



CURRICULUM VITAE

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Position Assistant Professor
Department of Studies in Organic Chemistry,
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EDUCATION

1. **Ph. D.** (Chemistry); University of Mysore, Mysore, INDIA (Nov 1, 2002 to Aug 17, 2005); (Thesis title: **Synthesis and characterization of some biologically active heterocyclic compounds**).
2. **M. Sc.** (Organic Chemistry); University of Mysore, Mysore, INDIA (Aug 19, 1997 to July 30, 1999).
3. **B. Sc.** (Physics, Chemistry, Mathematics); University of Mysore, Mysore, INDIA (June 1, 1994 to July 26, 1997).

EMPLOYMENT

Period	Designation	Name of the Institute/ Organization
May 2007 to May 2017	Assistant Professor	Bangalore University
May 2017-present	Assistant Professor	University of Mysore
Dec 1999 to May 2002	Research Chemist	Jubilant Organosys Pvt. LTD

FELLOWSHIPS AWARDED

1. Meijo University Visiting Scholar, Meijo University-2015 6-weeks.
2. Dr DC Pavate Memorial Visiting Fellowship-2012, 4-months, University of Cambridge, India.
3. Post Doctoral Associate-Singapore-MIT Research and Technology (Feb 17, 2009 to Feb16, 2011 Place: **SMART, ID-IRG, Singapore**).
4. Japan Society for the Promotion of Science (**JSPS**) Fellowship (Nov 1, 2005 to November 29, 2008 Place: Hokkaido University, **JAPAN**) (Title: Mechanism of

tumor invasion involving sulfated glycans: Analysis using small molecules as probes) (JST-Post Doctoral Fellowship from Nov 1, **2005** to April 1, **2006**).

5. Council of Scientific and Industrial Research Centre-Senior Research Fellowship under **Medical Sciences** (July 01, **2004** to Oct 29, **2005** Place: Department of Studies in Chemistry, University of Mysore, **INDIA**).
6. University Grants Commission-Project Fellowship (June 1, **2002** to June 31, **2004** Place: Department of Studies in Chemistry, University of Mysore, **INDIA**).

AWARDS

1. Meijo University Research Fellow-2015
2. Sir CV Raman Young Scientist Award-2012.
3. Award for Research Publication-2012, VGST, GOK, INDIA.
4. Wrangler-DC Pavate Fellowship Award-2012.
5. Singapore-MIT Research and Technology- Post Doctoral Fellowship Award-2009
6. Most Cited Paper 2006-2009 Award (Bio-Organic and Medicinal Chemistry, Elsevier Ltd. **UK**)
7. Most Cited Paper 2003-2006 Award (Bio-Organic and Medicinal Chemistry, Elsevier Ltd. **UK**)
8. JSPS Fellowship-2006 (**JAPAN**).
9. Japan Science and Technology-Post Doctoral Fellowship-2005
10. UGC-Project Fellowship-2002 (Government of **India**)
11. CSIR-Senior Research Fellowship (Medical Sciences)-2004 (Government of India)
12. National Merit Scholarship 1992-1999 (Government of **India**)

PROJECTS HANDLED/ONGOING

Research Project	PI, CO-PI	Date of Commencement	Date of Completion	Funding Agency	Amount Sanctioned
Nanotechnology based synthesis, detection and analysis of glycosaminoglycans/carbohydrate polymers using small molecules as probes.	Co-PI	April 1, 2007	March 31, 2009	JSPS- INSA	5,000,000 JPY
Development of nanoparticle probes for the analysis of functions and structure of sulfated polysaccharides.	Co-PI	April 1, 2007	March 31, 2009	JSPS- BBSRC, UK	5,000,000 JPY
Synthesis, method development and the biological implications for glycol-conjugate based drug: A new perspective study towards the green Chemistry	Co-PI	2009	2011	DST- JSPS	20 lakhs
Identification of novel anticancer for chemopreventive agents by synthetic analogues of natural compounds and their molecular mechanism(s) study	Co-PI	2011	2014	Indo- Korea (DST- STRK)	22 lakhs.
Identification of new small	PI	2012	2014	VGST	04.0 lakhs

molecules against NF-kB: An interesting drug target					
Synthesis characterization, and Biological evaluation of sugar mimetic compounds as anti-invasive agents	PI	2012	2015	UGC	12.25 lakhs
Structure, Function and Biological Elucidation of Glycosaminoglycans and Glyco mimetics	PI	2012	2015	DST	30.0 lakhs
Targeting autophagy for brain cancer drug discovery	Co-PI	2014	2017	DST-SA	33.5
High-throughput method to explore novel inhibitors against cancer and infectious diseases	PI	2014	2017	DBT	48.8
Development of Inhibitors of Heparanase for Cancer Therapy	Co-PI	2016	2019	UGC-ISF	Apr. 1 crore rupees
Synthesis and biological studies of poly substituted 1,2-oxazines	PI	2017	2020	CSIR	33.0 lakhs
Synthesis of flavonoid based compounds	PI	2017	2018	USA-NIH	15000 USD

PROFESSIONAL ASSOCIATIONS

- Member of the Japanese Society of the Carbohydrate Research, **JAPAN**.
- Life Member of the JSPS Post Doctoral Fellows Aluminum, **JAPAN**.
- Member of the Pharmaceutical Society of Japan, **JAPAN**.
- Member of Indian Council of Chemists, **INDIA**.
- Life Indian Association for the cancer Research, **INDIA**.
- Life Member of Indian Science Congress, **INDIA**.

PATENTS (8)

1. Rangappa K. S, Basappa, Mohan C. D, Shobith R, Pandey V, Lobie P. E; compounds. NUS ILO filed on **Filed on: May 25, 2017**.
2. Rangappa K. S, Basappa, Mohan C. D, Shobith R, Anusha S, Pandey V, Lobie P. E; ADAMANTYL TETHERED THIAZOLYL-PYRAZOLINES, METHODS AND APPLICATIONS THEREOF. **Indian Complete Patent Application Filed on: July 20, 2016**.
3. Rangappa K. S, Basappa, Mohan C. D, Shobith R, Srinivasa V, Pandey V, Lobie P. E; Compounds as inhibitors of BAD phosphorylation, methods, and applications thereof. **UK Non-Provisional Application No. 1607230.8**; Title: Compounds; ILO Ref: 15044N-UK/PRV, 2328/CHE/2015 dated 07-05-2015.
4. Rangappa K. S, Basappa, Mohan C. D, Shobith R, Bharathkumar H, Sethi G, Bender A, Lobie P. E, Hui K. M, Kumar A. P, Pandey V. K, Fuchs J, Shanmugam M. K, Bulusu K,

Dai X, Li F, Deivasigamani A., Compounds as modulator of JAK-STAT pathway, methods and applications thereof. **US Patent. No. 9,604, 974 B2 Dated March 28, 2017.**

