



CURRICULUM VITAE

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Department of Studies in Organic Chemistry, University of
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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
Dec 1999 to May 2002	Research Chemist	Jubilant Organosys Pvt. LTD
May 2007 to May 2017	Assistant Professor	Bangalore University
May 2022-Present	Associate Professor	University of Mysore (UOM)
October-2018 to Present	Chairman	Department of Organic Chemistry, UOM, Mysore

FELLOWSHIPS AWARDED

1. Meijo University Visiting Scholar, Meijo University, JAPAN-2015 (6-weeks).

2. Wrangler DC Pavate Memorial Visiting Fellowship-2012 (4-months, University of Cambridge).
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. CESEM award from VGST, Government of Karnataka-2018 (60 lakhs).
2. Prof R. C. Shah Memorial Lecture Award-2018.
3. Meijo University Research Fellow-2015.
4. Sir CV Raman Young Scientist Award-2012.
5. Award for Research Publication, Vision Group on Science and Technology, INDIA-2012.
6. Wrangler-DC Pavate Fellowship Award-2013.
7. Seed money for young researcher-award from VGST, GOK-2012
8. Singapore-MIT Research and Technology- Post Doctoral Fellowship Award-2009.
9. Japan society for the promotion of science post-doctoral fellowship-2006 (JAPAN).
10. Most Cited Paper 2006-2009 Award (Bioorg & Med Chem, Elsevier Ltd).
11. Most Cited Paper 2003-2006 Award (Bioorg & Med Chem, Elsevier Ltd).
12. Japan Science and Technology-Post Doctoral Fellowship-2005.
13. UGC-Project Fellowship-2002 (Government of India).
14. CSIR-Senior Research Fellowship (Medical Sciences)-2004.
15. 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	Co-PI	April 1, 2007	March 31, 2009	JSPS- INSA	5M JPY

probes.					
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	5M 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	20L
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)	22L
Identification of new small molecules against NF-kB: An interesting drug target	PI	2012	2014	VGST	04.0L
Synthesis characterization, and Biological evaluation of sugar mimetic compounds as anti-invasive agents	PI	2012	2015	UGC	12.25L
Structure, Function and Biological Elucidation of Glycosaminoglycans and Glyco mimetics	PI	2012	2015	DST	30.0L
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	1.0 crore
Synthesis and biological studies of poly substituted 1,2-oxazines	PI	2017	2020	CSIR	33.0L
Synthesis of flavonoid based compounds	PI	2017	2018	USA-NIH	15000 USD
Development of drug-seeds that targets TFF3 in mammary, gastric, and hepatocellular carcinoma	PI	2019	2022	DBT	1.0 crore
Design, Synthesis, Characterization and Biological Studies of Novel small molecule that targets artemin and synergistic effect with PI3K/AKT	PI	2019	2022	VGST	60L

inhibitors in human mammary carcinoma cells					
Development of TFF3 drugs	PI	2018	2019	UOM-MRP	1.0L

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. 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.

Abstract: the present disclosure describes the combining multidisciplinary approaches, we report the discovery of a small molecule inhibitor, NIC, capable of inhibiting host invasion through interacting with a major invasion-related protein, merozoite surface protein-1 (MSP-1). Treatment with NIC prevented host invasion by Plasmodium falciparum and Plasmodium vivax—major causative organisms of human malaria. MSP-1, an indispensable antigen critical for invasion and suitably localized in abundance on the merozoite surface represents an ideal target for antimalarial development.

2. 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" PCT No. WO2007/034510-A1.

Abstract: The present invention relates to the field of anti-neoplastic therapeutics and more particularly, the specific derivatives of 1,2,4-triazolo-1,3,4-thiadiazole condensed heterocyclic nucleus bearing novel small molecules induce cancer-specific cell death. This invention also relates to process for the preparation of the novel compounds, pharmaceutical compositions containing the said compounds.

