

Curriculum Vitae

Dr. J. Shankar,
Associate Professor,
DOS in Food Technology,
Davangere University,
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Biographical Data:

Born June 20th, 1978, Married, Mysore, Karnataka State, India
Home address: #2405, 5th Cross, 4th Main, Vinayaka Nagar, Mysore-570012
Hobbies: Reading novels, Traveling, Playing cricket.
Languages known: Kannada, English and Hindi

Educational Data:

Degree	University	Subjects	Year	Score
B. Sc.	University of Mysore	Botany Biochemistry Microbiology	1999	First class
M. Sc.	University of Mysore	Biotechnology	2001	First class
Ph. D.	University of Mysore	Biotechnology	Submitted in June 2006	Awarded in June 2007

Research Experience:

Title	Name of the project	Date	Funding Agency/University
Dr.C.V. Raman PDF award	Role of MADD phosphorylation in TRAIL resistance in Anaplastic Thyroid Cancer (ATC) cells.	January 2015 to July 2015	Dept. of Microbiology & Immunology, University of Illinois at Chicago, Chicago, IL, USA.
Post Doctoral Research Associate	Role of In Insulinoma-Glucagonoma clone 20 (IG20) in cervical, ovarian, breast and thyroid cancer.	January 2007 to Nov 2009	NIH, Dept. of Microbiology & Immunology, University of Illinois at Chicago, Chicago, IL, USA.
Research fellow	Role of calcium and membrane binding proteins from synovial fluid of rheumatoid arthritis patients in pathogenesis of inflammation	January 2002 to December 2004	University Grants Commission (UGC) INDIA

Teaching experience:

Title	University/Institute	Date	Subject
Guest Lecturer	Dept. of studies in Biotechnology, University of Mysore, Mysore.	July 2005 to December 2006	M.Sc., Biotechnology
Assistant Professor	P. G. Department of Biotechnology, Teresian College (Affl. to UOM), Mysore	January 2010 to 19 th August 2019	M.Sc., Biotechnology
Associate Professor	DOSR in Food Technology, Davangere University. Davangere.	Currently working (from 20-08-2019)	M.Sc., Food Technology

Research Grants received:

Funding Agency	Project Title	Amount (Rs.)	Duration
UGC – Major Research Project, Govt. of India	Synthesis and evaluation of novel quinazoline analogues as tyrosine kinase inhibitors. Role in angiogenic prevention.	14,89,000-00	Completed
UGC Raman Fellowship to work in USA (2014-15)	Evaluation of Akt phosphorylation of MADD contributes to TRAIL resistance in Anaplastic Thyroid cancer cells	10,83,000-00	Completed
VGST-CISEE, Govt. of Karnataka	Screening and characterization of active principles of medicinal plants for their pro-apoptotic and anti-angiogenic activity on various human cancer cell lines.	30,00,000-00	Completed
DST Fast Track, Govt. of India	Screening and evaluation of anti-angiogenic activity of bioactive molecules from traditional medicinal plants and elucidation of its underlying molecular mechanism.	24,00,000-00	Completed

Research Guidance: Recognized Research guide of University of Mysore in Biotechnology Subject and Davangere University in Food Technology subject:

Students enrolled for Ph.D: 05 PhD Awarded: 04 Submitted: 00 Persuing:01

Award/Prize received:

1. Recipient of UGC sponsored **Dr. C.V. Raman Post-Doctoral Fellow award (Indo-US)** to work in University/Institute in USA for the year 2014-15. Trained in the lab of Dr. B.S. Prabhakar, Head, Dept. of Microbiology & Immunology, University of Illinois at Chicago, Chicago, USA, from January 27th 2015 to July 26th 2015.
2. Recipient of **VGST Citation award** for the year 2013-14 from Vision Group on Science & Technology, Dept. of IT, BT & ST, Govt. of Karnataka.

3. Secured **Best Oral presentation award** at National conference on Driving stem cell research towards therapy – A vision, organized by Pooja Bhagavath Memorial Post Graduate Centre, Mysore on March 2014.
4. Secured **Best Oral presentation award** at ICBPN-2012 international conference held at Dept. of Home Science, CMS College, Kottayam, and Kerala from Sep 21st – 23rd 2012.
5. Secured **Best Research Publication award-2021** on the occasion of “Teacher’s Day Celebration 2021 constituted by IQAC, Davangere University, Shivangotri, Davangere.