5. Rangappa KS, Basappa, Mohan CD, Keerthy HK, Rangappa S, Sivaraman Siveen K, Fuchs JE, Sundaram MS, Li F, Girish KS, Sethi G “Compounds as modulators of tumor necrosis factor, methods and applications thereof” **Complete Application filed in India on August 19, 2015.**
6. Rajesh Chandramohanadas, Basappa, Kingsley Liew, Ming Dao, Ram Sasisekharan Subra Suresh, Peter Preiser "Novel Heparan Sulfate Mimetic Small Molecules as Anti-malarials By Impairing Red Cell Entry of the Parasite" **US Provisional Patent Application No. 61/582,947;2010.**
7. Kundu, T. K., Radhika, V., Nanjunda Swamy, S., **Basappa.** & Rangappa, K. S “Derivatives of 4,6-disubstituted 1,2,4-triazolo-1,3,4-thiadiazole, a process and uses thereof” **European Patent-WO2007/034510-A1.**
8. Sughara. K, Rangappa K. S. and **Basappa**, “Shinki Teibunchi Kagoubutsn oyobi sonoseizouhow” (Oxazine, benzisoxazole and triazole derivatives as anti-tumor invasive agents). **Japan Patent, Tokugan 2006-081671/ 5019768 June 22nd 2012.**

RESEARCH GUIDANCE:

No.	Name	Title of the thesis	Status
1	H Bharathkumar	Synthesis and biological applications of benzoxazines, oxazines and some bio-active heterocycles	Ph.D Degree awarded-2016
2	Anusha Sebastian	Synthesis, characterization and biological studies of some novel cycloalkyl and heteroaryl containing compounds	Ph.D degree awarded-2016
3	Mrs. Keerthy HK	Synthesis of small molecules against novel drug targets: potential applications of bioactive compounds	Ph.D degree awarded-2017
4	Anil kumar CN	Synthesis and biological applications of imidazopyridine, oxadiazole and some other heterocyclic compounds	Ph.D degree awarded-2017
5	V. Srinivas	Synthesis and biological studies of oxazine, chromone, piperazine and other heterocycle-based novel small molecules	Ph.D degree awarded-2017
6	Baburajeev CP	Synthesis and biological evaluation of triazolo thiadiazoles, carbazoles, benzothiazepines and some other alicyclic, heterocyclic compounds	PhD Thesis under preparation

PUBLICATIONS (99)

2017

1. Bui N, Pandey V, Zhu T, Lan Ma, Basappa, Lobie PE "BAD PHOSPHORYLATION AS A TARGET OF INHIBITION IN ONCOLOGY" *Cancer Lett.* In press-2017 (ISSN-0304-3835; Impact factor-6.13).
2. Jagadish S, Hemshekhar M, NaveenKumar SK, Sharath Kumar KS, Sundaram MS, Basappa, Girish KS, Rangappa KS "Novel oxolane derivative DMTD mitigates high glucose-induced erythrocyte apoptosis by regulating oxidative stress" *Toxicol Appl Pharmacol*, 334, 167-179, 2017 (ISSN: 0041-008X; Impact Factor 0.73).
3. Chaithanya Somu, Mahesh Hegde, Kothanahally S. Sharath Kumar, Anand Hanumappa, Mrinal Srivastava, Kachigere B Harsha, Mohan C D, Kavya Ananthaswamy, Basappa, Sathees C Raghavan, Kanchugarakoppal S. Rangappa "Synthesis and Biological Evaluation of Novel Thiazol-2yl-amine Derivatives as Potential Anticancer Agents" *Letters in Organic Chemistry*, 2017, E-pub-Ahead of Print (DOI : 10.2174/1570178614666170907122026) (ISSN: 1875-6255; Impact Factor 0.73).
4. Sachin Ambeker, Chakrabhavi Dhananjaya Mohan, Arunkumar Shirahatti, Mahesh Kumar K, Shobith Rangappa, Surender Mohan, **Basappa***, Obelannavar Kotresh*, Kanchugarakoppal S. Rangappa* "Synthesis of coumarin-benzotriazole hybrids and evaluation of their anti-tubercular activity" *Letters in Organic Chemistry*, 2017, E-pub-Ahead of Print (DOI : 10.2174/1570178614666170710125501) (ISSN:1875-6255; Impact Factor 0.73; *Corresponding authors).
5. Chong QY, You ML, Pandey V, Banerjee A, Chen YJ, Poh HM, Zhang M, Ma L, Zhu T, Basappa S, Liu L, Lobie PE "Release of HER2 repression of trefoil factor 3 (TFF3) expression mediates trastuzumab resistance in HER2+/ER+ mammary carcinoma" *Oncotarget*, 8, 74188-208, 2017 (ISSN: 1949-2553; Impact Factor 5.008).
6. Baburajeev CP, Mohan CD, Rangappa S, Mason DJ, Fuchs JE, Bender A, Barash U, Vlodaysky I, Basappa*, Rangappa KS "Identification of Novel Class of Triazolo-Thiadiazoles as Potent Inhibitors of Human Heparanase and their Anticancer Activity" *BMC Cancer*. 17, 235, 2017 (ISSN: 1471-2407; Impact Factor 3.265; *Corresponding authors).
7. Bhuvanlakshmi G, Basappa, Rangappa KS, Dharmarajan A, Sethi G, Kumar AP, Warriar S "Breast Cancer Stem-Like Cells Are Inhibited by Diosgenin, a Steroidal Saponin, by the Attenuation of the Wnt β -Catenin Signaling via the Wnt Antagonist Secreted Frizzled Related Protein-4" *Front Pharmacol*. 8, 124, 2017 (ISSN: 1663-9812; Impact Factor 4.418).
8. Zhang J, Sikka S, Siveen KS, Lee JH, Um JY, Kumar AP, Chinnathambi A, Alharbi SA, Basappa, Rangappa KS, Sethi G, Ahn KS. Cardamonin represses proliferation, invasion, and causes apoptosis through the modulation of signal transducer and activator of transcription 3 pathway in prostate cancer. *Apoptosis*. 2017, 22, 158-168 (ISSN: 1360-8185; Impact Factor 3.592).
9. Ningegowda R, Shivananju NS, Rajendran P, Basappa, Rangappa KS, Chinnathambi A, Li F, Achar RR, Shanmugam MK, Bist P, Alharbi SA, Lim LH, Sethi G, Priya BS. A novel 4,6-disubstituted-1,2,4-triazolo-1,3,4-thiadiazole derivative inhibits tumor

cell invasion and potentiates the apoptotic effect of TNF α by abrogating NF- κ B activation cascade. *Apoptosis*. 2017, 22, 145-157 (ISSN: 1360-8185; Impact Factor 3.592).

