



Dr. Mohan C D PhD, MRSB, MNASc

CURRICULUM VITAE

Personal Information

Name : **Mohan C D**
Official Address : Assistant Professor, Department of Studies in Molecular Biology,
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Academic Profile

Degree	Year	College/University	Subject
B.Sc.	2008	Yuvaraja's College, University of Mysore	Biochemistry, Zoology, Food Science & Nutrition
M.Sc.	2010	JSS College of Arts, Commerce and Science, University of Mysore	Biochemistry
Ph.D.	2015	University of Mysore	Biochemistry

Academic Profile

- **Qualified CSIR-National Eligibility Test** in Life Sciences conducted by Joint CSIR-UGC with the All India Ranking of 54.
- **Qualified Karnataka State Eligibility Test** in Life Sciences conducted by the University of Mysore.
- **Qualified Graduate Aptitude Test in Engineering** in Life Sciences conducted by Indian Institute of Technology, Kharagpur.

Awards and Recognitions

- **Selected as Member of the National Academy of Sciences**, Allahabad, India (2022).
- **Selected as Member of the Royal Society of Biology**, London, United Kingdom (2022).
- **Listed among the top 2% of World Scientists for the year 2021 published by Elsevier BV in a report entitled** *September 2022 data-update for "Updated science-wide author databases of standardized citation indicators"* authored by John P.A. Ioannidis; DOI: 10.17632/btchxktzyw.4
- **Listed among the top 2% of World Scientists for the year 2020 published by Elsevier BV in a report entitled** *August 2021 data-update for "Updated science-wide author databases of standardized citation indicators"* authored by Jeroen Baas, Kevin Boyack, John P.A. Ioannidis; DOI: 10.17632/btchxktzyw.3

- **Biochimie Article of the Year Award** conferred by the French Society for Biochemistry and Molecular Biology (SFBBM) and Elsevier B.V., (the joint owners of the journal Biochimie) for being the first author of an article published in Biochimie. The prize amount of €1000 was given to me for being the first author (2021) and invited to be a speaker at the annual congress of SFBBM which was held at the University of Paris, France on 4th-5th July 2022. As a token of honor, expenses for my air travel and accommodation in Paris was taken care of by the French Society of Biochemistry and Molecular Biology, France.
- **NASI-Young Scientist Platinum Jubilee Award** conferred by The National Academy of Sciences, India (2019).
- **Prof. Umakant Sinha Memorial Award** conferred by The Indian Science Congress Association, Kolkata (2019).
- **PHSS Young Scientist Award** conferred by The Prof. H. S. Srivastava Foundation, Lucknow (2020-21)
- **INSPIRE fellow** by Department of Science & Technology, Ministry of Science & Technology, Government of India, India (2012).
- **Roll of Honor** by JSS College, Ooty Road, Mysuru for securing the highest marks in M.Sc (2011).
- **Best Oral Presentation award** in the two days National conference on “Driving stem cell research towards therapy – a vision of the future” organized by Pooja Bhagavat memorial Mahajana PG centre, Mysuru.
- **Best Poster Presentation award** at the International Conference on Drug Design organized by Schrodinger at Jawaharlal Nehru University, New Delhi.

Research Projects

Title of the project	Position	Tenure	Funding Agency	Amount Sanctioned
Development of Drug-seeds that target TFF3 in mammary, gastric, and hepatocellular carcinoma	Co-PI	2019-2022	Department of Biotechnology, Govt. of India	Rs.95,80,240/-

Visits Abroad

- Visiting Researcher under the JSPS Core-to-Core project, Asia-Africa Science Platforms, Faculty of Advanced Life Science, Hokkaido University, Japan.
- Visiting Researcher under the DST-INSPIRE fellowship Yong Loo Lin School of Medicine, Department of Pharmacology, National University of Singapore, Singapore.
- Award lecture at the annual congress of SFBBM, University of Paris, Paris, France

Research Credentials (As on April 2023)

	Google Scholar	Scopus	Web of Science
No. of publications	85	79	64
Total citations	2571	2196	1989
H-index	33	30	30

Editorial in Journals

- **Associate Editor:** BMC Complementary Medicine and Therapies
- **Academic Editor:** PLoS One