Patent Awarded:

Shankar J., Salimath B.P., Shaila M.S. (2018) Preparation of ghost membrane for CaMBP isolation **Indian Patent, Ref. No. 776/CHE/2006, Patent No. 294927.**

List of Publications:

1. Parrikar P.D., Balaji K.S., Sathisha A.D., Dharmappa K.K. **Shankar J.** (2022) Anti-angiogenic potential of novel 31kDa protein of *Zanthoxylum rhesta* is mediated by inhibition of HIF-1 α nuclear translocation *in-vivo*. **Accepted in Advances in Cancer Biology – Metastasis, 5, 10063.** doi.org/10.1016/j.adcanc.2022.100063.
2. Giresha A.S., Urs D., Manjunatha J. G., Sophiya P., Supreetha B. H., **Jayarama S., Dharmappa K. K.** (2022) Group IIA secreted phospholipase A inhibition by elemolic acid as a function of anti-inflammatory activity. **Scientific Reports** (Springer Nature), 12(1), 1-16. **(IF: 4.99)**
3. Sophiya P, Urs D, K. Lone J, Giresha AS, Krishna Ram H, Manjunatha JG, El-Serehy HA, Narayanappa M, Shankar J, Bhardwaj R, Ahmad Guru S and Dharmappa KK (2022), Quercitrin neutralizes sPLA2IIa activity, reduces the inflammatory IL-6 level in PC3 cell lines, and exhibits anti-tumor activity in the EAC-bearing mice model. *Front. Pharmacol.* 13:996285. doi: 10.3389/fphar.2022.996285. **(IF: 5.98)**
4. Madhu C.S., Balaji K.S., **Shankar J.**, Sunil Gowda S.N., Sharada A.C. (2022) Biofabrication of silver nanoparticles using *Praecitrullus fistulosus* fruit extract exhibits in vitro antibacterial and anticancer activity. Accepted in **Journal of Drug Discovery Science & Technology, 72, 1033-1040. (IF:5.06)**
5. Parrikar P.D., Srinivas B.K., Krishnappa D.K., **Jayarama S.** (2021) Apoptosis Inducing and Antiangiogenic Activity of Partially Purified Protein the Pericarp of *Zanthoxylum rhesta* *in-vitro* and *in-vivo*. **Pharmacogn Mag, 17, S96-S104. (IF: 1.08)**
6. PN Parrikar, BK Srinivas, DK Krishnappa, **S Jayarama** (2020) *Zanthoxylum rhesta* Crude Protein has Promising Pro-apoptotic and Anti-angiogenic Properties. **Asian Journal of Biological and Life Sciences, 9 (3), 334-341.**
7. Dileep M.G., Balai K.S., Dharmappa K.K. **Shankar J.** (2020) Novel 3-(3, 5-difluoro-4-hydroxyphenyl)-1-(naphthalen-2-yl) prop-2-en-1-one as a potent Inhibitor of MAP-kinase in HeLa cell lines and anti-angiogenic activity is mediated by HIF-1 α in EAC animal model. **Oncotarget, 11(50), 4661-4676. (IF: 2.68)**

