

## **Faculty Profile**



**Name:** Dr. Chandrashekhar Gajanan Joshi

**Designation:** Professor

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**Research Areas:** Cancer Biology, Nanotechnology,  
Phytopharmacology

Link to detailed CV

## Detailed CV



**Name:** Dr. Chandrashekhar Gajanan Joshi  
**Educational Qualification:** M.Sc., PhD., PDF(USA)  
**Designation:** Professor  
**Address for Correspondence:** Biochemistry Programme, Mangalore University,  
Mangalagangothri, Mangalore-574 199.  
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**Phone:** + 91-9448446641  
**Research Areas:** Cancer Biology, Nanotechnology, Nanomedicine,  
Phytopharmacology  
**Professional Teaching Experience:** 16 Years  
**Research Guidance (Ph.D.):**

### Completed students' list

1. Dr. Ananda D
2. Dr. Manjunath HM
3. Dr. Sunil Kumar R
4. Dr. Nivya MT
5. Dr. Usha B
6. Dr. Jagadeesha P

### Ongoing Registered Students' list

1. Mr. Dinesh B
2. Mr. Chenna Kehsava
3. Mr. Ahmed Jaafar AbdulSadeq
4. Mr. Gagan
5. Mrs. Jwala Nagaraj

## Research Projects

### Ongoing

Title of the Project	Funding Agency	Amount (Rs)	Tenure
Mechanistic study of 4-HO-2-oxo-1, 2-dihydroquinoline-3-carboxylic acid (2-carbamoyl-phenyl)-amide (D2) to prevent the progression of prostate cancer	DST-SERB	27.52 Lakhs	2023-26

### Completed

Title of the Project	Funding Agency	Amount (Rs)	Tenure
Isolation of cytotoxic and other pharmacologically significant compounds from Euphorbiaceae family	UGC	1.30 Lakhs	2009-11
Isolation of novel antiangiogenic and other pharmacologically significant molecules from endemic endophytic fungi	UGC	14.45Lakhs	2013-17
Isolation and characterization of novel radio-protective flavonoids from <i>Tragia involucrata</i>	DAE -BRNS	20.31 Lakhs	2013-17

## Awards / Fellowship / Recognition

1. ICMR International Fellowship for Young Bio-medical Scientists-2017-18 (University of Miami, USA).
2. Qualified GATE-96 with 91.99 Percentile.
3. Qualified UGC-CSIR Net Examination for Lectureship (2001).
4. Qualified Maharashtra State Eligibility Test for Lectureship (2000).
5. Best Paper award in International Conference on Nanotechnology: The fruition of science. Nessamony Memorial Christian College, Marthandam, Kerala, 16<sup>th</sup> -17<sup>th</sup>, February 2017.
6. First Prize (Oral presentation) in National seminar on Drug discovery from Bio-organic Chemicals and Indigenous systems of medicines for the Betterment of Public Health (DDBI) 2015. Sharada Vilas College of Pharmacy, Mysore. 31<sup>st</sup> July-1<sup>st</sup> August 2015.

7. First Prize (Poster presentation) in a National seminar on Biomolecules and Biocatalysts in Bioprocess. St. Aloysius College, Mangalore. 8-9<sup>th</sup> March 2012.
8. First Prize (Oral presentation) in International Conference on Contemporary Researches in Engineering, Science, Management & Arts (ICCRE SMA2022) created & powered by Centre for Research and Training (CRT), National Foundation for Entrepreneurship Development (NFED), Coimbatore, Tamil Nadu, India on 27-29 January 2022.
9. Reviewer of project proposals for DST/BRNS/UGC
10. Referee for the review of a paper for

Elsevier- Biomedical Journal, Biochemistry, and Biophysics Reports, Colloids and Surfaces B: Bio interfaces, Journal of Saudi Chemical Society, Genejournal, Chemistry and Physics of Lipids, Pharmacological Research - Modern Chinese Medicine

Springer Nature- Biomass Conversion and Biorefinery, Microbial Cell Factories, 3Biotech, Scientific Reports

Taylor and Francis-Artificial Cells Nanomedicine and Biotechnology, Pharmaceutical Biology, Pharmacology & Toxicology, Spectroscopy Letters