Journal Reviewer

- Seminars in Cancer Biology; Scientific Reports; PLoS One; Frontiers in Oncology; Frontiers in Pharmacology; RSC Molecular Omics; Oncology Reports; Molecular Medicine Reports; Experimental and Therapeutic Medicine; Bioorganic Chemistry; BMC Complementary Medicine and Therapies; Journal of Oncology; Bioorganic & Medicinal Chemistry Letters; Biotechnology Reports; Bioscience Reports; Advances in Traditional Medicine; RSC Food & Function; Science of the Total Environment; Pharmacological Research; Biotechnology Advances; Cancer and Metastasis Reviews

Patents (05): Two patents are commercialized

1. Rangappa KS, Basappa, Mohan CD, Shobith R, Bharathkumar H, Sethi G, Bender A, Lobie PE, Hui KM, Kumar AP, Pandey VK, Fuchs J, Shanmugam MK, Bulusu K, Dai X, Li F, Deivasigamani A; **“Compounds as a modulator of JAK-STAT pathway, methods, and applications thereof”**.
 - a. US Patent - Pub. No. US 9,604,974 B2 dated 28-03-2017.
 - b. Indian Patent, 324/CHE/2015 dated 22-01-2015.
2. Rangappa KS, Basappa, Mohan CD, Shobith R, Srinivasa V, Pandey V, Lobie PE; **“Small molecule inhibitors of Bcl-2- associated death promoter (BAD) phosphorylation”**. (*Commercialized*)
 - a. US Patent - Pub. No. US 11,292,773 B2 dated 05-04-2022.
 - b. UK Patent-1607230.8 dated 26-04-2016.
 - c. Indian Patent, 2328/CHE/2015 dated 07-05-2015.
3. Lobie PE, Pandey VK, Rangappa KS, Basappa, Mohan CD, Shobith R; **“Compounds Useful in Inhibiting Human Trefoil Factor 3”**. US Patent - US 11,141,402 B2 dated 12-10-2021. (*Commercialized*)
4. Rangappa KS, Basappa, Mohan CD, Shobith R, Keerthy HK, Sethi G, Bender A, Girish KS, Fuchs J, Sundaram MS, Li F, Siveen KS; **“Compounds as modulators of tumor necrosis factor, methods and applications thereof”**, Indian Patent, 4345/CHE/2015 (Patent number: 372383)
5. Rangappa KS, Lobie PE, Basappa, Mohan CD, Shobith R, Pandey VK, Anusha S, Baburajeev CP; **“Adamantyl tethered thiazolyl-Pyrazolines, methods, and applications thereof”**, Indian Patent Application No. 201641024910 A, Publication dated 26-01-2018.

Publications (72)

Cumulative impact factor: 409.7

Average IF: 5.69

1. Ang HL[#], **Mohan CD[#]**, Shanmugam MK[#], Leong HC, Makvandi P, Rangappa KS, Bishyae A, Kumar AP, Sethi G; Mechanism of epithelial-mesenchymal transition in cancer and its regulation by natural compounds; *Medicinal Research Reviews*, 2023, Accepted ([#Equal first author](#)) (**Impact factor: 12.388**)
2. Ashrafizadeh M[#], **Mohan CD[#]**, Shobith R, Zarrabi A, Hushmandi K, Kumar AP, Sethi G, Rangappa KS; Non-Coding RNAs as Regulators of STAT3 Pathway in Gastrointestinal