2016

10. Anusha Sebastian, Vijay Pandey, Chakrabhavi Dhananjaya Mohan, Yi Ting Chia, Shobith Rangappa, Jessin Mathai, C. P. Baburajeev, Shardul Paricharak, Lewis H. Mervin, Krishna C. Bulusu, Julian E. Fuchs, Andreas Bender, Shuhei Yamada, Basappa*, Peter E. Lobie*, and Kanchugarakoppal S. Rangappa* Novel Adamantanyl-Based Thiadiazolyl Pyrazoles Targeting EGFR in Triple-Negative Breast Cancer” *ACS Omega*, 1, 1412–24 2016 (ISSN: 2470-1343; Impact Factor 4.0; *Corresponding authors).
11. Nirvanappa AC, Mohan CD, Rangappa S, 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 (ISSN-1932-6203; Impact factor-3.53; *Corresponding authors).
12. Sulaiman NB, Mohan CD, Basappa*, Pandey V, Rangappa S, 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. *Int J Oncol*. 2016, 49, 1221-9 (ISSN-1932-6203; Impact factor-3.53; *Corresponding authors).
13. Mohan CD, Srinivasa V, Rangappa S, Mervin L, Mohan S, 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 (ISSN-1932-6203; Impact factor-3.53; *Corresponding authors).
14. 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*. *Bioorg Med Chem Lett*. 2016 Jul 15;26(14):3300-6 (ISSN: 0960-894X; Impact factor-2.42, *Corresponding authors).
15. Swamy Jagadish, Narasimhamurthy Rajeev, Somanathapura K. NaveenKumar, Kothanahally S. Sharath Kumar, Manoj Paul, Mahesh Hegde, **Basappa**, Marilinganadoddi P. Sadashiva, Kesturu S. Girish , Kanchugarakoppal S. Rangappa “Platelet protective efficacy of 3,4,5 trisubstituted isoxazole analogue by inhibiting ROS-mediated apoptosis and platelet aggregation” *Molecular and Cellular Biochemistry*, 2016, 414, 137-151 (ISSN: 1573-4919; Impact factor-2.05).
16. Keerthy Hosadurga Kumar, Shardul Paricharak, Chakrabhavi Dhananjaya Mohan, Hanumantharayappa Bharathkumar, G. P. Nagabhushana, Dinesh Koragere Rajashekar, Gujjarahalli Thimmanna Chandrappa, Andreas Bender, **Basappa*** and Kanchugarakoppal Subbegowda Rangappa* “Nano-MoO₃-mediated synthesis of bioactive thiazolidin-4-ones acting as anti-bacterial agents and their mode-of-action

analysis using in silico target prediction, docking and similarity searching” New J. Chem., 2016, 40, 2189-2199 (ISSN:1144-0546; Impact factor-3.09, *Corresponding authors).

2015

17. Keerthy HK, Vivek HK, Bharathkumar H, Shobith R, Krishna C. Bulusu, Lewis H. Mervin LH, Fuchs JE, **Basappa***, Nanjuda Swamy S,* Andreas Bender,* Rangappa KS* MOLPRINT 2D-based identification of novel chromene-based small molecules that target PLA2: Design, synthesis, and biological evaluation. RSC Adv., 2015, 5, 89797-808 (ISSN-2040-2501; Impact factor-3.84; *Corresponding Authors).
18. Baburajeev CP, Dhananjaya Mohan C, Ananda H, Rangappa S, Fuchs JE, Jagadish S, Sivaraman Siveen K, Chinnathambi A, Ali Alharbi S, Zayed ME, Zhang J, Li F, Sethi G, Girish KS, Bender A, **Basappa***, Rangappa KS*. Development of Novel Triazolo-Thiadiazoles from Heterogeneous "Green" Catalysis as Protein Tyrosine Phosphatase 1B Inhibitors. Sci Rep. 2015, 5, 14195 (ISSN-2045-2322; Impact factor-5.578; *Corresponding Authors).
19. Anusha S, Sinha A, Babu Rajeev CP, Chu TT, Mathai J, Ximei H, Fuchs JE, Shivananju N, Bender A, Preiser PR, Rangappa KS, **Basappa***, Chandramohanadas R*. Synthesis, characterization and in vitro evaluation of novel enantiomerically-pure sulphonamide antimalarials. Org Biomol Chem. 2015, 13, 10681-90 (ISSN-1477-0520; Impact Factor-3.562, *Corresponding authors).
20. Anusha S, CP B, Mohan CD, Mathai J, Rangappa S, Mohan S, Chandra, Paricharak S, Mervin L, Fuchs JE, M M, Bender A, **Basappa***, Rangappa KS*. A Nano-MgO and Ionic Liquid-Catalyzed 'Green' Synthesis Protocol for the Development of Adamantyl-Imidazolo-Thiadiazoles as Anti-Tuberculosis Agents Targeting Sterol 14 α -Demethylase (CYP51). PLoS One. 2015, 10, e0139798 (ISSN-1932-6203; Impact factor-3.53; *Corresponding authors).
21. Anilkumar NC, Sundaram MS, Mohan CD, Rangappa S, Bulusu KC, Fuchs JE, Girish KS, Bender A, **Basappa***, Rangappa KS*. A One Pot Synthesis of Novel Bioactive Tri-Substitute-Condensed-Imidazopyridines that Targets Snake Venom Phospholipase A2. PLoS One. 2015, 10, e0131896. (ISSN-1932-6203; Impact factor-3.53; *Corresponding author).
22. Bharathkumar H, Mohan CD, Rangappa S, Kang T, Keerthy HK, Fuchs JE, Kwon NH, Bender A, Kim S, **Basappa***, Rangappa KS*. Screening of quinoline, 1,3-benzoxazine, and 1,3-oxazine-based small molecules against isolated methionyl-tRNA synthetase and A549 and HCT116 cancer cells including an in silico binding mode analysis. Org Biomol Chem. 2015, 13, 9381-7 (ISSN-1477-0520; Impact Factor-3.562, *Corresponding authors).
23. Srinivas V, Mohan CD, Baburajeev CP, Rangappa S, Jagadish S, Fuchs JE, Sukhorukov AY, Chandra, Mason DJ, Sharath Kumar KS, Madegowda M, Bender A, **Basappa***, Rangappa KS*. Synthesis and characterization of novel oxazines and demonstration that they specifically target cyclooxygenase 2. Bioorg Med Chem Lett. 2015, 25, 2931-6 (ISSN: 0960-894X; Impact factor-2.331, *Corresponding authors).