3. Sughara. K, Rangappa K. S. and **Basappa** "New low-molecular weight compound and method from producing the same" Japan Patent-2007254391.

Abstract: The present disclosure relates to the inhibitors of heparanase, methods and applications thereof. In particular, the present disclosure relates to DMBO, its synthesis and its activity as a heparanase inhibitor.

(b) Total number of patents granted in last five years:

4. Rangappa K. S, **Basappa**, Mohan C. D, Shobith R, Pandey V, Lobie P. E; Compounds, As Inhibitors of Tff3 Dimerization, Methods and Applications. PCT No. WO/2018/226155 A1.

Abstract: The present invention relates to novel compounds, and in particular to compounds which are inhibitors of trefoil factor 3 (TFF3) in cancer cells, to the compounds for use in the treatment or prevention of cancer and to pharmaceutical compositions comprising the compounds.

5. 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 No. 201641024910A, Publication date: 26/01/2018.

Abstract: The present disclosure related to adamantly-tethered thiazolyl-pyrazolines, method of synthesis of adamantly-tethered thiazolyl-pyrazolines and applications thereof as modulators of protein of cancer cell. The adamantly-tethered thiazolyl-pyrazolines inhibit or down regulate anti-apoptotic proteins and induce or up regulate pro-apoptotic proteins. In particular, adamantly-tethered thiazolyl-pyrazolines inhibit phosphorylation of specific tyrosine residues of EGFR and the activity of its downstream effects of ERK and STAT3 and hence serve as potent anti-cancer agents against breast cancer and lung cancer.

6. 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. PCT No. WO 2018/194520 A9

Abstract: The present invention relates to novel compounds, and in particular to compounds which are inhibitors of Bcl-2-associated death promoter (BAD) in cancer cells, to the compounds for use in the treatment or prevention of cancer and to pharmaceutical compositions comprising the compounds.

7. Rangappa KS, **Basappa**, Mohan CD, Shobith R, Bharathkumar H, Sethi G, Bender A, Lobie P. E, Hui K. M, Kumar AP, Pandey VK, 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. PCT No. 2016/0214968 A1; Indian Patent, 324/CHE/2015 dated 22-01-2015.

Abstract: The present disclosure relates to compound of structural formula I and a method for preparing said compounds. The disclosure further relates to a method of employing the Formula I compounds for modulation of Janus kinase-Signal Transducer and Activator of transcription (JAK-STAT) pathway in cancer cells, and the corresponding use of compound of Formula I as anti-cancer agents.

8. 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" IP Application No.4345/CHE/2015A, Publication Date: 24/02/2017.

Abstract: The present disclosure relates to modulators of tumor necrosis factor, methods and applications thereof. In particular, the present disclosure relates to (3-((2-butyl-4-chloro-1H-imidazol-5-yl)(4-hydroxy-2-oxo-2H-chromen-3-yl)methyl)-4-hydroxy-2H-chromen-2-one (BIHC), its synthesis and its activity as a tumor necrosis factor (TNF- α) inhibitor or blocker.

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	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 Degree awarded-2018
7	Dukanya	Synthesis, characterization and biological studies of chromene-3-carbonitriles, 1,3,4-oxadiazoles, oxazines and related compounds.	PhD Degree awarded-2021
8	Swamy SG	Synthesis, Characterization Of Imidazopyridine Based Chalcones, Oxadiazoles, Petasis Products And Their Biological Applications	PhD Degree awarded-2022
9	Divakar V	synthesis, characterization and biological studies of triazolo-thiadiazoles, isoxazoles and related compounds	PhD Submitted-2023