- Cancers: Roles in Cancer Progression and Therapeutic Response; *Medicinal Research Reviews*, 2023, Accepted (#Equal first author) (Impact factor: 12.388)
3. Shant SQ[#], Mohan CD[#], Wen-Jing Goh RM[#], You M, Nayak SC, Chen L, Sethi G, Rangappa KS, Wang L; Hypoxia signaling in hepatocellular carcinoma: challenges and therapeutic opportunities; *Cancer and Metastasis Reviews*, 2023, Accepted. (#Equal first author) (Impact factor: 9.237)
 4. Hegde M, Girisa S, Naliyadhara N, Kumar A, Alqahtani MS, Abbas M, Mohan CD, Warriar S, Hui KM, Rangappa KS, Sethi G, Kunnumakkara AB; Natural compounds targeting nuclear receptors for effective cancer therapy; *Cancer and Metastasis Reviews*, 2023, Accepted. (Impact factor: 9.237)
 5. Kumar S, Mathew SO, Aharwal RP, Tulli HS, Mohan CD, Sethi G, Ahn KS, Webber K, Sandhu SS, Bishayee A; Withaferin A: A Pleiotropic Anticancer Agent from the Indian Medicinal Plant *Withania somnifera* (L.) Dunal; *Pharmaceuticals*, 2023, Accepted. (Impact factor: 5.215)
 6. Jadimurthy R, Jagadish S, Nayak SC, Sumana K, Mohan CD*, Kanchugarakoppal S. Rangappa*; Phytochemicals as invaluable sources of potent antimicrobial agents to combat antibiotic resistance; *MDPI Life*, 2023, Accepted. (*Corresponding author) (Impact factor: 3.253)
 7. Jung YY[#], Mohan CD[#], Shobith R, Um JY, Chinnathambi A, Alharbi SA, Rangappa KS, Ahn KS; Brucein D imparts a growth inhibitory effect in multiple myeloma cells by abrogating the Akt-driven signaling pathway; *IUBMB Life*, 2023, 75, 149-160 (#Equal first author) (Impact factor: 4.709)
 8. Mohan CD*, Shobith R, Preetham HD, Nayak SC, Gupta VK, Basappa, Sethi G*, Rangappa KS*; Targeting STAT3 signaling pathway in cancer by agents derived from Mother Nature; *Seminars in Cancer Biology*, 2022, 80, 157-182 (*First & Corresponding author) (Impact factor: 17.01)
 9. Mohan CD, Shobith R, Nayak SC, Jadimurthy R, Wang L, Sethi G, Garg M, Rangappa KS; Bacteria as a treasure house of secondary metabolites with anticancer potential; *Seminars in Cancer Biology*, 2022, 86, 998-1013 (Impact factor: 17.01)
 10. Hashemi M[#], Hajimazdarany S[#], Mohan CD[#], Mohammadi M, Rezaei S, Olyaei Y, Goldoost Y, Ghorbani A, Reza S, Mirmazloomi, Gholinia N, Kakavand A, Salimimoghadam S, Ertas YN, Rangappa KS, Taheriazam A, Entezari M; Long non-coding RNA/epithelial-mesenchymal transition axis in human cancers: Tumorigenesis, chemoresistance, and radioresistance; *Pharmacological Research*, 2022, 186, 106535 (#Equal first author) (Impact factor: 10.334)
 11. Pandya G, Kirtonia A, Singh A, Goel A, Mohan CD, Rangappa KS, Pandey AK, Kapoor S, Tandon S, Sethi G, Garg M; A comprehensive review of the multifaceted role of the microbiota in human pancreatic carcinoma; *Seminars in Cancer Biology*, 2022, 86, 682-692. (Impact factor: 17.01)
 12. Yang MH[#], Mohan CD[#], Deivasigamani A, Chinnathambi A, Alharbi SA, Rangappa KS, Jung SH, Ko H, Hui KM, Sethi G, Ahn KS; Procaine Abrogates the Epithelial-Mesenchymal