24. NaveenKumar SK, Thushara RM, Sundaram MS, Hemshekhar M, Paul M, Thirunavukkarasu C, **Basappa**, Nagaraju G, Raghavan SC, Girish KS, Kemparaju K, Rangappa KS. Unconjugated Bilirubin exerts Pro-Apoptotic Effect on Platelets via p38-MAPK activation. *Sci Rep*. 2015, 5, 15045 (ISSN-2045-2322; Impact factor-5.578).
25. Paul M, Hemshekhar M, Thushara RM, Sundaram MS, NaveenKumar SK, Naveen S, Devaraja S, Somyajit K, West R, **Basappa**, Nayaka SC, Zakai UI, Nagaraju G, Rangappa KS, Kemparaju K, Girish KS. Methotrexate Promotes Platelet Apoptosis via JNK-Mediated Mitochondrial Damage: Alleviation by N-Acetylcysteine and N-Acetylcysteine Amide. *PLoS One*. 2015, 10, e0127558. (ISSN-1932-6203; Impact factor-3.53; *Corresponding author).
26. Ashwini N, Garg M, Mohan CD, Fuchs JE, Rangappa S, Anusha S, Swaroop TR, Rakesh KS, Kanojia D, Madan V, Bender A, Koeffler HP, **Basappa**, Rangappa KS. Synthesis of 1,2-benzisoxazole tethered 1,2,3-triazoles that exhibit anticancer activity in acute myeloid leukemia cell lines by inhibiting histone deacetylases, and inducing p21 and tubulin acetylation. *Bioorg Med Chem*. 2015, 23, 6157-65 (ISSN-1932-6203; Impact factor-3.53).
27. R. Ningegowda, S. Nanjunda Swamy, RR Achar, **Basappa**, SL. Gaonkar, S. Ranjith, GW. Yip, BS. Priya. A new class of isobenzofuran-5-carboxamide derivatives: synthesis, studies on induction of apoptosis and inhibition cancer cell proliferation. *Asian J Pharm Clin Res*, 2015, 5 (ISSN: 0974-2441; Impact factor-0.52).
28. Roopashree R, Mohan CD, Swaroop TR, Jagadish S, Raghava B, Balaji KS, Jayarama S, **Basappa**, Rangappa KS. Novel synthetic bisbenzimidazole that targets angiogenesis in Ehrlich ascites carcinoma bearing mice. *Bioorg Med Chem Lett*. 2015, 25, 2589-93 (ISSN: 0960-894X; Impact factor-2.331).
29. Bharathkumar H, Mohan CD, Ananda H, Fuchs JE, Li F, Rangappa S, Surender M, Bulusu KC, Girish KS, Sethi G, Bender A, **Basappa***, Rangappa KS*. Microwave-assisted synthesis, characterization and cytotoxic studies of novel estrogen receptor α ligands towards human breast cancer cells. *Bioorg Med Chem Lett*. 2015, 25, 1804-7 (ISSN: 0960-894X; Impact factor-2.331; *Corresponding authors).
30. Neelgundmath M, Dinesh KR, Mohan CD, Li F, Dai X, Siveen KS, Paricharak S, Mason DJ, Fuchs JE, Sethi G, Bender A, Rangappa KS, Kotresh O*, **Basappa***. Novel synthetic coumarins that targets NF- κ B in Hepatocellular carcinoma. *Bioorg Med Chem Lett*. 2015, 25, 893-7 (ISSN: 0960-894X; Impact factor-2.331, *Corresponding authors).
31. Thushara RM, Hemshekhar M, **Basappa**, Kemparaju K, Rangappa KS, Girish KS. Biologicals, platelet apoptosis and human diseases: An outlook. *Crit Rev Oncol Hematol*. 2015, 93, 149-58 (ISSN: 10408428; Impact factor-4.046).
32. Sharath Kumar KS, Mohan CD, Jagadish S, Rakesh KS, Ananda H, **Basappa**, Rangappa KS. Synthesis and acetylcholinesterase/butyrylcholinesterase inhibition activity of arecoline-,4-thiazolidinone-and peperidine-based conjugates. *Asian J Pharm Clin Res*, 2015, 8, 142-148 (ISSN: 0974-2441; Impact factor-0.52).

2014

33. Mohan CD, Bharathkumar H, Bulusu KC, Pandey V, Rangappa S, Fuchs JE, Shanmugam MK, Dai X, Li F, Deivasigamani A, Hui KM, Kumar AP, Lobie PE, Bender A, **Basappa***, Sethi G*, Rangappa KS*. Development of a novel azaspirane that targets the Janus kinase-signal transducer and activator of transcription (STAT) pathway in hepatocellular carcinoma in vitro and in vivo J Biol Chem. 2014, 289, 34296-307 (ISSN-0021-9258; Impact factor-4.6; *Corresponding Authors).
34. Keerthy HK, Garg M, Mohan CD, Madan V, Kanojia D, Shobith R, Nanjundaswamy S, Mason DJ, Bender A, **Basappa***, Rangappa KS*, Koeffler HP. Synthesis and characterization of novel 2-amino-chromene-nitriles that target Bcl-2 in acute myeloid leukemia cell lines. PLoS One. 2014, 9, e107118 (ISSN-1932-6203; Impact factor-3.53; *Corresponding author).
35. Rakesh KS, Jagadish S, Vinayaka AC, Hemshekhar M, Paul M, Thushara RM, Sundaram MS, Swaroop TR, Mohan CD, **Basappa**, Sadashiva MP, Kemparaju K, Girish KS, Rangappa KS. A new ibuprofen derivative inhibits platelet aggregation and ROS mediated platelet apoptosis. PLoS One. 2014, 9, e107182 (ISSN-1932-6203; Impact factor-3.53).
36. Keerthy HK, Mohan CD, Sivaraman Siveen K, Fuchs JE, Rangappa S, Sundaram MS, Li F, Girish KS, Sethi G, **Basappa***, Bender A*, Rangappa KS*. Novel synthetic biscoumarins target tumor necrosis factor- α in hepatocellular carcinoma in vitro and in vivo. J Biol Chem. 2014, 289, 31879-90 (ISSN-0021-9258; Impact factor-4.6; *Corresponding Authors).
37. **Basappa**, Rangappa KS, Sugahara K. Roles of glycosaminoglycans and glycanmimetics in tumor progression and metastasis. Glycoconj J. 2014, 31, 461-7 (ISSN: 1573-4986; Impact factor-1.94).
38. Srinivasa V, Sundaram MS, Anusha S, Hemshekhar M, Chandra Nayaka S, Kemparaju K, **Basappa***, Girish KS*, Rangappa KS*. Novel apigenin based small molecule that targets snake venom metalloproteases. PLoS One. 2014, 9, e106364 (ISSN-1932-6203; Impact factor-3.53; *Corresponding authors).
39. Bharathkumar H, Sundaram MS, Jagadish S, Paricharak S, Hemshekhar M, Mason D, Kemparaju K, Girish KS, **Basappa***, Bender A*, Rangappa KS*. Novel benzoxazine-based aglycones block glucose uptake in vivo by inhibiting glycosidases. PLoS One. 2014, 9, e102759 (ISSN-1932-6203; Impact factor-3.53; *Corresponding authors).
40. Sukhorukov AY, Nirvanappa AC, Swamy J, Ioffe SL, Nanjunda Swamy S, **Basappa**, Rangappa KS. Synthesis and characterization of novel 1,2-oxazine-based small molecules that targets acetylcholinesterase. Bioorg Med Chem Lett. 2014, 24, 3618-21 (ISSN: 0960-894X; Impact factor-2.331, *Corresponding authors).
41. Chandramohanadas R, **Basappa***, Russell B, Liew K, Yau YH, Chong A, Liu M, Gunalan K, Raman R, Renia L, Nosten F, Shochat SG, Dao M, Sasisekharan R,

Suresh S, Preiser P. Small molecule targeting malaria merozoite surface protein-1 (MSP-1) prevents host invasion of divergent plasmodial species. *J Infect Dis.* **2014**, 210, 1616-26 (ISSN: 1537-6613; Impact factor-5.778; *Design, synthesis and in silico analysis of small molecule).