Public Library of Science -PLOS ONE

O'Reilly and SAGE- PeerJ

Cell Press- Heliyon

Hindawi- Journal of Oncology, Scientifica

BMC- World Journal of Surgical Oncology

## Recent Publications

1. Mehra, S., Garrido, V.T., Dosch, A.R., Lamichhane, P., Srinivasan, S., Singh, S.P., Zhou, Z., De Castro Silva, I., **Joshi, C.**, Ban, Y. and Datta, J., **2023**. Remodeling of Stromal Immune Microenvironment by Urolithin A Improves Survival with Immune Checkpoint Blockade in Pancreatic Cancer. *Cancer Research Communications*, pp.CRC-22.
2. Pratap, G.K., Nagaraju, P.G., Danagoudar, A., **Joshi, C.G.**, CG, P.P., Mohammed, Y.H.I., Koodlur, L. and Shantaram, M., **2022**. Neuroprotective, lifespan and memory enhancing potential, and molecular docking studies of natural compound from *Curculigo orchioides*: A study on Alzheimer's disease model of Appl-GAL4 *Drosophila melanogaster*. *South African Journal of Botany*, 149, pp.60-66.
3. K Ravi, S., Narasingappa Ramesh, B., KJ, S., Poyya, J., Karanth, J., Raju, N.G. and **G Joshi, C.**, **2022**. Neuroprotective role of herbal alternatives in circumventing Alzheimer's disease through multi-targeting approach-a review. *Egyptian Journal of Basic and Applied Sciences*, 9(1), pp.91-124.

4. Dinesh, B., Chethan, M.U., Pratap, G.K., Poyya, J., Shantaram, M., Hampapura, J.S., Karigar, C.S. and **Joshi, C.G., 2021**. Biogenic Synthesis of Silver Nanoparticles using *Aspergillus Aureoles* (Endophyte) and Demonstration of their Anti-microbial Activity. *Analytical Chemistry Letters*, 11(6), pp.899-910.
5. Dinesh, B., Monisha, N., Shalini, H.R., Prathap, G.K., Poyya, J., Shantaram, M., Hampapura, J.S., Karigar, C.S. and **Joshi, C.G., 2022**. Antibacterial activity of silver nanoparticles synthesized using endophytic fungus—*Penicillium cinnamopurpureum*. *Spectroscopy Letters*, 55(1), pp.20-34.
6. Pratap, G.K., Ananda, D., **Joshi, C.G.** and Shantaram, M., **2021**. Ameliorative activity of medicinal plant fraction for neuroprotection against acrylamide-induced neurotoxicity in *Drosophila melanogaster*—a comparative study. *The Journal of Basic and Applied Zoology*, 82(1), pp.1-10.
7. Poyya, J., Kumar, D.J., Nagendra, H.G., Dinesh, B., Rao, S.A. and **Joshi, C.G., 2021**. Receptor based virtual screening of potential novel inhibitors of tigar [TP53 (tumour protein 53)-induced glycolysis and apoptosis regulator. *Medical Hypotheses*, 156, p.110683.
8. Danagoudar, A., Pratap, G.K., Shantaram, M., Ghosh, K., Kanade, S.R., Sannegowda, L.K. and **Joshi, C.G., 2021**. Antioxidant, cytotoxic and anti-choline esterase activity of green silver nanoparticles synthesized using *Aspergillus austroafricanus* CGJ-B3 (endophytic fungus). *Analytical Chemistry Letters*, 11(1), pp.15-28.
9. Usha, B. and Jyothsna, K. and **Joshi, C.G., 2020**. Antioxidant, anti-inflammatory, analgesic and anti-proliferating activities of *Grewia heterotricha* Mast. *Biomedicine*, 40(3), pp.272-277.
10. Danagoudar, A., Pratap, G.K., Shantaram, M., Chatterjee, B., Ghosh, K., Kanade, S.R. and **Joshi, C.G., 2020**. Cancer cell specific cytotoxic potential of the silver nanoparticles synthesized using the endophytic fungus, *Penicillium citrinum* CGJ-C2. *Materials Today Communications*, 25, p.101442.
11. Danagoudar, A., Pratap, G.K., Shantaram, M., Ghosh, K., Kanade, S.R. and **Joshi, C.G., 2020**. Characterization, cytotoxic and antioxidant potential of silver nanoparticles biosynthesised using endophytic fungus (*Penicillium citrinum* CGJ-C1). *Materials Today Communications*, 25, p.101385.
12. Thimmaiah, N.M., **Joshi, C.G.**, Patil, R.K., Khandagale, A.S., Somashekarappa, H.M., Ananda, D. and Manjunath, H.M., **2019**. Mitigation of Radiation-Induced Oxidative Stress by Methanolic Extract of *Tragia involucrata* in Swiss Albino Mice. *Pharmacognosy Research*, 11(3).
13. Totiger, T.M., Srinivasan, S., Jala, V.R., Lamichhane, P., Dosch, A.R., Gaidarski III, A.A., **Joshi, C.**, Rangappa, S., Castellanos, J., Vemula, P.K. and Chen, X., **2019**. Urolithin A, a novel natural compound to target PI3K/AKT/mTOR pathway in pancreatic cancer. *Molecular cancer therapeutics*, 18(2), pp.301-311.