- Transition Process through Modulating c-Met Phosphorylation in Hepatocellular Carcinoma; *Cancers*, 2022, 14, 4978 (#Equal first author) (Impact factor: 6.575)
13. Jung YY[#], **Mohan CD[#]**, Eng H, Narula AS, Namjoshi OA, Blough BE, Rangappa KS, Sethi G, Kumar AP, Ahn KS; 2,3,5,6-Tetramethylpyrazine targets epithelial-mesenchymal transition by abrogating manganese superoxide dismutase expression and TGF β -driven signaling cascades in colon cancer cells; *Biomolecules*, 2022, 12, 891 (#Equal first author) (Impact factor: 6.064)
 14. Zhang J[#], Jung YY[#], **Mohan CD[#]**, Deivasigamani A, Chinnathambi A, Alharbi SA, Rangappa KS, Hui KM, Sethi G, Ahn KS; Nimbolide enhances the antitumor effect of docetaxel via abrogation of the NF- κ B signaling pathway in prostate cancer preclinical models; *BBA Molecular Cell Research*, 2022, 1869, 119344 (#Equal first author). (Impact factor: 5.011)
 15. Kim NY[#], **Mohan CD[#]**, Chinnathambi A, Alharbi SA, Sethi G, Rangappa KS, Ahn KS; Euphorbiasteroid Abrogates EGFR and Wnt/ β -Catenin Signaling in Non-Small-Cell Lung Cancer Cells to Impart Anticancer Activity; *Molecules*, 2022, 27, 3824 (#Equal first author) (Impact factor: 4.927)
 16. Ramchandani S[#], **Mohan CD[#]**, Mistry JR, Su Q, Naz I, Rangappa KS, Ahn KS; The multifaceted antineoplastic role of pyrimethamine against different human malignancies; *IUBMB Life*, 2022, 74, 198-212 (#Equal first author) (Impact factor: 4.709)
 17. **Mohan CD[#]**, Yang MH[#], Shobith R, Chinnathambi A, Alharbi SA, Alahmadi TA, Deivasigamani A, Hui KM, Sethi G, Rangappa KS, Ahn KS; 3-Formylchromone counteracts STAT3 signaling pathway by elevating the activity of SHP-2 in hepatocellular carcinoma; *Biology*, 2022, 11, 29 (#Equal first author) (Impact factor: 5.168)
 18. Sina ZW[#], **Mohan CD[#]**, Chinnathambi A, Govindasamy C, Shobith R, Rangappa KS, Jung YY, Ahn KS; Leelamine imparts antineoplastic effects by modulating MAPK signaling pathway in hepatocellular carcinoma and breast cancer cells; *Nutrition and Cancer*, 2022, 74, 3375-3387. (#Equal first author) (Impact factor: 2.816)
 19. **Mohan CD**, Shobith R, Nayak SC, Sethi G, Rangappa KS; Paradoxical functions of long noncoding RNAs in modulating STAT3 signaling pathway in hepatocellular carcinoma; *BBA Reviews on Cancer*, 2021, 1876, 188574. (Impact factor: 11.414)
 20. Arora L[#], **Mohan CD[#]**, Yang MH[#], Shobith R, Deivasigamani A, Kumar AP, Kunnumakkara AB, Garg M, Chinnathambi A, Alharbi SA, Alahmadi TA, Rangappa KS, Hui KM, Sethi G, Ahn KS; Tris(dibenzylideneacetone)dipalladium(0) (Tris DBA) abrogates tumor progression in hepatocellular carcinoma and multiple myeloma preclinical models by regulating the STAT3 signaling pathway; *Cancers*, 2021, 13, 5479. (#Equal first author). (Impact factor: 6.575)
 21. **Mohan CD**, Kim C, Siveen KS, Manu KA, Shobith R, Chinnathambi A, Alharbi SA, Rangappa KS, Kumar AP, Ahn KS; Crocetin imparts antiproliferative activity *via* inhibiting STAT3 signaling in hepatocellular carcinoma; *IUBMB Life*, 2021, 73, 1348-1362. (Impact factor: 4.709)

