yajurvedi, H.N. (2016). Effects of long-term chronic stress on the lymphoid organs and blood leukocytes of the rat (*Rattus norvegicus*). *Canadian Journal of Zoology*, 94: 137-143. **IF=1.347**
3. **Sarjan, H.N.**, Divyashree, S. and Yajurvedi, H.N. (2017). The protective effect of the Vacha rhizome extract on chronic stress induced immunodeficiency in rats. *Pharmaceutical Biology*. 55(1): 1358-1367. **IF=1.916**
4. **Sarjan, H.N.** and Yajurvedi, H.N. (2018). Chronic stress induced duration dependent alterations in immune system and their reversibility in rats. *Immunology letters*. 197: 31-43. **IF=2.436.**
5. Chaithra, B., **Sarjan H.N.** and Shivabasavaiah. (2018). Dose and time dependent effects of sodium fluoride on sperm motility: an *in vitro* study. *Toxicology and Industrial Health*. 34(12): 813-818. **IF=1.378.**
6. **Sarjan, H.N.** and Yajurvedi, H.N. (2018). Efficacy of an active compound of the herb, ashwagandha in prevention of stress induced hyperglycemia. *International Journal of Pharmacy and Pharmaceutical Sciences*. 10(10): 44-49. **IF=0.512.**
7. **Sarjan, H.N.** and Yajurvedi, H.N. (2019). Duration dependent effect of chronic stress on primary and secondary lymphoid organs and their reversibility in rats. *Immunobiology*. 224: 133-141. **IF=2.873.**
8. Chaithra, B., **Sarjan H.N.** and Shivabasavaiah. (2019). Time-dependent effect of ground water fluoride on motility, abnormality and antioxidant status of spermatozoa: an *in vitro* study. *Toxicology and Industrial Health*. 35(5): 368-377. **IF=1.635.**
9. Chaithra, B., **Sarjan H.N.** and Shivabasavaiah. (2019). Sodium fluoride and fluoride contaminated ground water induced altered reproductive performances in male rats. *Biological Trace Element Research*. 195: 544-550. **IF=2.431.**
10. Lohith, M.S., **Sarjan, H.N.** and Urooj. A. (2019). Acute toxicity study of *Annona reticulata* leaves extract in swiss Albino mice. *International journal of pharmaceutical investigation*. 9(2): 71-75.

11. Satish Anandan, Murali Mahadevamurthy, Mohammad Azam Ansari, Mohammad A. Alzohairy, Mohammad N. Alomary, Syeda Farha Siraj, **Sarjan Halugudde Nagaraja**, Mahendra Chikkamadaiah, Lakshmeesha Thimappa Ramachandrappa, Hemanth Kumar Naguvanahalli Krishnappa, Ana E. Ledesma, Amruthesh Kestur Nagaraj and Asna Urooj, (2019). Biosynthesized ZnO-NPs from *Morus indica* attenuates methylglyoxal-induced protein glycation and RBC damage: in-vitro, in-vivo and molecular docking study. *Biomolecules*. 9(12): 2-19. **IF=4.694**.
12. Chaithra, B., **Sarjan H.N.** and Shivabasavaiah. (2020). A comparative analysis of fluoride-contaminated groundwater and sodium fluoride-induced reproductive toxicity and its reversibility in male rats. *Biological Trace Element Research*. 197: 507-521. **IF=2.431**.
13. Chaithra, B., **Sarjan H.N.** and Shivabasavaiah. (2020). Effect of curcumin in attenuating sodium fluoride- and fluoride contaminated groundwater-induced reproductive toxicity in male rats. *Fluoride*. 53(4): 621-642. **IF=1.438**.

PAPERS PRESENTED IN CONFERENCES

1. Paper entitled “**Chronic stress induced reduction in total leukocyte count (tlc) and changes in the leukocyte sub-population**” was presented in the symposium on **Healthy lifestyle and Human welfare** organized by Centre with Potential for Excellence in a Particular Area (CPEPA) and Department of Zoology, Bangalore University, Bangalore on 18th and 19th November 2014.
2. Paper entitled “**Prevention of stress induced immunological alterations by rhizome extract of vacha (*Acorus calamus*) in female rats**” was presented in the section **Animal, veterinary and Fishery sciences** during the **103rd Indian Science congress** held at University of Mysore, Mysuru on 3rd to 7th January 2016.
3. Paper entitled “**Ethanollic extract of Ashwagandha root exerts immunomodulatory and immunoprotective actions in chronically stressed female wistar rats**” was presented in the **26th national symposium on Chronobiology** organized by Department of Studies in Zoology, University of Mysore, Mysuru on 2nd and 3rd June 2016.
4. Paper entitled “**Chronic stress induced duration dependent alterations in immune system and their reversibility in rats**” was presented in the

Post-satellite Symposium on **Integrative Stress/Ease Physiology and Endocrinology, STRESS 2017** held on 4th and 5th December 2017 in the University of Kerala, Thiruvananthapuram, India.