42. BharathKumar H, Paricharak S, Dinesh KR, Siveen KS, Fuchs JE, Rangappa S, Mohan CD, Mohandas N, Kumar AP, Sethi G, Bender A*, **Basappa***, Rangappa KS.* Synthesis, biological evaluation and in silico and in vitro mode-of-action analysis of novel dihydropyrimidones targeting PPAR- γ . *RSC Adv*, 2014, 4, 45143-6 (ISSN-2040-2501; Impact factor-3.7; *Corresponding Authors).
43. Anusha S, Anandakumar BS, Mohan CD, Nagabhushana, Priya BS, Rangappa KS, **Basappa***, Chandrappa GT.* Preparation and use of combustion derived Bi₂O₃ for the generation of novel heterocycles via Suzuki-Coupling Reactions: potential application as anti-cancer agents. *RSC Adv*, 2014, 4, 52181-8 (ISSN-2040-2501; Impact factor-3.7; *Corresponding Authors).
44. Revanna CN*, **Basappa***, Srinivasa V, Feng Li, Siveen KS, Dai X, Swamy SN, Bhadregowda DG, Sethi G, Mantelingu K, Bender A, Rangappa KS. Synthesis and Biological Evaluation of Tetrahydropyridinepyrazoles ('PFPs') as Inhibitors of STAT3 Phosphorylation. *RSC MedChemComm.* **2014**, 5, 32-40 (ISSN-2040-2501; Impact factor-2.722; *Equal First Authors).
45. Hemshekhar M, Thushara RM, Naveen Kumar KS, Kemparaju K, **Basappa**, Girish KS. Role of Cartilage Degrading Enzymes and their End products in the Pathogenesis of Inflammatory Arthritis. *Inflammation and cell signalling.* **2014**, 1, e341 (ISSN-2330-7803).

2012

46. Sadashiva MP*, **Basappa***, Nanjundaswamy S, Li F, Manu KA, Sengottuvelan M, Prasanna DS, Anilkumar NC, Sethi G, Sugahara K, Rangappa KS "Anti-cancer activity of novel dibenzo[b,f]azepine tethered isoxazoline derivatives" *BMC Chem Biol.* **2012**, 12, 5. (ISSN-1472-6769; Impact factor-2.0; *Equal First Author).
47. **Basappa**, Sugahara K, Thimmaiah KN, Bid HK, Houghton PJ, Rangappa KS "Anti-Tumor Activity of a Novel HS-Mimetic-Vascular Endothelial Growth Factor Binding Small Molecule" *PLoS One.* **2012**, 7, e39444 (ISSN-1932-6203; Impact factor-4.09).

2011

48. Sunitha K, Hemshekhar M, Gaonkar SL, Sebastin Santhosh M, Suresh Kumar M, **Basappa**, Priya BS, Kemparaju K, Rangappa KS, Nanjunda Swamy S, Girish KS. "Neutralization of haemorrhagic activity of viper venoms by 1-(3-dimethylaminopropyl)-1-(4-fluorophenyl)-3-oxo-1,3-dihydroisobenzofuran-5-carbonitrile" *Basic Clin. Pharmacol. Toxicol.* **2011**, 109, 292-9. (ISSN-1742-7843; Impact factor-2.18).
49. Anupriya G, Roopa K, **Basappa**, Chong YS, Annamalai L "Homology modeling and in silico screening of inhibitors for the substrate binding domain of human Siah2:

implications for hypoxia-induced cancers” *J Mol Model*. **2011**, 17, 3325-32. (ISSN-1610-2940; Impact factor-1.79).

50. Nanjunda Swamy S, Manjunath HR, Priya BS, **Basappa**, Sridhar MA, Rangappa KS “N-[4-Cyano-3-(trifluoro-methyl)phenyl]-2-methoxy-benzamide” *Acta Crystallogr Sect E Struct Rep Online*. **2011**, 67, o198. (ISSN-1600-5368; Impact factor-0.413).

2010

51. **Basappa**, Murugan S, Kavitha CV, Purushothaman A, Nevin KG, Sugahara K, Rangappa KS “A small oxazine compound as an anti-tumor agent: a novel pyranoside mimetic that binds to VEGF, HB-EGF, and TNF- α ” *Cancer Lett*. **2010**, 297, 231-43. (ISSN-0304-3835; Impact factor-4.238).
52. Kothapalli R, Khan AM, **Basappa**, Gopalsamy A, Chong YS, Annamalai L “Cheminformatics-based drug design approach for identification of inhibitors targeting the characteristic residues of MMP-13 hemopexin domain” *PLoS One*. **2010**, 5, e12494 (ISSN-1932-6203; Impact factor-4.09).
53. Ningegowda R, Grover A, **Basappa**, Ranjith S, Rangappa KS, Priya BS, Nanjunda Swamy S “Synthesis, characterization and in vitro anti-tumor activities of novel 9-ethyl-9H-purine derivatives” *Invest New Drugs*. **2010**, 28, 754-65. (ISSN: 0167-6997; Impact factor-3.357).
54. **Basappa**; S. Nanjunda Swamy, H. R. Manjunath,, B. S. Priya, S. Naveen, M. A. Sridhar, K. S. Rangapp, J. Shashidhara Prasad “Crystal and Molecular structure studies of N-(4-chloro-3-(trifluoromethyl)phenyl)-2-methoxybenzamide” *Structural Chemistry Communications*. **2010**, 1, 70-1 (ISSN-1804-7440; Impact factor-0.9).
55. Naveen S, **Basappa**, Manjunath HR, Sridhar MA, Shashidhara Prasad J, Rangappa KS “N-[4-Cyano-3-(trifluoro-methyl)phenyl]-2-ethoxy-benzamide” *Acta Crystallogr Sect E Struct Rep Online*. **2010**, 66, o1533. (ISSN-1600-5368; Impact factor-0.413).

2009

56. **Basappa**, Ananda Kumar CS, Nanjunda Swamy S, Sugahara K, and Rangappa KS “Anti-tumor and anti-angiogenic activity of novel hydantoin derivatives: Inhibition of VEGF secretion in liver metastatic osteosarcoma cells” *Bioorg Med Chem*. **2009**, 17, 4928-34. (ISSN: 0968-0896; Impact factor-2.921).
57. **Basappa**, Murugan S, Sugahara KN, Lee CM, ten Dam GB, van Kuppevelt TH, Miyasaka M, Yamada S, Sugahara K. “Involvement of chondroitin sulfate E in the liver tumor focal formation of murine osteosarcoma cells”. *Glycobiology*. **2009**, 19, 735-42. (ISSN 1460-2423; Impact factor-3.580).