22. Barash U, Shobith R, **Mohan CD**, Divakar V, Boyang I, Vlodavsky I, Basappa, Rangappa KS; New heparanase-inhibiting triazolo-thiadiazoles attenuate primary tumor growth and metastasis; *Cancers*, 2021, 13, 2959. **(Impact factor: 6.575)**
23. **Mohan CD**[#], Liew YY[#], Jung YY[#], Shobith R, Preetham HD, Chinnathambi A, Alahmadi TA, Alharbi SA, Lin ZX, Rangappa KS, Ahn KS; Brucein D modulates MAPK signaling cascade to exert multi-faceted anti-neoplastic actions against breast cancer cells; *Biochimie*, 2021, 182, 140-151 ([#Equal first author](#)). **(Impact factor: 4.372)**
24. Sajith AM, Narasimhamurthy KH, Shanmugam MK, Shobith R, Nayak SC, Chinnathambi A, Alahmadi TA, Alharbi SA, Haridas KR, Reddy ER, Savitha B, **Mohan CD**^{*}, Rangappa KS^{*}; Pyrimidine-2,4-dione targets STAT3 signaling pathway to induce cytotoxicity in hepatocellular carcinoma cells; *Bioorganic & Medicinal Chemistry Letters*, 2021, 50, 128332 ([*Corresponding authors](#)) **(Impact factor: 2.94)**
25. Sujesh S, Kumar SM, Anil Kumar BM, Sushmitha S, Darshan K, **Mohan CD**, Rangappa KS, Gupta VK, Nayaka SC; Green synthesis of silver nanoparticles by *Cytobacillus firmus* isolated from the stem bark of *Terminalia arjuna* and its anti-microbial activity; *Biomolecules*, 2021, 11, 259. **(Impact factor: 6.064)**
26. Siddaiah CN, Anil Kumar BM, Deepak SA, Lateef SS, Nagpal S, Rangappa KS, **Mohan CD**, Shobith R, Madan Kumar S, Sharma M, Gupta VK; Metabolite Profiling of Alangium salviifolium bark using advanced LCMS and GC/QTOF technology; *Cells*, 2021, 10, 1. **(Impact factor: 7.666)**
27. Lee JH[#], **Mohan CD**[#], Deivasigamani A, Shobith R, Basappa, Chinnathambi A, Alahmadi TA, Alharbi SA, Garg M, Lin ZX, Rangappa KS, Sethi G, Hui KM, Ahn KS; Brusatol suppresses STAT3-driven metastasis by downregulating epithelial-mesenchymal transition in hepatocellular carcinoma; *Journal of Advanced Research*, 2020, 26, 83-94 ([#Equal first author](#)). **(Impact factor: 12.822)**
28. Lee JH[#], **Mohan CD**[#], Shanmugam MK, Shobith R, Sethi G, Siveen KS, Chinnathambi A, Alahmadi TA, Alharbi SA, Basappa, Rangappa KS, Ahn KS; Vitexin abrogates invasion and survival of hepatocellular carcinoma cells through targeting STAT3 signaling pathway; *Biochimie*, 2020, 175, 58-68 ([#Equal first author](#)) **(Impact factor: 4.372)**
29. Malojirao VH, Swamy SG, Shanmugam MK, Sherapura A, Dukanya, Metri PK, Vigneshwaran V, Chinnathambi A, Alharbi SA, Shobith R, **Mohan CD**, Basappa, Prabhakar BT, Rangappa KS; Novel 1,3,4-oxadiazole targets STAT3 signaling to induce antitumor effect in lung cancer; *Biomedicines*, 2020, 8, 368 **(Impact factor: 4.757)**
30. Sumana KY, **Mohan CD**, Merlo AA, Shobith R, Nayak SC, Rai KM, Rangappa KS; Small Molecule Based Five-Membered Heterocycles: A View of Liquid Crystalline Properties Beyond the Biological Applications; *Journal of Molecular Liquids*, 2020, 297, 111686. **(Impact factor: 6.633)**
31. Swetha H, Swaroop TR, Preetham HD, **Mohan CD**, Umashakara M, Basappa, Vlodavsky I, Sethi G, Rangappa KS; Synthesis, cytotoxic and heparanase inhibition studies of 5-oxo-1-arylpyrrolidine-3-carboxamides of hydrazides and 4-amino-5-aryl-4H-1,2,4-triazole-3-thiol; *Current Organic Synthesis*, 2020, 17, 243-250. **(Impact factor: 2.276)**