14. Hulikere, M.M. and **Joshi, C.G., 2019.** Characterization, antioxidant and antimicrobial activity of silver nanoparticles synthesized using marine endophytic fungus-*Cladosporium cladosporioides*. *Process biochemistry*, 82, pp.199-204.
15. Nivya, M.T., Patil, R.K., Rao, G.M.A., Khandagale, A.S., Somashekarappa, H.M., Ananda, D., Manjunath, H.M. and Joshi, C.G., **2019.** Cytotoxicity based screening for radioprotective properties of methanolic extract of *Tragia involucrata* L. on cultured human peripheral lymphocytes exposed to gamma radiation. *Indian Journal of Experimental Biology*, 57(7), pp.469-477.
16. Totiger, T., Srinivasan, S., VanSaun, M., **Joshi, C.**, Shi, C., Dai, X., Dawra, R., Gaidarski, A., Nestler, E., Merchant, N. and Nagathihalli, N., **2018.** CREB transgenic mice to study alcohol-associated pancreatic carcinogenesis. *Cancer Research*, 78(13\_Supplement), pp.5042-5042.
17. Ravi, S.K., Narasingappa, R.B., **Joshi, C.G.**, Girish, T.K. and Vincent, B., **2018.** Neuroprotective effects of *Cassia tora* against paraquat-induced neurodegeneration: relevance for Parkinson's disease. *Natural product research*, 32(12), pp.1476-1480.
18. Danagoudar, A., **Joshi, C.G.**, Ravi, S.K., Kumar, H.G.R. and Ramesh, B.N., **2018.** Antioxidant and cytotoxic potential of endophytic fungi isolated from medicinal plant *Tragia involucrata* L. *Pharmacognosy Research*, 10(2).
19. Hulikere, M.M., **Joshi, C.G.**, Danagoudar, A., Poyya, J., Kudva, A.K. and Dhananjaya, B.L., **2017.** Biogenic synthesis of gold nanoparticles by marine endophytic fungus-*Cladosporium cladosporioides* isolated from seaweed and evaluation of their antioxidant and antimicrobial properties. *Process Biochemistry*, 63, pp.137-144.
20. Poyya, J., **Joshi, C.G.**, Kumar, D.J. and Nagendra, H.G., **2017.** Sequence analysis and phylogenetic studies of hypoxia-inducible factor-1 $\alpha$ . *Cancer informatics*, 16, p.1176935117712242.
21. Kumar, R.S., Narasingappa, R.B., **Joshi, C.G.**, Girish, T.K., Rao, U.J.P. and Danagoudar, A., **2017.** Evaluation of *Cassia tora* Linn. against oxidative stress-induced DNA and cell membrane damage. *Journal of Pharmacy & Bioallied Sciences*, 9(1), p.33.
22. Kumar, R.S., Narasingappa, R.B., **Joshi, C.G.**, Girish, T.K. and Danagoudar, A., **2017.** *Caesalpinia Crista* Linn. Induces protection against DNA and membrane damage. *Pharmacognosy Magazine*, 13(Suppl 2), p.S250.
23. Danagoudar, A., **Joshi, C.G.**, Sunil Kumar, R., Poyya, J., Nivya, T., Hulikere, M.M. and Anu Appaiah, K.A., **2017.** Molecular profiling and antioxidant as well as anti-bacterial potential of polyphenol producing endophytic fungus-*Aspergillus austroafricanus* CGJ-B3. *Mycology*, 8(1), pp.28-38.
24. Danagoudar, A., **Joshi, C.G.**, Nivya, M.T., Manjunath, H.M., Poyya, J. and Sunil Kumar, R., **2017.** Antimicrobial and larvicidal potential of endophytic fungi isolated from *Tragia involucrata* Linn. *Ann. Plant Sci*, 6, pp.1494-1498.