10	Suresh ND	Exploring the chemical synthesis, characterization and biological studies of imidazopyridine, aryl-amine, thiouracil and other heterocyclic compounds	Registered-2018
11	Akshay R	Chemical biology of imidazo-pyridine, pyrazole, and thiouracil related compounds	Registered-2020
12	Shindu MP	Synthesis and biological importance of 1,3,4-oxadiazole and related compounds	Registered-2022
13	Tejaswini MP	Synthesis, Characterization and pharmacological Studies of Thiadiazoles, Pyrazolines and Related Compounds	Registered-2022
14	Rashmi S	Pharmacological Analysis of Bioactive compound	Registered-2022
15	Pradeep M	Synthesis, characterization and pharmacological studies of novel oxadiazole, oxazines, imidazole-pyridine based heterocyclic compounds	Registered-2022
16	Dileep and Monisha: provisional registration-2023		

PUBLICATIONS (155)

2023

1. Development of novel class of dimmers of indole and coumarin derivatives as antibacterial agents that target histidine kinase. Manuscript under consideration.
2. Suresha N. Deveshegowda, Ji-Rui Yang, Zhang Xi, Omantheswara Nagaraja, Kashifa Fazl-Ur-Rahman, Bhanuprakash C. Narasimhachar, Gautam Sethi, Ganga Periyasamy, Mahendra Madegowda, Shobith Rangappa, Vijay Pandey, Peter E. Lobie, Basappa Basappa. Nano-ZrO₂-Catalyzed Biginelli Reaction and the Synthesis of Bioactive Dihydropyrimidinones That Targets PPAR- γ in Human Breast Cancer Cells. *Catalysts* 2023, 13(2), 228; <https://doi.org/10.3390/catal13020228>.
3. Vishwanath D, Shete-Aich A, Honnegowda MB, Anand MP, Chidambaram SB, Sapkal G, Basappa B, Yadav PD. Discovery of Hybrid Thiouracil-Coumarin Conjugates as Potential Novel Anti-SARS-CoV-2 Agents Targeting the Virus's Polymerase "RdRp" as a Confirmed Interacting Biomolecule. *ACS Omega*. 2023 Jul 14;8(30):27056-27066. doi: 10.1021/acsomega.3c02079. eCollection 2023 Aug 1. PMID: 37546653.
4. Vishwanath D, Xi Z, Ravish A, Mohan A, Basappa S, Krishnamurthy NP, Gaonkar SL, Pandey V, Lobie PE, Basappa B. Electrochemical Synthesis of New Isoxazoles and Triazoles Tethered with Thiouracil Base as Inhibitors of

- Histone Deacetylases in Human Breast Cancer Cells. *Molecules*. 2023 Jul 6;28(13):5254. doi: 10.3390/molecules28135254.
5. Basappa B, Jung YY, Ravish A, Xi Z, Swamynayaka A, Madegowda M, Pandey V, Lobie PE, Sethi G, Ahn KS. Methyl-Thiol-Bridged Oxadiazole and Triazole Heterocycles as Inhibitors of NF- κ B in Chronic Myelogenous Leukemia Cells. *Biomedicines*. 2023 Jun 8;11(6):1662. doi: 10.3390/biomedicines11061662.
 6. Kim NY, Vishwanath D, Xi Z, Nagaraja O, Swamynayaka A, Kumar Harish K, Basappa S, Madegowda M, Pandey V, Sethi G, Lobie PE, Ahn KS, Basappa B. Discovery of Pyrimidine- and Coumarin-Linked Hybrid Molecules as Inducers of JNK Phosphorylation through ROS Generation in Breast Cancer Cells. *Molecules*. 2023 Apr 13;28(8):3450. doi: 10.3390/molecules28083450.
 7. Ravish A, Shivakumar R, Xi Z, Yang MH, Yang JR, Swamynayaka A, Nagaraja O, Madegowda M, Chinnathambi A, Alharbi SA, Pandey V, Sethi G, Ahn KS, Lobie PE, Basappa B. De Novo Design of Imidazopyridine-Tethered Pyrazolines That Target Phosphorylation of STAT3 in Human Breast Cancer Cells. *Bioengineering (Basel)*. 2023 Jan 24;10(2):159. doi: 10.3390/bioengineering10020159.
 8. Basappa B, Poonacha LK, Xi Z, Vishwanath D, Yang JR, Nagaraja O, Swamynayaka A, Madegowda M, Chinnathambi A, Alharbi SA, Gurudatt DM, Pandey V, Shivananju N, Ahn KS, Sethi G, Lobie PE, Shubha PB. Nano-Zirconium Dioxide Catalyzed Multicomponent Synthesis of Bioactive Pyranopyrazoles That Target Cyclin Dependent Kinase 1 in Human Breast Cancer Cells. *Biomedicines*. 2023 Jan 10;11(1):172. doi: 10.3390/biomedicines11010172.