32. **Mohan CD[#]**, Swetha H[#], Preetham HD, Shobith R, Barash U, Ilan N, Nayak SC, Gupta VK, Basappa, Vlodavsky I, Rangappa KS; Targeting Heparanase in Cancer: Inhibition by Synthetic, Chemically Modified and Natural Compounds; *iScience (Cell Press)*, 2019, 15, 360-390 ([#Equal first author](#)) (Impact factor: 6.107)
33. Lee JH[#], **Mohan CD[#]**, Basappa[#], Shobith R, Chinnathambi A, Alahmadi TA, Alharbi SA, Kumar AP, Sethi G, Ahn KS, Rangappa KS; The IκB Kinase Inhibitor ACHP Targets STAT3 Signaling Pathway in Human Non-Small Cell Lung Carcinoma Cells; *Biomolecules*, 2019, 9, 875 ([#Equal first author](#)) (Impact factor: 6.064)
34. Lee JH, Shobith R, **Mohan CD**, Basappa, Sethi G, Lin ZX, Rangappa KS, Ahn KS; Brusatol, a Nrf2 Inhibitor Targets STAT3 Signaling Cascade in Head and Neck Squamous Cell Carcinoma; *Biomolecules*, 2019, 9, 550. (Impact factor: 6.064)
35. Keerthy HK, Surender M, Basappa, Bharathkumar H, Shobith R, Svensson F, Bender A, **Mohan CD***, Rangappa KS*, Bhatnagar R*; Triazole-Pyridine Dicarbonitrile Targets Phosphodiesterase 4 to Induce Anticancer Activity in Lung Carcinoma Cells; *Chemistry & Biodiversity*, 2019, 16, e1900234 ([*Corresponding author](#)) (Impact factor: 2.745)
36. Baburajeev CP[#], **Mohan CD[#]**, Pandey V, Shobith R, Naveen S, Kalash L, Devaraja S, Bender A, Lobie PE, Rangappa KS; Synthesis of C-C, C-N Coupled Novel Substituted Dibutyl Benzothiazepinone Derivatives and Evaluation of Their Thrombin Inhibitory Activity; *Bioorganic Chemistry*, 2019, 87, 142-154 ([#Equal first author](#)). (Impact factor: 5.307)
37. Lakshmeesha TR, Naveen KK, Venkataramana M, **Mohan CD**, Shobith R, Prasad D, Ashwini S, Hashem A, Alqarawi AA, Malik JA, Abdallah EF, Gupta VK, Siddaiah CN, Niranjana SR; Biofabrication of Zinc oxide nanoparticles with *Syzygium aromaticum* flower buds extract and finding its novel application in controlling the growth and mycotoxins of *Fusarium graminearum*; *Frontiers in Microbiology*, 2019, 10, 1244 (Impact factor: 6.064)
38. Srinivas C, Devi N, Narasimha Murthy K, **Mohan CD**, Lakshmeesha TR, Singh BP, Naveen KK, Niranjana SR, Hashem A, Srivastava RK, Alqarawi A, Tabassum B, Elsayed AA, Nayak SC; *Fusarium oxysporum* f. sp. *lycopersici* causal agent of vascular wilt disease of tomato: Biology to diversity-A review; *Saudi Journal of Biological Sciences*, 2019, 26, 1315-1324. (Impact factor: 4.052)
39. Selvakumar G, Raja RB, Mudili V, **Mohan CD**, Kadirvelu K, Kannan Bapu JR, Alqarawi AA, Hashem A, Abdallah EF, Siddaiah CN; Single Nucleotide Polymorphisms (SNPs) in Starch Biosynthetic Genes Associated with Increased Resistant Starch Content in Rice Mutant; *Frontiers in Genetics*, 2019, 10:946 (Impact factor: 4.772)
40. Pandey V[#], Wang B[#], **Mohan CD[#]**, Raquib A, Shobith R, Srinivasa V, Fuchs J, Girish KS, Zhu T, Bender A, Ma L, Yin Z, Basappa, Rangappa KS, Lobie PE; Discovery of a small-molecule inhibitor of specific serine-residue BAD phosphorylation; *Proceedings of the National Academy of Sciences, USA*, 2018, 115, E10505-E10514 ([#Equal first author](#)). (Impact factor: 12.779)
41. **Mohan CD[#]**, Bharathkumar H[#], Dukanya, Shobith R, Shanmugam MK, Chinnathambi A, Alharbi SA, Alahmadi TA, Bhattacharjee A, Lobie PE, Deivasigamani A, Hui KM, Sethi