25. Manjunath, H.M., **Joshi, C.G.** and Raju, N.G., **2017**. Biofabrication of gold nanoparticles using marine endophytic fungus–*Penicillium citrinum*. *IET nanobiotechnology*, 11(1), pp.40-44.
26. Hulikere, M.M., **Joshi, C.G.**, Ananda, D., Poyya, J. and Nivya, T., **2016**. Antiangiogenic, wound healing and antioxidant activity of *Cladosporium cladosporioides* (Endophytic Fungus) isolated from seaweed (*Sargassum wightii*). *Mycology*, 7(4), pp.203-211.
27. Hulikere, M.M., **Joshi, C.G.**, Nivya, T., Ananda, D. and Raju, N.G., **2016**. Antiangiogenic and antioxidant activity of endophytic fungus isolated from seaweed (*Sargassum wightii*). *Asian J Biochemistry*, 11(4), pp.168-176.

## Papers/poster presentations in Conferences / Seminars / Symposia

### International

1. Jagadeesha P & **Joshi CG**. “Evolutionary relationship of hypoxia-1--alpha factor and its relevance to cancer”. International Conference on Advanced Biology 2022 by Inter University Centre for Evolutionary and Integrative Biology, University of Kerala, Kariavattom, Thiruvananthapuram on 23<sup>rd</sup> to 25<sup>th</sup> February 2022(Corresponding and presenting author).
2. Manjunath HM & **Joshi CG**. "Antimicrobial potential of silver nanoparticles synthesized using endophytic fungi isolated from *Sargassum weightii* (Seaweed)". International Conference on Contemporary Researches in Engineering, Science, Management & Arts (ICCREMA 2022) created & powered by Centre for Research and Training (CRT), National Foundation for Entrepreneurship Development (NFED), Coimbatore, Tamil Nadu, India on 27<sup>th</sup> -29<sup>th</sup> January 2022 (Corresponding and presenting author).\
3. Dinesh B & **Joshi CG**. “Green silver nanoparticles synthesized using endophytic fungus exhibits antimicrobial activity”. 5<sup>th</sup> International conference on Material chemistry(virtual mode) organized by SRM Institute of Science and Technology in association with Alternative Energies and Atomic Energy Commission & Universite Gustave Eiffel from 18<sup>th</sup> to 20<sup>th</sup> February **2021**(Corresponding and presenting author).
4. Danagoudar A, Pratap G K, Shantaram M, Chatterjee B, Ghosh K, Kanade SR, & **Joshi CG**. “Biosynthesis of silver nanoparticles using *Aspergillus austroafricanus* CGJ-B3 and study of its cytotoxic activity”. International E-conference on New Horizons in Biochemistry, Microbiology and Food Technology Jointly organized by Yogi Vemana University and University Malaysia Kelantan from 12<sup>th</sup> to 13<sup>th</sup> October, **2020** (Corresponding and presenting author).
5. Totiger T, Srinivasan S, VanSaun M, **Joshi CG**, Shi C, Dai X, Dawra R, Gaidarski A, Nestler E, Merchant NB, Nagathihalli N. “CREB transgenic mice to study alcohol-associated pancreatic carcinogenesis”. American Association for Cancer Research annual meeting, **Chicago, USA** from 14<sup>th</sup> to 18<sup>th</sup> April, **2018** (Coauthor).