2008

58. Li F, Yamada S, **Basappa**, Shetty AK, Sugiura M, Sugahara K. Determination of iduronic acid and glucuronic acid in sulfated chondroitin/dermatan hybrid chains by

(1)H-nuclear magnetic resonance spectroscopy. *Glycoconj J.* **2008**, 25, 603-10 (ISSN: 1573-4986; Impact factor-7.10).

2007

59. Fungmoon. D., Setty. A. K., **Basappa.**, Yamada. S. & Sugahara, K “Chondroitinase-mediated degradation of rare 3-*O*-sulfated glucuronic acid in functional oversulfated chondroitin sulfate K and E” *J. Biol. Chem.* **2007**, 282, 36895-36904 (ISSN-0021-9258; Impact factor-5.8).
60. Blanchard, V., Chevalier, F., Imberty, A., Leeflang, B, R., **Basappa.**, Sugahara, K. & Kamerling, J. P “Conformational studies on five octasaccharides isolated from chondroitin sulfate using NMR spectroscopy and molecular modeling” *Biochemistry*, **2007**, 46, 1167-75 (ISSN-0006-2960; Impact factor-3.848).
61. Anil Kumar, C., Jayarama, S., **Basappa.**, Salimath, B. P & Rangappa, K. S “Pro-apoptotic activity of imidazole derivatives mediated by up-regulation of Bax and activation of CAD in Ehrlich Ascites Tumor cells” *Invest New Drugs.* **2007**, 25, 343-50 (ISSN: 0167-6997; Impact factor-3.357).
62. Priya, B. S., Anil Kumar, C., Nanjundaswamy, S., **Basappa.**, Naveen, S., Shashidhara Prasad, J & Rangappa, K. S “2-(2-(2-Ethoxybenzoylamino)-4-chlorophenoxy)-N-(2-ethoxybenzoyl)benzamine inhibits EAT cell induced angiogenesis by down regulation of VEGF secretion” *Bioorg & Med. Chem. Lett.* **2007**, 17, 2775-80 (ISSN-0960-894X; Impact factor-2.978).
63. Anil Kumar, C., Nanjundaswamy, S., Gaonkar, S. L., **Basappa.**, Salimath, B. P. & Rangappa, K. S “*N*-substituted-2-butyl-5-chloro-3*H*-imidazole-4-carbaldehyde derivatives as anti-tumor agents against Ehrlich ascites tumor cells *in vivo*” *Med. Chem.* **2007**, 3, 269-76 (ISSN: 1573-4064; Impact factor-4.38).
64. Naveen, S., **Basappa.**, M. A. Sridhar, J. Shashidhara Prasada & K. S. Rangappa “(2-Ethoxyphenyl)[4-(6-fluorobenzo[*d*]-isoxazol-3-yl)piperidin-1-yl]methanone” *Acta Crystallogr Sect E Struct Rep Online.* **2007**, o642-o643 (ISSN-1600-5368; Impact factor-0.728).

2006

65. Nanjunda Swamy, S., **Basappa.**, Sarala, G., Priya, B. S., Gaonkar, S. L., Sridhar, M. A., Shashidhara Prasad, J. & Rangappa, K. S “Microwave assisted synthesis of *N*-alkylated benzotriazole derivatives: antimicrobial studies” *Bioorg & Med. Chem. Lett.* **2006**, 16, 999-1004 (ISSN-0960-894X; Impact factor-2.978).
66. Kavitha. C. V, **Basappa.**, Nanjunda Swamy, S., Mantelingu. K, Doreswamy, S., Sridhar, M. A., Shashidhara Prasad, J. & Rangappa, K. S “Synthesis of new bioactive venlafaxine analogs: novel thiazolidin-4-ones as antimicrobials” *Bioorg & Med Chem.* **2006**, 14, 2290-2299 (ISSN-0968-0896; Impact factor-3.386).
67. Nanjundaswamy, S., **Basappa.**, Priya, B. S., Prabhuswamy, B., Doreswamy, B. H., Shashidhara Prasad, J. & Rangappa, K. S “Synthesis of pharmaceutically important

- condensed heterocyclic 4,6-disubstituted-1,2,4-triazolo-1,3,4-thiadiazole derivatives as antimicrobials” *Eur. J. Med. Chem.* **2006**, 41, 531–538 (ISSN-0223-5234; Impact factor-3.346).
68. Priya, B. S., Nanjunda Swamy, S., Tejasvi, M. V., **Basappa.**, Sarala, G., Gaonkar, S. L., Sridhar, M. A., Shashidhara Prasad, J. & Rangappa, K. S “Synthesis, characterization, antimicrobial and single crystal X-ray crystallographic studies of some new sulfonyl, 4-chloro phenoxy benzene and dibenzazepine substituted benzamides” *Eur. J. Med. Chem.* **2006**, 41, 1262-70 (ISSN-0223-5234; Impact factor-3.346).
69. Naveen S., Gaonkar, S. L., **Basappa.**, Nanjundaswamy, S., Sridhar, M. A., Shashidhara Prasad, J. & Rangappa, K. S “Synthesis and crystal structure of 5-ethyl-2-[2-(4-nitrophenoxy)ethyl]-pyridine” *Anal Sciences.* **2006**, 22, x263-264 (ISSN-1883-3578; Impact factor-1.051).
70. Priya B, S., Naveen S., Sarala, G., **Basappa.**, Sridhar, M. A., Shashidhara Prasad, J. & Rangappa, K. S “Crystal structure of 2-ethoxy-N-[4-(pyrimidin-2-yl)sulfamoyl]-phenyl]benzamide” *Anal Sciences.* **2006**, 22, x235-x236 (ISSN-1883-3578; Impact factor-1.051).
71. Naveen S., Nanjunda Swamy, S., **Basappa.**, Prabhu Swamy, B., Sridhar, M. A., Shashidhara Prasad, J. & Rangappa, K. S “Crystal structure of 3-para tolyl-6-(4'-methyl-biphenyl-2-yl)-[1,2,4]triazolo[3,4-b][1,3,4]thiadiazoles” *Anal Sciences.* **2006**, 22, x221-x222 (ISSN-1883-3578; Impact factor-1.051).
72. Naveen S., Prabhu Swamy, B., Nanjunda Swamy, S., **Basappa.**, Sridhar, M. A., Shashidhara Prasad, J. & Rangappa, K. S “Crystal structure of a bioactive 4-bromomethyl-biphenyl-2-carboxylic acid *tert*-butyl ester” *Anal Sciences.* **2006**, 22, x179-x180 (ISSN-1883-3578; Impact factor-1.051).
73. Priya B, S., Naveen S., **Basappa.**, Sridhar, M. A., Shashidhara Prasad, J. & Rangappa, K. S “Synthesis and crystal structure of 3,4,5-trimethoxybenzaldehyde oxime monohydrate” *Anal Sciences.* **2006**, 22, x161-162 (ISSN-1883-3578; Impact factor-1.051).
74. Doreswamy, S. I., Kavitha. C. V, **Basappa.**, Sridhar, M. A., Rangappa, K. S. & Shashidhara Prasad, J. & “Crystal Structure of bioactive venlafaxine analog: 3-(2-(1-Hydroxycyclohexyl)-2-(4-methoxyphenyl)ethyl)-2-(4-hydroxyphenyl)-thiazolidine-4-one” *Anal Sciences.* **2006**, 22, x99-x100 (ISSN-1883-3578; Impact factor-1.051).
75. Naveen, S., Nanjundaswamy, S., **Basappa.**, Prabhuswamy, B., Sridhar, M. A., Shashidhara Prasad, J & Rangappa, K. S “Crystal structure of bioactive intermediate: 1-benzhydrylpiperazine” *Anal Sciences.* **2006**, 22, x41-x42 (ISSN-1883-3578; Impact factor-1.051).
76. Nanjundaswamy, S., **Basappa.**, Priya B, S., Prabhuswamy, B., Sridhar, M. A., Shashidhara Prasad, J & Rangappa, K. S “Synthesis and crystal structure analysis of bioactive 2-(4-methyl-2'-biphenyl)-4-amino-1,2,4-triazole-3-thiol” *Structural Chemistry.* **2006**, 17, 91-95 (ISSN-1804-7440; Impact factor-0.833).

