

Department of Biochemistry

Faculty Name
Dr. Giresha A S

Specialization
Biochemistry



Education

- Ph.D

Work Experience

1. 2017-2019: Teaching faculty, Department of Botany, Mangalore University, Chikka Aluvara
2. 2019-2020: Teaching faculty, Department of Biochemistry, Govt Science College, Hassan
3. 2020-2022(February): Teaching faculty, Department of Life science, Jnana Bharathi, Bangalore University
4. 2022-Till today: Assistant professor, Department of Biochemistry, Jain University, Bangalore

Key Areas of Research interest

1. Immunology
2. Inflammation treatment
3. Snake venom
4. Secretory phospholipase A2

Publications

- **First author:**
1. **Giresha A.S**, Urs D, Pundalik S, Meti R.S, Pramod S.N, Somegowda M, Dharmappa K.K, El-Shehawi A.M, Albogami S, Elseehy M.M, et al. Sinapic acid Inhibits Group IIA Secretory Phospholipase A2 and Its Inflammatory Response in Mice. **Antioxidants** 2022, 11, 1251. <https://doi.org/10.3390/antiox11071251>
 2. **Giresha A. S**, Urs D, Manjunatha JG. Sophiya P, Supreetha B H, Shankar Jayarama, Dharmappa KK. Group IIA secreted phospholipase A2 inhibition by elemolic acid as a function of anti-inflammatory activity. **Sci Rep.**2022: 12; 7649. **Doi:** 10.1038/s41598-022- 10950-1
 3. **Giresha A. S**, Pramod SN, Sathisha A D, Dharmappa K K. Neutralization of inflammation by inhibiting In vitro and In vivo secretory phospholipase A2by ethanol extract of Boerhaaviadiffusa L. **Phcog Res.**2017: 25(9); 174-81. **Doi:**

10.4103/0974- 8490.204650.

4. **Giresha A. S.** Narayanappa M, Vikram joshi, Vishwanath BS, Dharmappa KK. Human secretory phospholipase A2 (sPLA2) inhibition by aqueous extract of *Macrotyloma uniflorum* (seed) as an anti-inflammatory activity. **Int J Pharm Pharm Sci**, 2015: 7(1); 217- 222.
5. **Giresha A. S.** Anitha MG, Dharmappa KK. Phytochemical composition, antioxidant and in- vitro anti-inflammatory activity of ethanol extract of *Rutagraveolens L.* Leaves. **Int J Pharm Pharm Sci**, 2015: 7(10);272-276.
6. **Giresha A. S.** Daiseyrcasta P, Mohan Kumar AS, Sneha Rani AH, Pramod SN, Dharmappa KK. Human pleural fluid phospholipase A2 inhibition and in vitro antioxidant activity of ethanolic root extract of *toddalia asiatica*. **Int J Rec Sci Res**.2016: 7(3); 9592-9598. **Doi**.10.24327/IJRSR
7. **Giresha A. S.** Umashree, Pramod SN, Dharmappa KK. In vitro anti-oxidant activity, lipoxygenase inhibition and secretory phospholipase A2 inhibition properties of *gymnospora montana*. **Int J Rec Sci Res**.2016: 7(3); 9599-9603.**Doi**.10.24327/IJRSR
- **Co-author:**
8. Sophiya P, Deepdarshan Urs, **Giresha A.S.**, Jafar K. Lone, Krishna R. H, Narayanappa M, Manjunatha J.G, Dharmappa K. K. Quercitrin neutralizes the sPLA2IIa activity, reduces the inflammatory IL-6 level in PC3 cell line and exhibits anti-tumour activity in EAC bearing mice model. **Front. pharmacol. Accepted** 15.09.2 022
9. ShobhaN, NandaN, **Giresha A. S.**, PreveenM, SophiyaP, Dharmappa K.K, Nagabhushan B.M. synthesis and characterization of Zinc oxide nanoparticles utilizing seed extract of *Ricinuscommunis* and study of its antioxidant, antifungal and anti-cancer activity. **Mater. Sci. Eng.C**.2019: 97; 842–850. **Doi**: 10.1016/j.msec.2018.12.023.
10. Shobha N, Nanda N, **Giresha A.S.**, Dharmappa KK, Nagabhushana BM, Mylarappa M. Synthesis and Characterization of Ag Nano Particle by Solution Combustion Method and their Biological Studies. **Materials Today: Proceedings**. 2018, 5(10), Part 3, 22614- 22620.**Doi.org**/10.1016/j.matpr.2018.06.635
11. Sophiya P, Lohith NS, **Giresha A. S.**, Shankar J, Rajkumar S Meti, Dharmappa KK. Inhibition of GIIA sPLA2 by *Annona glabra* as an anti-inflammatory function: An attempt to neutralize the inflammation of cancer. **Biomedicine**: 2020; 40(1): 45- 50
12. Sathisha A. D, Hemakumar K. H, Sophiya P. **Giresha A.S.**, Lohith N. S, Basavaraju Y. B, Dharmappa K. K. Synthesis, anticancer and antimitotic activity of analogues of podophyllotoxin on B16F10 melanoma cell lines and *Allium cepa*L. **Biomedicine**: 2019; 39(4)
13. Sophiya P, Lohith NS, **Giresha A.S.**, Narayanappa M, Meti RS, Sathisha AD and Dharmappa KK: Inhibitory effect of ethanol extract of *melastomamalabathricum* leaves on inflammatory sPLA2 enzyme and its ability to reduce the cell viability of PC3 cell line. **Int J Pharm Sci & Res** 2019; 10(11): 5041-50. **Doi**:10.13040/IJPSR.0975-8232.10(11).5041-50.
- **Corresponding author:**
14. Nethravathi BT, Nutan SR, Spandana SS, **Giresha A.S***. Anti-oxidant activities and

phytochemical content of methanol extracts of Capsicum frutescens. **Int J Food Sci Nut.** 2018:3(6);68-73

Spandana SS, Nutan SR, Nethravathi BT, **Giresha A.S***. In vitro Anti-oxidant activities and phytochemical Content of aqueous Extracts of Vernoniaanthelmintica (Bitter cumin) seed. **Int J Food Sci Nut.** 2018:4(2);114-149.

Full length research articles published in conference proceedings:

1. **Giresha AS**, Sreesowmya kashyap, Manju prasanna VN, Vijay R, Dharmappa KK. Proteolytic and in-vitro anti-inflammatory activity of Jasminum grandiflorum and Jasminun cordifolium stem latices. UGC sponsored National conference Biotechnology for Human welfare, 2014. **ISBN No. 97893-82694-16-8.**
2. Dharmappa KK, **Giresha A S**, Vishwanath B S. Inhibition of secretory PLA2 inhibition by ethanol extract of Clerodendron serratum as anti-inflammatory activity. Karnataka State Higher Education Council sponsored national conference 'Recent discoveries in protein Science'. 2012. **ISBN No. 97881-92331-5-1**

BOOK chapters: NIL

PhD Guidance: NIL

Completed:

Ongoing:

Projects (External funded/Internal): NIL

Patents: NIL