- 8 Balaji K.S., Madhu C.S., **Shankar J.** (2020) Musa acuminata lectin exerts anti-cancer effects on HeLa and EAC cells via activation of caspase and inhibitions of Akt, Erk, and Jnk pathway expression and suppresses the neoangiogenesis in in-vivo models. *Int J Biol Macromol* 4;S0141-8130(20)34925-34934. DOI:10.1016/j.ijbiomac.2020.10.272. (IF: 8.025)
- 9 Ayesha Siddiq., Sadashivamurthy Shamanth., Mohammed Salman., Dharmappa, K. K., Mantelingu Kempegowda., & **Shankar Jayarama.** (2020). Synthesis, Characterization and Anti-inflammatory Activity of 2-(4-chlorobenzyl)-5-(di(5-substituted 1H-indol-3-yl)methyl)-6-(4-substituted phenyl) imidazo [2,1-b][1,3,4] thiadiazoles. *Asian Journal of Chemistry*, (32) 10 , 2577-2582. (IF: 0.53)
- 10 Ayesha Siddiq., Sadashivamurthy Shamanth., Mohammed Salman., Dharmappa, K. K., Mantelingu Kempegowda., & **Shankar Jayarama.** (2020). Elucidation of anti-proliferative and anti-angiogenic potential of novel imidazo[2,1-b][1,3,4] thiadiazole derivatives in Ehrlich ascites tumor model. *Biomedicine*, 40(2), 148- 159.
- 11 Sophiya P., Lohith N. S., Giresha A. S., **Shankar J.**, Rajkumar S. Meti, Dharmappa K. K. (2020) Inhibition of GIIA sPLA2 by Annona glabra as an anti-inflammatory function: An attempt to neutralize the inflammation of cancer. *Biomedicine*; 40: 45- 50.
- 12 Dileep Kumar M.G., **Shankar J.** (2020) Proapoptotic and anti-angiogenic activity of (2E)-3-(2-bromo-6-hydroxy-4-methoxyphenyl)-1-(naphthalene-2-yl)prop-2-en-1-one in MCF7 cell line. *Chemical Papers*. Doi.org//10.1007/s11696-020-01051-2. (IF: 2.14)
- 13 Dileep Kumar M.G., **Shankar J.** (2019) Synthesis, characterization and anti-inflammatory activity of (2E)-3-(2-bromo-6-hydroxy-4-methoxyphenyl)-1-(naphthalene-2-yl)prop-2-en-1-one. *Asian Journal of Chemistry*, 32, 561-564. (IF: 0.53)
- 14 Srinivas B.K., Shivamadhu M.C., Siddappaji K.K., **Shankar J.** (2019). Aniosuppressive effects of biofabricated silver nanoparticles synthesis using *clitoria ternatea* flower: an *in vitro* and *in vivo* approach. *J Biol Inorg Chem*, 24, 1115-1126. (IF: 3.8)
- 15 Balaji KS, Madhu CS, Preethi SD, Gurukar M, Tamizhmani T, Senthilkumar GP, **Shankar J.** (2019) Screening and Evaluation of Lectin and Anti-cancer Activity from the Phloem exudate/sap of the Indian Dietary Ethnomedicinal Plants. "**Pharmacognosy Journal**" (IF: 0.56) Accepted.
- 16 Madhu CS,Balaji KS, **Shankar J.**, Sharada AC.(2019)Antitumor effects of chitin specific lectin from Praecitrullusfistulosus by targeting angiogenesis and apoptosis. "**Biochemical and Biophysiscal Research Communications**" (IF: 2.705).

17. Balaji KS, Madhu CS, **Shankar J.** (2018) Angio-suppressive effect of partially purified lectin-like protein from *Musa Acuminata* pseudostem by inhibition of VEGF mediated neovascularization and Induces Cell Death both in-vitro and in-vivo. "**Nutrition and Cancer**", DOI.org/10.1080/01635581.2018.1540714 (IF: 2.322).
18. Lingaraju GS, Balaji KS, **Shankar J**, Anil SM, Kiran KR, Sadashiva MP. (2018) Synthesis of New Coumarin Tethered Isoxazolines as Potential Anticancer Agents. "**BMC Letters**" 28: 3606-3612; (IF: 2.442).
19. Madhu CS, Balaji KS, **Shankar J**, Sharada AC. (2017) Anti-cancer and anti-angiogenic effects of partially purified lectin from *Praecitrullus fistulosus* fruit on in vitro and in vivo model. "**Biomedicine and Pharmacotherapy**". (IF: 3.457)
20. PreethiSD, Balaji KS, Prasanna DS, Swaroop TR, **Shankar J**, Lokesh S, and Rangappa. KS "Synthesis, Characterization Of 4-Anilino-6,7-Dimethoxy Quinazoline Derivatives as Potential Anti-Angiogenic Agents". **Anti-Cancer Agents in Medicinal Chemistry**" (IF: 2.556)
21. Madhu CS, Balaji KS, **Jayarama S** (2017). Haemostatic property of new Cystein protease(s) from *Sesbania grandiflora*: It's action on fibrinogen. **Biocatalysis and Agricultural Biotechnology**. 12, 10-14.
22. Madhu CS, Balaji KS, **Shankar J** (2017). Anticancer effect of silver nanoparticles (AgNPs) from *Decalepishamiltonii*: An in vivo approach. Accepted in **Materials Today: Proceedings**. Article reference: MATPR3279.
23. Preethi Saligrama Devegowda, Kyathgowdanadoddi Srinivas Balaji, Doddakunche Shivaramu Prasanna, Toreshettahally Ramesh Swaroop, **Shankar Jayarama**, Lokesh Siddalingaiah, And Kanchugarakoppal Subbegowda Rangappa (2017). Pro-apoptotic Activity of Novel 4-Anilinoquinazoline Derivatives Mediated by Up-Regulation of Bax and Activation of Poly (ADP-ribose) Phosphatase in Ehrlich Ascites Carcinoma Cells. **Asian Journal of Chemistry**; 29(4), 896-904.
24. Preethi Saligrama Devegowda, Vivek Hamse Kameshwar, Kyathgowdanadoddi Srinivas Balaji, Doddakunche Shivaramu Prasanna, Toreshettahally Ramesh Swaroop, **Shankar Jayarama**, Lokesh Siddalingaiah, And Kanchugarakoppal Subbegowda Rangappa (2017) Synthesis, Characterization and Molecular Docking Studies of AnilinoQuinoline Derivatives. **IJCR**, 9(02), 46509-46517.
25. **Shankar Jayarama**, Shivakumar Subanna, Barathi Paramahamsa Salimath and Jayashree Krishnamurthy (2017). Quantification of VEGF and Screening of Transcription Factor HIF-1 α in Synovial Fluid of Polyarthritic Patients: Targets for Potential Anti-angiogenic Molecules. **J of Arthritis**, 6(1), 1-5.
26. Priyanka Shivaprakash, Kaythgowdanadoddi Srinivasa Balaji, Gangadhar Maheskumar Lakshmi, KagepuraThammaiah Chandrashekara, **Shankar Jayarama** (2016). Methanol Extract of *Caesalpinia bonducella* Induces Apoptosis via Up- Regulation of Bax and Activation of PARP in Ehrlich Ascites Tumor Cells. **Medicinal Aromatic Plants**, 5(6), 1-6.