2022

9. Pandey V, Zhang X, Poh HM, Wang B, Dukanya D, Ma L, Yin Z, Bender A, Periyasamy G, Zhu T, Rangappa KS, Basappa B, Lobie PE. Monomerization of Homodimeric Trefoil Factor 3 (TFF3) by an Aminonitrile Compound Inhibits TFF3-Dependent Cancer Cell Survival. *ACS Pharmacol Transl Sci*. 2022 Aug 17;5(9):761-773. doi: 10.1021/acspsci.2c00044. eCollection 2022 Sep 9. PMID: 36110371.
10. Zhang X, Wang L, Chen S, Huang P, Ma L, Ding H, Basappa B, Zhu T, Lobie PE, Pandey V. Combined inhibition of BADSer99 phosphorylation and PARP ablates models of recurrent ovarian carcinoma. *Commun Med (Lond)*. 2022 Jul 2;2:82. doi: 10.1038/s43856-022-00142-3. eCollection 2022.
11. Zhang X, Huang P, Wang L, Chen S, Basappa B, Zhu T, Lobie PE, Pandey V. Inhibition of BAD-Ser99 phosphorylation synergizes with PARP inhibition to ablate PTEN-deficient endometrial carcinoma. *Cell Death Dis*. 2022 Jun 20;13(6):558. doi: 10.1038/s41419-022-04982-8. PMID: 35725817.
12. Deveshgowda SN, Metri PK, Shivakumar R, Yang JR, Rangappa S, Swamynayaka A, Shanmugam MK, Nagaraja O, Madegowda M, Babu Shubha P, Chinnathambi A, Alharbi SA, Pandey V, Ahn KS, Lobie PE,

- Basappa B. Development of 1-(4-(Substituted)piperazin-1-yl)-2-((2-((4-methoxybenzyl)thio)pyrimidin-4-yl)oxy)ethanones That Target Poly (ADP-Ribose) Polymerase in Human Breast Cancer Cells. *Molecules*. 2022 Apr 29;27(9):2848. doi: 10.3390/molecules27092848.
13. Cheng F, Wang X, Chiou YS, He C, Guo H, Tan YQ, Basappa B, Zhu T, Pandey V, Lobie PE. Trefoil factor 3 promotes pancreatic carcinoma progression via WNT pathway activation mediated by enhanced WNT ligand expression. *Cell Death Dis*. 2022 Mar 25;13(3):265. doi: 10.1038/s41419-022-04700-4. PMID: 35332126
 14. Vishwanath D, Girimancharaika SS, Dukanya D, Rangappa S, Yang JR, Pandey V, Lobie PE, Basappa B. Design and Activity of Novel Oxadiazole Based Compounds That Target Poly(ADP-ribose) Polymerase. *Molecules*. 2022 Jan 21;27(3):703. doi: 10.3390/molecules27030703. PMID: 35163965.
 15. Zhang X, Wang L, Chen S, Huang P, Ma L, Ding H, Basappa B, Zhu T, Lobie PE, Pandey V. Combined inhibition of BADSer99 phosphorylation and PARP ablates models of recurrent ovarian carcinoma. *Commun Med (Lond)*. 2022 Jul 2;2:82. doi: 10.1038/s43856-022-00142-3. PMID: 35791346; PMCID: PMC9250505.
 16. Zhang X, Huang P, Wang L, Chen S, Basappa B, Zhu T, Lobie PE, Pandey V. Inhibition of BAD-Ser99 phosphorylation synergizes with PARP inhibition to ablate PTEN-deficient endometrial carcinoma. *Cell Death Dis*. 2022 Jun 20;13(6):558. doi: 10.1038/s41419-022-04982-8. PMID: 35725817; PMCID: PMC9209517.
 17. Mohan CD, Rangappa S, Preetham HD, Chandra Nayaka S, Gupta VK, Basappa S, Sethi G, Rangappa KS. Targeting STAT3 signaling pathway in cancer by agents derived from Mother Nature. *Semin Cancer Biol*. 2022 May;80:157-182. doi: 10.1016/j.semcancer.2020.03.016. Epub 2020 Apr 20. PMID: 32325172 (ISSN 10963650; Impact Factor: 9.658; *co-author).