6. Totiger T, Srinivasan S, VanSuan M, **Joshi CG**, Shi C, Dai X, Dawra R, Gaidarski A, Nestler E, Merchant N, and Nagathihalli N. CXCL2 induces CREB and modulates alcohol induced pathogenesis of pancreatic cancer. Surgery day poster session, University of Miami, **Miami, FL, USA** on 10<sup>th</sup> May **2018** (Coauthor).
7. Srinivasan S, Totiger T, Shi C, Castellanos J, Lamichhane P, **Joshi CG**, Dosch A, Kashikar N, Honnenahalli K, Ban Y, Merchant N, VanSuan M, Nagathihalli N. "Tobacco carcinogen induced GM-CSF production activates CREB to promote pancreatic carcinogenesis". 19<sup>th</sup> Annual Zubaroid memorial Lecture and Sylvester Cancer Research Poster Session, University of Miami, **Miami, FL, USA** on 11<sup>th</sup> May **2018** (Coauthor).
8. Srinivasan.S, Totiger T, VanSuan M, **Joshi CG**, Massagio F, Shi C, Dosch A, Kashyap M, Dawra R, Merchant N, and Nagathihalli N. "CREB drives pathogenesis of alcoholic pancreatitis." Society of Asian Academic Surgeons 3rd Annual Meeting. **2018**, 27<sup>th</sup> to 28<sup>th</sup> September. Medical College of Wisconsin, **WI, USA** (Coauthor).
9. Totiger T, Srinivasan.S, **Joshi CG**, Shi C, Dai X, Gaidarski A, VanSuan M, Merchant N, and Nagathihalli N. "CREB is a critical oncogenic driver in alcohol-induced pancreatic carcinogenesis". Society of Asian Academic Surgeons 3rd Annual Meeting. **2018**, 27<sup>th</sup> to 28<sup>th</sup> September. Medical College of Wisconsin, **WI, USA** (Coauthor).
10. Ananda D, **Joshi CG**, Shankar J and Balaji K.S. 23<sup>rd</sup> - 25<sup>th</sup> February 2017. Antiangiogenic potential of endophytic fungi isolated from the traditional medicinal plant (*Tragia involucrata*). International conference on health care in 21<sup>st</sup> century: Perspectives of ethno pharmacology and medicinal plant research. CG Bahakta Institute of Biotechnology and Maliba pharmacy college, Bardoli, Surat, Gujarat (Presenting author).
11. Hulikere MM, **Joshi CG**, and Sarojini. 16<sup>th</sup> -17<sup>th</sup>, February 2017. Charecterization, Antiangiogenic and antimicrobial activity of silver nanoparticle synthesized using marine endophytic fungus- *Simpicillium lanosoniveum*. International conference on Nanotechnology: The fruition of science. Nessamony Memorial Christian College, Marthandam, Kerala (Corresponding author).
12. Hulikere MM, **Joshi CG**. May 27<sup>th</sup> -28<sup>th</sup>, 2017. Antiangiogenic, antimicrobial and antioxidant activity of silver nanoparticles synthesized from endophytic fungi *Penicillium citrinum* isolated from sea weed (*Sargassum wightii*). International conference on Green chemistry & nanotechnology opportunities and challenges, St. Aloysius College, Mangalore (Corresponding author).
13. Nivya MT, **Joshi CG**, KP Rajashekhar, Gopal M, HM Somashekarappa, Vijay R, Ananda D, Manjunath HM, Suchetha Kumari N. 11<sup>th</sup> -13<sup>th</sup> February **2016**. Evaluation Post-Radioprotective Potential of methanolic Extract of *Tragia involucrata* on Cultured Human Lymphocytes Exposed to Gamma Radiation. International conference BAARC, Mumbai (Corresponding author).
14. Nivya MT, **Joshi CG**, Rajashekhar K P, Gopal M, Somashekarappa HM, Vijay R, Ananda D, Manjunath HM, Kumari SN, Sharmila KP. 11<sup>th</sup> -13<sup>th</sup> February **2016**. Evaluation of post radioprotective potential of methanolic extracts of *Tragia involucrata* L. against cultured human lymphocytes exposed to gamma radiation. International conference on radiation research: Impact on human health and environment. BARC, Mumbai (Corresponding author).