27. Jyoti Chauhan, Balaji K S, **Jayarama S**, WethroeKapfo (2016).Evaluation of apoptogenic effects of *averrhoabilimbi* extract on ehrlich ascites carcinoma bearing mice. *Asian J. Pharm Clin Res*, 9(3), 1-5.
28. Thammaiah CK, **Jayaram S** (2016) Role of let-7 family microRNA breast cancer. *Non Coding RNA Res*. 1, 1-6. doi.org/10.1016/j.ncrna.2016.10.003. (IF: 1.8)
29. Kaythegowdanadoddi Srinivasa Balaji, Priyanka Shivaprakash, Saligrama Devegowda Preethi, Kagepura Thammaiah Chandrashekara, Kanchugarakoppal Subbegowda Rangappa, **Shankar Jayarama (2016)**. Angio suppressive effect of *Clitoria ternatea* flower extract is mediated by HIF- 1 α and down regulation of VEGF in murine carcinoma model. *Medicinal Chemistry*, DOI: 10.4172/2161-0444.1000392
30. Balaji K S., Priyanak S., DileepKumar M G., Madhu C S., Basavaraju P., ChandraShekara K T., **Jayarama S.** (2016). Anti-Angiogenic and Pro-Apoptotic Activity of Aqueous Extract of LeucasAspera in Erlich Ascites Carcinoma Model In-Vivo. *IJCR*, 8(7), 34683-34687.
31. Madhu C S., Balaji K S., Basavaraju P., **Jayarama S.**(2016). Evaluation of Anti-Oxidant Potential of HopeaPonga Bark Extracts. *WJPR*, DOI: 10.20959/wjpr20168-6736.
32. Balaji K S., Dileepkumar M G.,Madhu C S .,Basavaraju P., ChandrashekaraK T **Jayarama S.** (2016). Anti-Tumor And Anti-Angiogenic Activity Of CadabaFruticosa Leaf Extracts In Murine Carcinoma Model. *IJRSR*7 (6)12024-12028.
33. Venkatesh U, Kollur SP, Javarashetty C, **Jayarama S**, Murari SK (2016) Methanolic Extract of Wedeliatri lobata in Antiproliferation and Apoptotic Activity. *Nat Prod Chem Res* 4: 210. doi:10.4172/2329-6836.1000210. (IF: 1.21)
34. Rakesh K.S., Jagadish S., Balaji K.S., Zameer F., Swaroop T.R., Mohan C.D., **Jayarama S.,Rangappa K.S.** (2015) 3,5 Disubstituted Isoxazole Derivatives: Potential Inhibitors of inflammation and Cancer. *Inflammation*. DOI: 10.1007/s10753-015-0247-5. (IF: 2.884)
35. Roopashree R, Mohan CD, Swaroop TR, Jagadish S, Raghava B, Balaji KS, **Jayarama S**, Basappa, Rangappa KS. (2015). Novel synthetic bisbenzimidazole that targets angiogenesis in Ehrlich ascites carcinoma bearing mice. *BMC Letters*, 25, 2589–2593.(IF: 2.442)
36. Shivaprakash P., Balaji K.S., Chandrashekara K.T., Rangappa K.S., **Jayarama S.** (2015) Induction of apoptosis in MCF-7 cells by methanolic extract of *clitoria ternatea* L. *IJABPT*, 6(4), 80-86. (IF: 1.0)
37. Shivaprakash P, Balaji K.S, Preethi S.D, Ramesh S, Lokesh, S.,**Jayarama S.**(2015). Anti-angiogenic activity of aqueous extract of *H. integrifolia* in ehrlich ascites carcinoma model”.*International Journal of Current Research*, 7, (7), 18241-18246.