5. Paper entitled “**acute toxicity study of *Annona reticulata* leaves extract in swiss albino mice**” was presented in the **50th Annual International Conference of Nutrition Society** of India organized by ICMR-National Institute of Nutrition, Hyderabad, Telangana on 15th to 17th November 2018.

CONFERENCE/WORKSHOP ATTENDED

1. Participated in the Science exhibition conducted in the department of Botany and Zoology, Lal Bahadur Arts, Science and S.B. Solabanna Shetty Commerce College, Sagar, Shimoga-577401, Karnataka, India on 21st and 22nd January 2011.
2. Participated in UGC sponsored workshop on “**Self Development**” organized by Lal Bahadur Arts, Science and S.B. Solabanna Shetty Commerce College, Sagar, Shimoga-577401, Karnataka, India on 29th and 30th January 2011.
3. Participated in the workshop on “**Ethical treatment of Experimental animals and alternatives to animal models**” organized by Department of Zoology, University of Mysore, Mysore-570 006, India on 17th September 2012.
4. Participated in the workshop on “**Handling of scientific equipment**” organized by Institute of Excellence, University of Mysore, Mysore-570 006, India on 18th to 20th August 2014.
5. Participated in the workshop on “**Use of anti-plagiarism software and J-gate plus discovery tool**” organized by Mysore University Library, Manasagangotri, Mysore-06, India on 10th December 2014.
6. Participated in the Inauguration, Plenary talks and Panel discussion on “**Genetics today**” organized by Department of studies in Genetics and Genomics, University of Mysore, Mysore-570 006, India on 10th October 2015.
7. Participated in UGC sponsored state level conference on “**Frontiers in life sciences-2017**” organized by Government science college Hassan, India on 28th March 2017.

8. Participated in **“National Symposium on Trends in Microbiology”** organized by Department of Studies in Microbiology, University of Mysore, Mysore-570 006, India on 12th May 2017.
9. Participated in **“CSIR-CFTRI Student’s Symposium on Advances in Biological Research”** organized by CSIR-CFTRI, Mysore in association with AFST(I), Mysore-570 006, India on 13th July 2018.
10. Participated in **“Clinical Nutrition and Dietetic-Current Practices and Future Trends”** organized by Department of Studies in Food Science and Nutrition in association with Indian Dietetic Association, Mysore Chapter, Mysore-570 006, India on 6th September 2018.
11. Participated in **“Contemporary Zoology”** organized by Department of Studies in Zoology, University of Mysore, Mysuru-570 006, India on 30th January, 2021.
12. Participated in **“International Conference on Recent Advances in Genetics and Genomics”** organized by Department of Studies in Genetics and Genomics, University of Mysore, Mysuru-570 006, India on 19th and 20th February, 2021.

PROJECTS COMPLETED

1. M.Sc. major project on **“Biodiversity of butterflies in Manasagangotri campus and Kukkarahalli lake of University of Mysore”** during October 2012 to May 2013.
2. M.Sc. minor project on **“Biodiversity of butterflies in Kukkarahalli Lake and Manasagangotri campus”** during February 2012 to April 2012.
3. B.Sc. project work on **“Incidences of cattle diseases in and around Ripponpete, Hosanagar taluk of Shimoga district, Karnataka”** under UGC scheme during 2010.

SKILLS AND INTERESTS

Skills:-

1. Computer skills: MS office, Adobe Photoshop, etc.
2. Leadership qualities: Had successfully lead team in several occasions of both academic and extracurricular activities.

Interests:-

1. Indoor and outdoor gardening
2. Music and dance
3. Arts and crafts
4. Cooking
5. Interior designing
6. Painting
7. Photography

PERSONAL

Date of Birth : 27/07/1990

Father's name : Nagaraja H T

Address : Sarjan H N s/o Nagaraja H T, #08, Baluru, Halugudde (P), Hosanagar (T), Shimoga (D), Karnataka, 577 426.

Mobile : +91 9148223703

Email ID : hnsarjan@gmail.com

Languages known : Kannada, English and Hindi

Hobbies : Reading novels, Gardening

Computer skills : Basics, MS office, Photoshop

Area of interest : Animal Physiology, Endocrinology, Reproductive Biology, and Stress physiology

The above furnished details are true to the best of my knowledge.

Date: / /2021
Place: Mysore

Yours sincerely

Sarjan H N