15. **Joshi CG**, Nivya MT, Patil RK, Gopal M, Sanjeev G, Vijay R, Ananda D, Manjunath HM, Kumari SN, Sharmila KP. 18th -20th February **2016**. Evaluation of radio protective efficacy of methanolic extracts of *Tragia involucrata* L. against radiation induced genotoxicity in cultured human peripheral lymphocytes. International conference on new approaches in Biotechnology and Biosciences, RBSET Campus, Bichpuri, Agra, UP (Presenting author).
16. **Hulikere MM**, Joshi CG, and Raju NG. 11th -12th May **2016**. Bio Fabrication of Gold Nanoparticles Using *Cladosporium cladosporioides*- A Marine Endophytic Fungus. International conference on advances in science, engineering, technology and natural resources. Singapore (Presenting author).
17. **Hulikere MM**, Joshi CG, Raju NG. 7th -10th December **2015**. Biosynthesis of gold nanoparticles using marine endophytic fungi- *Penicillium citrinum*. International Conference on Nano materials and nanotechnology (NANO-2015), KSR Arts and Science College, Tamilnadu (Presenting author).
18. **Joshi CG** and Nandini. 07-09th March **2014**. Antioxidant and cytotoxic activity of leaf extracts of *Maesa indica* (A traditional medicine). 1<sup>st</sup> International congress of the society of for Ethno pharmacology on globalizing traditional medicine: present and future. Sri Ramachandra University, Chennai, Tamil Nadu (Presenting author).
19. **Joshi CG** and Nandini. 25-27th October **2013**. International conference on Radiation biology and clinical applications. Nitte University, Mangalore (Presenting author).
20. **Joshi CG** and Gopal, M. 21-22nd January **2012**. Genotoxic effect of ethyl acetate extract of *T. involucrata* on germinal cells of male mice. International conference on Cancer Prevention, Diagnosis and Treatment. University of Rajasthan, Jaipur, Rajasthan (Presenting author).
21. Shetty S, Kalluraya B, Nithinchandra and **Joshi CG**. 8-10th March **2012**. Synthesis, Characterization and pharmacological studies of some novel thiazole derivatives possessing nitrofuranyl moiety. International conference on biologically active molecules. Gandhigram Rural Institute-Deemed University, Gandhigram, Tamilnadu (Coauthor).
22. **Joshi CG** and Gopal, M. 25-27th November **2010**. Antioxidant and cytotoxic activity of *Breyenia vitis -idea* International Conference on Folk and Herbal medicine. Mohanlal Sukhadia University, Udaipur, Rajasthan (Presenting author).
23. **Joshi CG** and Gopal M. 8-9th January **2009**. Antitumor and antioxidant activity of *Tragia involucrata* extracts. Satellite Conference on Current Trends in Free Radical Research and Herbal Antioxidants, Society for Free Radical Research –India, Amala Cancer Research Centre, Kerala (Presenting author).