38. SathishaAD, Priyanka S, BalajiKS, Vigneshwaran V, Krupashree K, **Jayarama S. (2015)** Antidepressant like effect of the aqueous extract from *Garcinia Indica* fruit in mice models of depression. *Euro J Biomed & Pharm Sci.*, 2(3), 1133-1340.
39. Chauhan JB, Kapfo W, **Jayarama S**, Balaji KS. Antiangiogenic and proapoptotic activity of *Averrhoa carambola* L fruit extract on Ehrlich Ascites Carcinoma treated mice. *IJABPT*, 6(2), 2015, 246-254. (IF: 1.0)
40. **Jayarama S**, Li LC, Ganesh L, Mardi D, Kanteti P, Hay N, Li P, Prabhakar BS. (2014) MADD is a downstream target of PTEN in targeting apoptosis. *J Cell Biochem.* 2014, 115(2), 261-270. (IF: 3.1)
41. Li, L.C, **Jayarama S**, Pilli T, Qian L, Pacini F, Prabhakar B.S. (2013) Down modulation of IG20/MADD expression or phosphorylation renders TRAIL resistant thyroid cancer cells susceptible to TRAIL treatment. *Thyroid*, 23(1), 70-78. (IF: 4.79)
42. Li L.C, **Jayarama S**, Ganesh L, Qian L, Rotmensch J, Maker A.V, Prabhakar B.S. (2011) Knockdown of MADD and c-FLIP overcomes resistance to TRAIL-induced apoptosis in ovarian cancer cells. *American Journal of Obstetrics & Gynecology*. 362: e12-e25. (IF: 3.4)
43. *Li P, ***Jayarama S**, Ganesh L, Mordi D, Carr R, Kanteti P, Hay N, Prabhakar B. S. (2010) Akt-phosphorylated mitogen-activated kinase-activating death domain protein (MADD) inhibits TRAIL-induced apoptosis by blocking Fas-associated death domain (FADD) association with death receptor 4. *J Biol Chem*, 285(29): 22713-22722. *Authors contributed equally to this work. (IF: 7.4)
44. Bhattacharya P, Grimme S, Ganesh B, Gopisetty A, Sheng JR, Martinez O, **Jayarama S**, Artinger M, Meriggioli M, Prabhakar BS. (2010), Nanodisc-incorporated hemagglutinin provides protective immunity against influenza virus infection. *J Virology*, 84(1): 361-371. (IF: 5.2)
45. Pilli T, Prasad KV, **Jayarama S**, Pacini F, Prabhakar B.S. (2009) Potential utility and limitations of thyroid cancer cell lines as models for studying thyroid cancer. *Thyroid*, 19(12): 1333-1342. (IF: 4.3)
46. **Shankar J**, Thippagowda PB, Kanum SA. (2009) Inhibition of HIF-1 α activity by BP-1 ameliorates adjuvant induced arthritis in rats. *BBRC*, 387(2): 223-228. (IF: 2.8)
47. Kumar CA, **Jayarama S**, Basappa, Salimath BP, Rangappa KS. (2007) Pro-apoptotic activity of imidazole derivatives mediated by up-regulation of Bax and activation of CAD in Ehrlich Ascites Tumor cells. *Invest New Drugs*, 25(4): 343-350. (IF: 3.1)

Book/ Book Chapter Published

1. Voltammetric Devices for Disease Advanced Detection. Sophiya P., Urs D., Meti R.S., Banu H.A.N., **Shankar J.**, Dharmappa K.K. *Voltammetry for Sensing Applications*, 2022, Pages 339-351, **Bentham Science Publishers**.