77. Nanjunda Swamy, S., Sarala, G., **Basappa.**, Prabhuswamy, B., Sridhar, M. A., Shashidhara Prasad, J & Rangappa, K. S “Crystal and molecular structure analysis of 1,2,4-triazolo-*N*-amino-thiols” *Mol. Cryst. Liq. Cryst.* **2006**, 457, 215-223 (ISSN-1058-725X; Impact factor-0.529).
78. Priya, B. S., **Basappa.** & Rangappa, K. S “ Δ^2 -isoxazoline derivatives as antimicrobials” *Heterocyclic Communications.* **2006**, 12, 35-42 (ISSN-2191-0197; Impact factor-0.401).
79. Kavitha, C. V., **Basappa.**, Mantelingu, K., Doreswamy, S. I., Shashidhara Prasad, J & Rangappa, K. S “Synthesis and crystal structure studies of (2RS)-3-[(2RS)-2-(1-hydroxycyclohexyl)-2-(4-methoxyphenyl)ethyl]-2-(pyridine-3-yl)thiazolidin-4-one” *J. Chem. Res.* **2006**, 312-314 (ISSN- 1747-5198; Impact factor-0.550).

2005

80. Priya, B. S., **Basappa.**, Nanjunda Swamy, S., & Rangappa, K. S “Synthesis and characterization of novel 6-fluoro-4-piperidinyl-1,2-benzisoxazole amides and 6-fluoro-chroman-2-carboxamides: antimicrobial studies” *Bioorg & Med. Chem.* **2005**, 13, 2623-2628 (ISSN: 0968-0896; Impact factor- 2.286).
81. Rangappa, K. S. & **Basappa** “New cholinesterase inhibitors: synthesis and structure-activity relationship studies of 1,2-benzisoxazole series and novel imidazolyl-2-isoxazolines” *J. Phy. Org. Chem.* **2005**, 18, 773-778 (ISSN- 1099-1395; Impact factor-1.963).
82. Kavitha, C. V., Lakshmi, S., **Basappa.**, Mantelingu, K., Sridhar, M. A., Shashidhara Prasad, J. & Rangappa, K. S “Synthesis and molecular structure analysis of venlafaxine intermediate and its analog” *J. Chem. Cryst.* **2005**, 35, 957-963 (ISSN-1572-8854; Impact factor-0.566).
83. Mahendra, M., Jayalakshmi, K., **Basappa.**, Rangappa, K. S., Sridhar, M. A. & Shashidhara Prasad, J “2-Biphenyl-4-yl)-3-(4-methoxyphenyl)-1,3-thiazolidin-4-one” *Acta Crystallogr Sect E Struct Rep Online*, **2005**, E61, o2315-o2317 (ISSN-1600-5368; Impact factor-0.728).
84. Jayalakshmi, K., Mahendra, M., **Basappa.**, Doreswamy, B. H., Sridhar, M. A., Shashidhara Prasad, J., & Rangappa, K. S “Synthesis and X-ray structure of 3-(4-methylphenyl)-2-(4-biphenyl)-1,3-thiazolidine-4-one” *J. Chem. Cryst.* **2005**, 35, 67-70 (ISSN-1572-8854; Impact factor-0.566).
85. Sadashiva, M. P., Doreswamy, B. H., **Basappa.**, Rangappa, K. S., Sridhar, M. A., & Shashidhara Prasad, J “Synthesis and crystal structure of 5-allyl-5H-dibenzo[b,f]azepine” *J. Chem. Cryst.* **2005**, 35(3), 171-175 (ISSN-1572-8854; Impact factor-0.566).
86. **Basappa.**, Doreswamy, B. H., Mahendra, M., Mantelingu, K., Sridhar, M. A., Shashidhara Prasad, J. & Rangappa, K. S “Reduction of aldehydes and oximes to their

corresponding alcohols and amines by catalytic hydrogenation method" *Ind. J. Chem.* **2005**, 44B, 148-151 (ISSN-0975-0983; Impact factor-0.648).

87. Nanjunda Swamy, S., **Basappa.**, Sarala, G., Prabhuswamy, B., Sridhar, M. A., Shashidhara Prasad, J. & Rangappa, K. S "Synthesis and x-ray crystal studies of 6-(2-chlorophenyl)-3-methyl[1,2,4]triazolo[4,5-b][1,3,4] thiadiazole" *J. Chem. Research.* **2005**, 4, 238-239 (ISSN-1747-5198; Impact factor-0.550).

2004

88. **Basappa.**, Nanjunda Swamy, S., Sathish Kumar, M., Vishwanath, B. S. & Rangappa, K. S "Novel 2-isoxazolines as group II phospholipase A₂ inhibitors" *Bioorg & Med. Chem. Lett.* **2004**, 14, 3679-3681 (ISSN-0960-894X; Impact factor-2.978).
89. **Basappa.**, Kavitha, C. V. & Rangappa, K. S "Simple and an efficient method for the synthesis of 1-[2-dimethylamino-1-(4-methoxy-phenyl)-ethyl]-cyclohexanol hydrochloride: (±) venlafaxine racemic mixtures" *Bioorg & Med. Chem. Lett.* **2004**, 14, 3279-3281 (ISSN-0960-894X; Impact factor-2.978).
90. Mantelingu, K., Rangappa, K. S., **Basappa.**, Doreswamy, B. H., Mahendra, M., Sridhar, M. A. & Shashidhara Prasad, J "Synthesis and X-ray crystal structure studies of 1-ethyl-3-(2-chlorophenyl)-1,2,3 triazolium perchlorate" *J. Chem. Cryst.* **2004**, 34, 141-145 (ISSN-1572-8854; Impact factor-0.566).
91. **Basappa.**, Mantelingu, K., Sadashiva, M. P. & Rangappa, K. S "A simple and efficient method for the synthesis 1,2-benzisoxazoles: a series of its potent acetylcholinesterase inhibitors" *Ind. J. Chem.* **2004**, 43B, 1954-1957 (ISSN-0975-0983; Impact factor-0.648).