## National

1. Ananda D, **Joshi CG**, Shankar J and Balaji K.S. 27<sup>th</sup> January 2017. *In vivo* anti-angiogenic potential of endophytic fungus *Penicillium citrinum*CGJ-C2 (KP739821) isolated from ethno medicinal plant- *Tragia involucrata*. National conference on Natural Bioactive compounds and potential effects on health. St.Aloysius College, Mangalore (Corresponding author).
2. Manjunath Hulikere M, **Joshi CG**. October 6<sup>th</sup> -7<sup>th</sup>, 2017. Antimicrobial and Antioxidant Activity of Endophytic Fungus isolated from Seaweed. National conference on Trends in Bioactive Natural products and Health Care, Department of Biochemistry, Mangalore University, Chikka Aluvara, Kodagu (Corresponding author).
3. Anand D, **Joshi CG**, Gopal M, Rohit HG, Nivya MT, Manjunath HM.10-11<sup>th</sup> July **2015**.Cytotoxic and antioxidant activity of ethyl acetate extract of endophytic fungi isolated from *Tragia involucrata*. National conference on "Role of Biopharmaceuticals in achieving health by 2020".Dr.NGP Arts and Science College, Coimbatore, Tamilnadu (Corresponding author).
4. Jagadeesha P, **Joshi CG**, Jagdeesh Kumar, Nagendara G.Rao.10-11<sup>th</sup> July **2015**.Phylogenetic and evolutionary study of hypoxia inducible factor 1A(HIF-1 $\alpha$ )to understand its evolution , animal diversity adaptation and its inference in cancer. National conference on "Role of Biopharmaceuticals in achieving health by 2020".Dr.NGP Arts and Science College, Coimbatore, Tamilnadu (Corresponding author).
5. Manjunath HM, **Joshi CG**, Anand D, Nivya MT.10-11<sup>th</sup> July **2015**.Invitro antioxidant activity and total phenolic content of endophytic fungi isolated from marine seaweeds. National conference on "Role of Biopharmaceuticals in achieving health by 2020".Dr.NGP Arts and Science College, Coimbatore, Tamilnadu (Corresponding author).
6. Sunil Kumar R,Shylaja M Dharmesh, **Joshi CG**, Ramesh BN.10-11<sup>th</sup> July **2015**.Gastroprotective effects of health products from bael fruits(*Aegle marmelos*) in rats. National conference on "Role of Biopharmaceuticals in achieving health by 2020".Dr.NGP Arts and Science College, Coimbatore, Tamilnadu (Corresponding author).
7. Suresh Babu TV, Ananda D, **Joshi CG** and Shantaram M.10-11<sup>th</sup> July **2015**.A phytochemical profiling of betel leaf wine and biosynthesis of gold nanoparticles from fermented and non-fermented betel leaf. National conference on "Role of Biopharmaceuticals in achieving health by 2020".Dr.NGP Arts and Science College, Coimbatore, Tamilnadu (Coauthor).
8. Nivya MT, **Joshi CG**, Rajashekhar K Patil, Gopal M, Somashekrapa HM, Ananda D, Manjunath HM, Suchetha Kumari N.31<sup>st</sup> July-1<sup>st</sup> August **2015**. Radioprotective Properties of Methanolic Extracts of *Tragia involucrata* on Cultured Human Lymphocytes Exposed to Electron Beam Radiation. National Conference on Drug discovery from Bio-organic Chemicals and Indigenous systems of medicines for the Betterment of Public Health (DDBI. Sharada Vilas College of Pharmacy, Mysore (Corresponding author).

9. **Joshi CG.** 28<sup>th</sup> February to 1<sup>st</sup> March **2014**. Role of microbial secondary metabolites in angiogenesis. National conference on Microbes in present scenario, Mangalore Univesrity, Chikka Aluvara, Kodagu. (Presenting author).
10. Deeptha G.Rao, Deepika.M, Chandrashekar A, **Joshi CG.** 8-9<sup>th</sup> March **2012**. Genotyping for investigating human Y chromosomal variation among Tribal population in India. National seminar on Biomolecules and Biocatalysts in Bioprocess. St.Aloysius Collegee, Mangalore (Corresponding author).
11. Mujeeb C.A and **Joshi CG.** 8-9<sup>th</sup> March **2012**. Cytotoxic, genotoxic and other medicinal properties of *Osbacia wayanadensis*. National seminar on Biomolecules and Biocatalysts in Bioprocess. St.Aloysius Collegee, Mangalore (Corresponding author).
12. **Joshi CG** and Gopal, M. 10-11<sup>th</sup> March **2011**. Antioxidant activity and cytotoxic properties of methanol extracts of *Anisomeles malabarica*. National conference on Applications of regenerative medicine in modern health care-Current perspective and future. Karpaga Vinayaga College of Engineering and Technology, Madhuranthakam, Tamilnadu (Presenting author).

## Regional

13. **Joshi CG** and Gopal, M. 15-17<sup>th</sup> September **2010**. Radioprotective properties of medicinal plants. 6<sup>th</sup> Kannada vijnana sammelana, Swadeshi Kannada Vijnana Andolana- Karnataka, Bangalore (Presenting author).

## Invited / plenary talks delivered

1. Green nanoparticles- New tools to control communicable and non-communicable diseases. 42<sup>nd</sup> annual summit of IABMS and **International conference** on Recent trends and advances in biomedical sciences- An integral approach. Nitte (Deemed to be University), Mangaluru, 25<sup>th</sup> -27<sup>th</sup> November **2021**.
2. Endophytes of traditional medicine-New source of novel medicine. 39<sup>th</sup> annual summit of IABMS and **International conference** on Current concepts on the role of Indian medicine and phytoceuticals in maintenance of health. Mangalore University, Chikka Aluvara, 15<sup>th</sup> -17<sup>th</sup> November **2018**.
3. Basics of Cell Culture. **Dr.Sarada Subramaniam Memorial Workshop** on Basic techniques in Cell Culture, Mangalore University, Chikka Aluvara, 15<sup>th</sup> -17<sup>th</sup> November **2018**.
4. Targeting redox potential of cancer tissue- Study on TP53 inducible glycolysis and apoptosis regulator. **International conference on radiation biology**. KS Hegde, Medical Academy, Nitte University, Mangalore, 4<sup>th</sup> -6<sup>th</sup> October **2018**.
5. Educational communications and Life skills. One day teachers training program, DIET, Kudige, Kodgu **2018**.