Oral papers/ Poster presented in national & international symposia/conferences

- **“An in vitro and in vivo Angio Suppressive activity nanoparticles from Clitoriaternatea flower”** Present a Paper in two days international symposium on “Developing drugs for Tomorrow: Challenges and Opportunities”, held on 1st and 2nd January 2018, Organized by Adichunchanagiri Institute for Molecular Medicine (AIMM). And Adichunchanagiri Institute of Medical of Sciences(AIMS), Nagamangala, Karnataka.(**Poster International**).
- Present a Paper in two days UGC and DST-SERB Sponsored National symposium on “Trends in Bioactive Natural Products and Health Care”, held o 6th and 7th October 2017, Organized by Department of Studies in Biochemistry Mangalore University Post Graduate Center ChikkaAluvara, Kodagu.(**Poster National**)
- Participated in International Conference on IJAA and JSPS 2016 held during 9th -10th August 2016 at IOE University of Mysore.
- Participated in International Conference on Nanotechnology-2016 (ICNan0-2016) held during 21st -23rd April 2016 at VTU Center for PG Studies, Chikkaballapur.
- Tran generational Effect of Curcumin on Oxidative Stressed Drosophila Malanogaster. Kirankumar., Ayesha Siddiq., **Shankar. J.**, and K T Chandrashekar.National Conference on “Frontiers in Genetics and Genomics.” Organised by the Department of Genomics Sience, Cental University of Kerala, Padannakad, Kasaragod, Keral From 7th and 8th April 2016
- Participated in 7 day national workshop on **“NEXT GENERATION SEQUENCING”** organized by IOE, University of Mysore, Mysore India from 23RD – 29TH April 2016
- Participated in **103rd Indian Science Congress** held at University of Mysore, Mysore from 3rd-7th, January 2016.
- Participated in 7 day national workshop on **“NMR/MRI – from molecules to human behavior”**. Jointly organized by IOE, University of Mysore, Mysore and NMR society, India from 15th– 21st, 2015.
- Participated in 4 day national Workshop on **“NEXT GENERATION SEQUENCING”** organized by IOE, University of Mysore, Mysore India from 7th – 9TH October, 2015
- Receptor Tyrosine Kinase Inhibitors as Anti-Angiogenic Therapeutic Drugs For Treatment Of Human Cancer. **Shankar.J.**,Preethi S.D., Balaji K.S., Prasanna D. S., and RangappaK.S.International symposium on Chemical Biology Approach to Metabionics, Chemical Genomics and Epigenomics and Second Annual Meeting of Chemical Biology Society ,India Organized by University of Mysore ,Mysore on February 18-19, 2015.-(**Poster**)-**International**
- Evaluation of antidepressant- like effects of aqueous extract of *garciniaindica* fruits in experimental Model of Depression. **Shankar J.**,Priyanka S., Balaji K .S ., Vigneshwaran V., Rachitha P., Krupashri K., an Sathisha AD .National Conference on Phytochemical and Functional

Foods: Current Situation and Future Prospects (PFFCSFP 2015) held during 20th -21st February 2015 organized by Postgraduate Department of Biochemistry JSS College of Arts, Commerce And Science Ooty Road ,Mysore- **(Poster) National**