2003

92. **Basappa.**, Sadashiva, M. P., Mantelingu, K., Nanjunda Swamy, S. & Rangappa, K. S "Solution-phase synthesis of novel \square^2 -isoxazoline libraries via 1,3-dipolar cycloaddition and their antifungal properties" *Bioorg & Med. Chem.* **2003**, 11, 4539-4544 (ISSN: 0968-0896; Impact factor- 2.286).
93. Ravi Kumar, K. R., Mallesha, H., **Basappa.** & Rangappa, K. S "Synthesis of novel isoxazolidine derivatives and studies for their antifungal properties" *Eur. J. Med. Chem.* **2003**, 38, 613-619 (ISSN-0223-5234; Impact factor-3.346).
94. Doreswamy, B H., **Basappa.**, Mantelingu, K., Mahendra, M., Sridhar, M. A., Shashidhara Prasad, J. & Rangappa, K. S "Microwave-assisted synthesis and crystal structure of 2-butyl-4-chloro-1*H*-imidazole-5-carboxaldehyde" *Analytical Sciences*, **2003**, 19, x31-32 (ISSN-1883-3578; Impact factor-1.051).
95. Ravi Kumar, K. R., Mallesha, H., **Basappa.** & Rangappa, K. S "A facile route for the synthesis of novel gamma-lactams" *J. Heterocycl. Chem.* **2003**, 40, 607-609 (ISSN-1943-5193; Impact factor-1.22).

96. Doreswamy, B. H., Mahendra, M., Sridhar, M. A. Shashidhara Prasad, J., Mantelingu, K., **Basappa.** & Rangappa, K. S “Synthesis and crystal structure of 1-methyl-3-(4-nitrophenyl)-1,2,3 triazolium perchlorate” *Mol. Cryst. Liq. Cryst*, **2003**, 403, 67-75 (ISSN-1058-725X; Impact factor-0.529).
97. Vishu Kumar, B. K., Mantelingu, K., **Basappa.** & Rangappa, K. S “Synthesis of novel isoxazolidines via 1,3-dipolar cycloaddition of nitrones to olefins” *Heterocycl. Commun.* **2003**, 9, 161-164 (ISSN-2191-0197; Impact factor-0.401).
98. Doreswamy, B. H., Mahendra, M., Sridhar, M. A., Shashidhara Prasad, J., Mantelingu, K., **Basappa.** & Rangappa, K. S. Synthesis and crystal structure of 1-ethyl-3-(phenyl)-1,2,3-triazolium perchlorate. *Central. Eur. J. Chem.* **2003**, 4, 477-490 (ISSN-1644-3624; Impact Factor-1.073).
99. Vishu Kumar, B. K., Mantelingu, K., **Basappa.** & Rangappa, K. S “Synthesis and characterization of newer 3-anthranyl-2(3-chlorophenyl)-5-substituted novel isoxazolidines via 1, 3-dipolar cycloaddition reaction of nitrones with alkenes” *Chemistry: an Indian Journal.* **2003**, 1, 12-16 (ISSN-0927-8376; Impact Factor-1.0).

Publication of chapters in Books:

Sl. No.	Title with Page Nos	Book title, editor, year	Publishers International / National / Local
1	Human microbiota for human wealth (Accepted).	Microbial Bioresources	CABI, UK
2	Microbial Enzymes: Applications and Relevance in Industries, Medicines and Beyond (Accepted).	Microbial catalysis	Springer, USA

SELECTED ABSTRACTS

- “Development of novel heterocyclic small-molecule raised against clinically important drug-targets” 13th EURASIA Conferences on Chemical Sciences, December 14-18, **2014**, Bangalore. INDIA.
- **Basappa.** & Ram Sasisekharan “Applying an integrated glycobiology approach towards functional typing of influenza” SMART ID-IRG Workshop, January 11, 2010, CeLS, NUS, Singapore.
- **Basappa.** & Ram Sasisekharan “2009 Swine-Origin A(H1N1) Influenza: A perspective” SMART ID-IRG Workshop –2009, July 4-5, 2009, Shaw Foundation Alumni House, NUS, Singapore.
- **Basappa.** Murugan S, Sugahara KN, Lee CM, ten Dam GB, van Kuppevelt TH, Miyasaka M, Yamada S, and Sugahara K “Role of chondroitin sulfate E in the liver tumor focal formation of murine osteosarcoma cells” *International Conference on Current Trends in Chemistry and Biochemistry*, Dec 18-19, 2009, Bangalore, INDIA.
- **Basappa.** Anurag Purushothaman, Kazuki N Sugahara, Chun Man Lee, Gerdy B. ten Dam, Toin H. van Kuppevelt, Masayuki Miyasaka and Kazuyuki Sugahara “Expression and involvement of highly sulfated chondroitin sulfate in the liver

metastasis of osteosarcoma cells” The 28th Japanese Carbohydrate Symposium, August 2008, Tsukuba, JAPAN.

- **Basappa.**, & Sugahara, K, “Chondroitinase-Mediated degradation of rare 3-O-sulfated glucuronic acid in functional oversulfated chondroitin sulfate chains” *Annual Meeting of the Molecular Biology Society of Japan & the Japanese Biochemical Society, BMB-2007, Dec 11-15, 2007, Yokohama, JAPAN.*
- **Basappa.**, & Sugahara, K “Inhibitory effects of synthetic heterocyclic compounds on angiogenesis as well as the migration and invasion of a mouse osteosarcoma cell line expressing chondroitin sulfate” *Benzon Symposium No. 54, June 11-14, 2007, Copenhagen, DENMARK.*
- **Basappa.**, Blanchard, V., Chevalier, F., Imberty, A., Leeflang, B. R., Sugahara, K. & Kamerling, J. P “Experimental correlation for understanding the recognition of the chondroitin sulfate (CS) octasaccharides by anti-CS mAbs using immunological and conformational studies through NMR and molecular modeling” *National symposium of the pharmaceutical society of Japan, March 28-30, 2007, Toyama, JAPAN.*
- **Basappa.**, & Sugahara, K “Development of analytical method to detect rare 3-O-sulfated glucuronic acid containing disaccharides in various Chondroitin/Dermatan sulfate preparations” *National Symposium on Carbohydrate Chemistry, Aug 22-25, 2006, Sendai, JAPAN.*
- **Basappa.**, & Shibdas, D. Banerji “Discovery of novel agent 6-fluoro-3-[1-(2-morpholino-4-yl-ethyl)piperidin-4-yl]-benzo[d]isoxazole (fmpb) acts as an activator of matrix metalloproteinase (gelatinase A) in multiple human tumors” *Chemistry Biology Interface: Synergistic New Frontiers. Nov 21-26, 2004, New Delhi, INDIA.*

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