- G, Basappa, Rangappa KS, Kumar AP; N-Substituted Pyrido-1,4-oxazin-3-ones Induce Apoptosis of Hepatocellular Carcinoma Cells by Targeting NF- κ B Signaling Pathway; *Frontiers in Pharmacology*, 2018, 9:1125 (#Equal first author). (Impact factor: 5.988)
42. **Mohan CD**, Anilkumar NC, Shobith R, Shanmugam MK, Mishra S, Chinnathambi A, Alharbi SA, Bhattacharya A, Sethi G, Kumar AP, Basappa, Rangappa KS; Novel 1, 3, 4-Oxadiazole Induces Anticancer Activity by Targeting NF- κ B in Hepatocellular Carcinoma Cells; *Frontiers in Oncology*, 2018, 8, 42. (Impact factor: 5.738)
43. Uzma F[#], **Mohan CD**[#], Hashem A, Konappa NM, Shobith R, Kamath PV, Singh BP, Mudili V, Gupta VK, Siddaiah CN, Chowdappa S, Alqarawi AA, Abdallah EF; Endophytic Fungi-Alternative Sources of Cytotoxic Compounds: A Review; *Frontiers in Pharmacology*, 2018, 9, 3.09 (#Equal first author). (Impact factor: 5.988)
44. Gilandoust M[#], Harsha KB[#], **Mohan CD**[#], Raquib AR, Shobith R, Pandey V, Lobie PE, Basappa, Rangappa KS; Synthesis, Characterization and Cytotoxicity Studies of 1, 2, 3-triazoles and 1, 2, 4-triazolo [1, 5-a] pyrimidines in Human Breast Cancer Cells; *Bioorganic & Medicinal Chemistry Letters*, 2018, 28, 2314-2319 (#Equal first author). (Impact factor: 2.94)
45. Lavanya SN, Udayashankar AC, Niranjana Raj S, **Mohan CD**, Gupta VK, Tarasatyavati C, Srivastava R, Nayak SC; Lipopolysaccharide-induced priming enhances NO-mediated activation of defense responses in pearl millet challenged with *Sclerospora graminicola*; *3 Biotech*, 2018, 8, 475. (Impact factor: 2.893)
46. Baburajeev CP[#], **Mohan CD**[#], Shobith R, Mason DJ, Fuchs JE, Bender A, Barash U, Vlodavsky I, Basappa, Rangappa KS; Identification of Novel Class of Triazolo-Thiadiazoles as Potent Inhibitors of Human Heparanase and their Anticancer Activity; *BMC Cancer*, 2017, 17:235 (#Equal first author) (Impact factor: 4.638)
47. Anusha S[#], Pandey V[#], **Mohan CD**[#], Chia YT, Shobith R, Mathai J, Baburajeev CP, Paricharak S, Mervin LH, Bulusu KC, Fuchs JE, Bender A, Yamada S, Basappa, Lobie PE, Rangappa KS; Novel Adamantanyl Based Thiadiazolyl-Pyrazoles Targeting EGFR in Triple Negative Breast Cancer; *ACS Omega*, 2016, 1, 1412-1424 (#Equal first author). (Impact factor: 4.132)
48. **Mohan CD**[#], Srinivasa V[#], Shobith R[#], Mervin L, Surender M, Paricharak S, Baday S, Li F, Shanmugam MK, Chinnathambi A, Zayed ME, Alharbi SA, Bender A, Sethi G, Basappa, Rangappa KS; Trisubstituted-Imidazoles Induce Apoptosis in Human Breast Cancer Cells by Targeting the Oncogenic PI3K/Akt/mTOR Signaling Pathway; *PLoS One*, 2016, 11, e0153155 (#Equal first author). (Impact factor: 3.752)
49. Anilkumar NC[#], **Mohan CD**[#], Shobith R,[#] Ananda H, Sukhorukov AY, Shanmugam MK, Sundaram MS, Nayaka SC, Girish KS, Chinnathambi A, Zayed ME, Alharbi SA, Sethi G, Basappa, Rangappa KS; Novel Synthetic Oxazines target NF- κ B in Colon Cancer in Vitro and Inflammatory Bowel Disease in Vivo; *PLoS One*, 2016, 11, e0163209 (#Equal first author). (Impact factor: 3.752)

50. Sulaiman NB[#], **Mohan CD**[#], Basappa[#], Vijay Pandey, Shobith R, Bharathkumar H, Kumar AP, Lobie PE, Rangappa KS; An Azaspirane Derivative Suppresses Growth and Induces Apoptosis of ER-Positive and ER-Negative Breast Cancer Cells through the Modulation of JAK2/STAT3 Signaling Pathway; *International Journal of Oncology*, 2016, 49, 1221-1229 ([#]Equal first author). **(Impact factor: 5.884)**
51. Subramanian G, Babu Rajeev CP, **Mohan CD**, Sinha A, Chu TT, Anusha S, Ximei H, Fuchs JE, Bender A, Rangappa KS, Chandramohanadas R, Basappa; Synthesis and *in vitro* evaluation of hydrazinyl phthalazines against malaria parasite, *Plasmodium falciparum*; *Bioorganic & Medicinal Chemistry Letters*, 2016, 26, 3300-3306. **(Impact factor: 2.94)**
52. Baburajeev CP, **Mohan CD**, Govindagouda SP, Shobith R, Pandey V, Anusha S, Fuchs JE, Bender A, Lobie PE, Basappa, Rangappa KS; Nano-cuprous oxide catalyzed one-pot synthesis of carbazole-based STAT3 inhibitor: A facile approach via intramolecular C-N bond formation reactions; *RSC Advances*, 2016, 6, 36775. **(Impact factor: 4.036)**
53. Nandeesh KN, Swarup HA, Sandhya NC, **Mohan CD**, Pavan Kumar CS, Kumara MN, Mantelingu K, Ananda S, Rangappa KS; Synthesis and Antiproliferative efficiency of novel bis(imidazol-1-yl)vinyl-1,2,4-oxadiazoles; *New Journal of Chemistry*, 2016, 40, 2823-2828. **(Impact factor: 3.925)**
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Book Chapters