- Knockdown of IG20/MADD and Tumor Necrosis Factor-Related Apoptosis Inducing Ligand (TRAIL) Treatment induces apoptosis in TRAIL resistant Thyroid Cells. **Shankar J** and Prabhakar B.S. National conference on driving stem cell research towards therapy – A vision, held during 20th-21st March 2014 at Pooja Bhagavath Memorial Post Graduate Centre, Mysore on March 2014. **(Secured Best oral Presentation Award)- National**
- Aqueous extract of *Clitoria ternata* induced apoptosis in EAT cells involving upregulation of PTEN gene expression by dephosphorylating AKT. **Shankar J.** Chandrashekara K.T., Priyanka S., Balaji K.S., Kiran Kumar S. International Symposium on Chemical Biology- Drug discovery programme, organized by IOE, UPE, DST-PURSE, University of Mysore on 9th- 10th January 2010 **(Poster)- International**
- Anti-angiogenic activity of *Caesalpinia bonducella* leaf extracts in Ehrlich Ascites Tumor Cells in-vivo. **J. Shankar**, K.S. Balaji, S. Priyanka and R.A. Vasantha. International Conference on Agriculture and Biotechnology (ICABT) December 29th-30th, 2013, Kuala Lumpur, Malaysia. **(Oral) – International**
- Quinazoline Analogues as Anti-Angiogenic Agent: Role in Cancer Prevention. **Shankar J.**, Balaji K S., Preethi S D., Prasanna D S., Rangappa K S ., National Conference on Recent Trends In Chemical Biology : AN Overview (RTCB-2013) Organised by Department of Chemistry and Biotechnology (UG and PG) Tressian College Mysore on October 25th -26th -2013 **(Poster)- National**
- Anti-Lukaemia Effect of *Wedelia trilobata* Medicinal Plant. Udaya V., **Shankar J.**, B S Vishwanath and Satish Kumar Murari. National Conference on Recent Trends In Chemical Biology : AN Overview (RTCB-2013) Organised by Department of Chemistry and Biotechnology (UG and PG) Tressian College Mysore on October 25th -26th -2013 **– National**
- In-vivo Pro-Apoptotic and Anti-Angiogenic Effect of *Cardiospermum halicacabum* Extract on Ehrlich Ascites Tumor Cells. **Shankar J.**, Balaji K.S., and Priyanka S. National conference on Recent Discoveries in Protein Science. organized by Karnataka State Higher Education Council on 31st January 2013- **National**
- β -sitosterol of *Abutilon indicum* induced apoptosis in EAT cells involving upregulation of PTEN gene expression and inactivation of the PI3K/Akt pathway. **Shankar J.**, Balaji K.S, Prabhu T, Shaista Farha., Vasantha R.A, and Prabhakar B.S. ICBPN-2012, Sep 21st – 23rd 2012 held at Dept. of Home Science, CMS College, Kottayam, Kerala. **(Secured Best Oral presentation Award) – International.**
- Proapoptotic and Anti Angiogenic Activity Of *Caesalpinia Bonducella* aqueous Extract in Ehrlich Ascites Tumor (EAT) Cells in-vivo. **Shankar Jayaram.**, K S. Balaji., T. Prabhu., Shaista Farha., R A Vasantha ., National Conference on Molecular Diagnosis -2012 organised by Department of Studied in biochemistry tumkur university ,tumkur and Indian Council of Medical Research(ICMR) , New Delhi on July 13th-2012 **(Preliminary Report) -National**
- Angiogenic and proliferative effects of the cytokine VEGF in Ehrlich ascites Tumor cells is inhibited by *Abutilon indicum* extract. **Shankar J.**, Balaji K.S., Shaista Farha, Prabhu T., Vasantha

R.A. and Salimath B.P. National symposium on “Immunology Today: Recent Developments in Health and Disease” Nov 14th -15th 2011 held at DOS in Biochemistry, University of Mysore, Mysore, India. **(Poster) – National**