6. Anti-angiogenic dietary potential against cancer. **One day seminar on** "Nutraceuticals and its impact on today's generation". St. Aloysius College, Mangalore. 21<sup>st</sup> September **2016**.
7. Angiogenic and anti-angiogenic proteins: Difference between life and death. **Alvas College, Moodabidre**, South Canara. 22<sup>nd</sup> September **2016**.
8. Chemistry in day to day life. FMKMC College, Madikeri, 31st March, **2016**.
9. Moderation of Tumor microenvironment by small functional natural products. **National conference** on "Role of Biopharmaceuticals in achieving health by 2020". Dr. NGP Arts and Science College, Coimbatore, **Tamilnadu**, 10<sup>th</sup> and 11<sup>th</sup> July, **2015**.
10. Tumor microenvironment –A viable target for cancer therapy. **Workshop on Molecular Herald in Biotechnology** held on 25<sup>th</sup> February **2015** at P.G. Department of Biotechnology, **SDM College**, Ujire, DK.
11. Applications of Cell Culture. **Dr. Sarada Subramaniam Memorial Workshop** on Basic Techniques in Cell Culture, Nitte University, Mangalore, 1-3<sup>rd</sup> November **2012**.
12. Scientific Validation of anticancer activity of agmavarta. **Intrenational symposium** on recent trends and advances in biomedical research –An Integrated approach. Nitte University, Mangalore, 1-3<sup>rd</sup> November **2012**.
13. Applications of Biofuels. Govt P.U. College, Madenadu, Madikeri, 10th August, **2012**.
14. Challenges and Opportunities in Biology and Chemistry. **National conference** on opportunities and challenges in Physics and Biology, FMKMC College, Madikeri, **17<sup>th</sup> December 2011**.
15. Applications of Biochemistry. 3day **State level conference** in connection with National Science day celebration, FMKMC College, Madikeri, 26-28<sup>th</sup> February, **2011**.

### **Conferences / Seminars / Workshops / Symposia organized (if applicable)**



1. Co-convenor-**28<sup>th</sup>- 29<sup>th</sup> October 2021**. "Two days national webinar on Covid-19 pandemic and its management strategies". Mangalore University, Chikka Aluvara, Kodagu.
2. Co-organizing secretary-15<sup>th</sup> -17<sup>th</sup> **November 2018**. "39<sup>th</sup> annual summit of IABMS and **International conference** on Current concepts on the role of Indian medicine and phytoceuticals in maintenance of health". Mangalore University, Chikka Aluvara, Kodagu.
3. Co-organizing secretary - 6<sup>th</sup> -7<sup>th</sup> October, **2017**. "National conference on Trends in Bioactive Natural products and Health Care", Department of Biochemistry, Mangalore University, Chikka Aluvara, Kodagu.
4. Co-convener- November 17-20<sup>th</sup>, **2014**. "4<sup>th</sup> National conference of Society of Biological Scientists of India", Yenepoya University, Mangalore.

5. Convener-April 11-12<sup>th</sup> 2008. "Indian academy of Sciences outreach seminar workshop on Molecular Biology", Department of Biochemistry, Mangalore University, Kodagu.

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## Membership in Professional Bodies

1. Associate member, American Association of Cancer Research (AACR Member ID# 444935).
2. Life member, and **Convener**, SBC (I), Madikeri Branch (Life Membership No.1560/2004).
3. Life member, Indian Association of Biomedical Scientists (Life Membership No.1041/2012).
4. Life member, Indian Science Congress Association (Membership No.L27897).
5. Life member, Swadeshi Kannada Vijnana Andolana(SVAK-0530/LM-KOD).
6. Life member, Kannada Sahithya Parishath. Bangalore (Membership No.111668).

Any other Information: Nil