Sl. No.	Title of the Chapter	Authors	Book Title	Publishers
1	Endophytic fungi: Promising source of novel bioactive compounds	Uzma F, Mohan CD, Chandra Nayak S, Srinivas C	Advances in Endophytic Fungal Research	Springer ISBN 978-3-030-03589-1
2	Microbial enzymes: Applications and relevance	Nagaraju S, Vinod G, Mudili V, Mohan CD, Shobith R,	Microbial Catalysts	Nova Science Publishers, Inc.

	in industries, medicines and beyond (Chapter 2)	Lakshmeesha TR, Nayaka SC		ISBN: 978-1-53616-088-8
3	Pectinase: An important microbial biocatalyst and its industrial applications (Chapter 5)	Uzma F, Lakshmeesha TR, Mudili V, Mohan CD, Shobith R, Girish KS, Nayaka SC, Srinivas C	Microbial Catalysts	Nova Science Publishers, Inc. ISBN: 978-1-53616-088-8
4	Modulation of epigenetic methylation enzymes by synthetic and natural agents (Chapter 20)	Shanmugam MK [#] , Mohan CD [#] , Rangappa KS, Kumar AP, Sethi G (#Equal first authors)	Transcription and Translation in Health and Disease	Academic Press, Elsevier ISBN 978-0-323-99521-4
5	Anticancer Functions of Pyridine Heterocycles	Narasimhamurthy KH, Kallesha N, Mohan CD, Rangappa KS	Cytotoxicity	IntechOpen publishers DOI: 10.5772/intechopen.106156

Invited talks/Resource person

1. Personal interview for the Vignana Bharathi program organized by All India Radio (Mysore Akashavani, FM: 100.6) on October 25th 2022.
2. Invited talk: Two-days national conference on “Impact of Chemistry and Biology to the Society and Industry” organized by Department of Chemistry, Kuvempu University, Shankaraghatta, Shimoga on May 20th, 2022.
3. Invited talk: In a one-day national symposium on “Toxins and Biomolecules” organized by Department of Studies in Biochemistry, University of Mysore, Manasagangotri, Mysore on May 6th, 2022.
4. Resource person: Webinar organised by the Indian Academy Degree College, Bangalore on 4th February 2022.
5. Resource person: Webinar organised by MedPiper Technologies on 6th August 2021
6. Expert interview on “opportunities in the field of Molecular Biology & Biochemistry” in the program organized and broadcasted by All India Radio (Mysore Akashavani, FM: 100.6) on September 28th 2020.
7. Resource person: Refresher course in Life Sciences organized by Academic Staff College in association with the Department of Microbiology and Biotechnology, Bangalore University on the theme is "living organisms and their world - Human perspective" on 27th January 2020.

8. Invited talk: In a one-day international symposium on “Recent Trends in Research Across the World” organized by Adichunchanagiri University, BG Nagar, Mandya on December 6th, 2019.
9. Invited talk: In a seven days national workshop on “Scientific Equipment: Application and Data Analysis in Advanced Research” on September 22nd, 2019.
10. Invited talk: Two days national seminar on “Innovative Approaches in Biological Science Research” organized by Department of Biochemistry, Kuvempu University, Shankaraghatta, Shimoga on March 23rd, 2019.
11. Invited talk: School of Sciences, Jain University, JC Road, Bangalore on the occasion of National Science Day on February 28th, 2019.
12. Invited talk: National Conference on “Future India: Science & Technology” organized by Indian Science Congress Association at Oxford Science College, Bangalore on October 10th, 2018.
13. Invited talk: Department of Molecular Biology, Yuvaraja’s College, Mysore on September 27th, 2018
14. Invited talk: International conference on “Multidisciplinary Approach of Science: Nanotechnology - A Boon for Mankind”, Garden City University, Bangalore on September 18th, 2018.
15. Invited talk: 105th Indian Science Congress, Manipur University, Imphal March 18th, 2018.
16. Invited talk: Faculty of Advanced Life Science, Hokkaido University, Japan on November 13th, 2014, under JSPS Core-to-Core Program.

Membership

- Life Member of **The Indian Science Congress Association.**
- Life Member of **Society of Biological Chemists, India.**
- Life Member of the **Indian Association for Cancer Research.**
- Life Member of **The Biotech Research Society, India.**
- Life Member of **Association of Food Scientists & Technologists (India).**