- Akt-phosphorylated MADD inhibits TRAIL-induced apoptosis by blocking FADD association with death receptor 4. Shankar Jayarama, Peifeng Li, Liangcheng Li, Prasad V Kanteti, Rangappa K.S and Bellur S Prabhakar. International symposium on Challenges in Drug Discovery Programme-2011, Feb 16th – 17th, 2011, held at Karnataka State Open University (KSOU), manasagangotri, Mysore, India. **(Poster) - International**
- MADD, a novel human protein, can confer resistance to apoptosis in thyroid cancer cells; Akt mediated phosphorylation regulates its pro-survival function. Prabhakar B.S, Pilli T, Jayarama S, Subramanian M, Li L, Pacini F. American Thyroid Association (ATA), 80th annual meeting, September 23rd-27th, 2009, University of Siena, Siena, Italy. **(Poster) – International**
- “MADD, a cancer cell prosurvival factor, can be effective target for cancer with constitutive activation of Akt and MAPK. Bellur S Prabhakar, Shankar Jayarama, Liangcheng Li, Peifeng Li, Bapi-Rajukurada, Lakshmy Ganesh, Prasad Kanteti. AACR, 100th annual meeting, April 18th-22nd, 2009. Colorado convention center, Denver, Colorado, USA. **(Poster) – International**
- Role of MADD, a prosurvival isoform of IG20 gene, in cancer cell survival is dependent upon its phosphorylation by Akt. Shankar Jayarama, Lakshmy Ganesh, David C. Mordi, Goutham Pattabiraman, Prasad V. Kanteti, Peifeng Li, and Bellur S. Prabhakar. AACR, 99th annual meeting, April 12th-16th, 2008. San Diego convention center, San Diego, California, USA. **(Oral Presentation) – International**
- “Identification of pro-angiogenic inflammatory protein in the synovial fluid of rheumatoid arthritis patients and production of therapeutic antibodies” Shankar J and Bharathi P. Salimath. 3rd national symposium on venoms and toxins held in Department of Biochemistry, Mansangangothri, Mysore. January 23rd-24th, 2004. **(Poster) – National**
- Mechanism of action of pro-inflammatory proteins from inflammatory disorders. Shankar J and Bharathi P. Salimath. 71st annual meeting of Society of Biological Chemist (I), November 14th–16th 2002, Punjab Agricultural University, Ludhiana, India. **(Poster) - National**
- Participated in 1 day national workshop on “**Intellectual Property Training and Awareness**” organized by IOE, University of Mysore, Mysore India from 10th April 2014
- Participated in 2 day KSTA Regional Conference on “**Science and Technology for Educational and Health Care**” February 21st and 22nd 2014, held at JSS College of Arts, Science and Commerce Ooty road Mysore.
- Participated in 2 day UGC sponsored national conference on “**Biotechnology In Health Care: Bench to Bedside**” September 27th& 28th 2013, held at Sahyadri Science College, Kuvempu University, Karnataka, India.

- Participated in 3 day national workshop on “**Training in Proteomics and Genomics**” organized by DOS in Biotechnology and Microbiology, University of Mysore, Mysore India from 14th -16th September 2011.
- Participated in 1 day State Level seminar on “**Emerging Infections Diseases-In Genomic Era**” October 27th 2010 held at DOS in Biotechnology Microbiology PBMMPGC Mysore.
- Participated in national symposium on ‘**Emerging trends in Biotechnology**’. March 20th & 21st 2010, held at Sahyadri Science College, Kuvempu University, Karnataka, India.
- Participated in one day symposium on ‘**Microbial Energy**’ on 15th September 2010. Department of Studies in Microbiology and Sir M. Visvesvaraya Chair, University of Mysore, Manasagangotri, Mysore, India.

Symposia / Conference / Workshop Organized:

Organizing Secretary for UGC sponsored 3 day National workshop on “**Animal Cell Culture Techniques Demonstration & Hands On Experiments**” organized by P.G. Department of Biotechnology and in association with Association of Microbiologist’s of India, Mysore Chapter, CFTRI, Mysore on 17th to 19th September, 2014.

Convenor for UGC sponsored 2 day National conference on “**Recent trends in Chemical Biology: An Overview**” organized by Department of Chemistry and Biotechnology (UG & PG) Teresian college, Mysore in association with Karnataka State Open University, Mysore on 25th and 26th October, 2013.

Members to Academic bodies:

1. Member BOS, Dept. Dept. of Biochemistry, KSOU, Mukthagangotri, Mysore.
2. Member BOS, Dept. Dept. of Biotechnology, Govt. Science College, Autonomous, Hassan.
3. Member BOE, Dept. of Food Technology, Davangere University, Davangere.
4. Member BOE, Dept. of Biochemistry, KSOU, Mukthagangotri, Mysore.
5. Member BOE, Dept. of Biotechnology, KSOU, Mukthagangotri, Mysore.
6. Member BOE, Dept. of Food Science and Nutrition, Mangalore Univerisy, Mangalore.
7. Secretary, Association of Microbiologist’s of India – Mysore chapter (2018-2019).
8. Secretary, Association of Food Scientist’s and Technologist’s India (AFSTi) – Davangere Chapter (2021- Till date)

Members to Scientific bodies:

1. Indian Association of Cancer Research (IACR) - Life Member
2. Indian Science Congress Association (ISCA) – Life Member
3. Nuclear Magnetic Resonance Society (NMRS) - Life Member
4. Association of Food Scientists and Technology of India (AFSTi) – Life Member

Date: 30-01-2023

Place: Davangere

(Shankar. J)