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18. Girimancharaika SS, Dukanya D, Swamynayaka A, Govindachar DM, Madegowda M, Periyasamy G, Rangappa KS, Pandey V, Lobie PE, Basappa B. Investigation of NPB Analogs That Target Phosphorylation of BAD-Ser99 in Human Mammary Carcinoma Cells. *Int J Mol Sci*. 2021 Oct 12;22(20):11002. doi: 10.3390/ijms222011002. PMID: 34681659; PMCID: PMC8540132.
19. Bhat A, Tan V, Heng B, Chow S, Basappa S, Essa MM, Chidambaram SB, Guillemin GJ. Papaverine, a Phosphodiesterase 10A Inhibitor, Ameliorates Quinolinic Acid-Induced Synaptotoxicity in Human Cortical Neurons. *Neurotox Res*. 2021 Aug;39(4):1238-1250. doi: 10.1007/s12640-021-00368-4. Epub 2021 Apr 29. PMID: 33914237.
20. Barash U, Rangappa S, Mohan CD, Vishwanath D, Boyango I, Basappa B, Vlodayevsky I, Rangappa KS. New Heparanase-Inhibiting Triazolo-Thiadiazoles Attenuate Primary Tumor Growth and Metastasis. *Cancers*

(Basel). 2021 Jun 13;13(12):2959. doi: 10.3390/cancers13122959. PMID: 34199150; PMCID: PMC8231572 (ISSN:2072-6694; Impact Factor: 6.16; *Corresponding Authors).

21. Thanuja KN, Swaroop TR, Navya Rani M, Rangappa KS, **Basappa*** Rangappa D "Synthesis, Characterization and Cytotoxic Studies of Benzamide Derivatives of Anacardic Acid using Human Liver Cancer Cells" CLINICAL ONCOLOGY AND RESEARCH, 2021, 3(4): 2-8, DOI: 10.31487/j.COR.2020.04.07 (ISSN 2613-4942; Impact Factor 1.8; *Corresponding Author).
22. Chikkegowda P, Pookunoth BC, Bovilla VR, Veeresh PM, Leihang Z, Thippeswamy T, Padukudru MA, Hathur B, Kanchugarakoppal RS, Basappa, Madhunapantula SV. Design, Synthesis, Characterization, and Crystal Structure Studies of Nrf2 Modulators for Inhibiting Cancer Cell Growth In Vitro and In Vivo. ACS Omega. 2021 Apr 9;6(15):10054-10071. doi: 10.1021/acsomega.0c06345. PMID: 34056161; PMCID: PMC8153663 (ISSN: 2470-1343; Impact Factor 4.0; *Corresponding authors).
23. Basappa B, Chumadathil Pookunoth B, Shinduvalli Kempasiddegowda M, Knchugarakoppal Subbegowda R, Lobie PE, Pandey V. Novel Biphenyl Amines Inhibit Oestrogen Receptor (ER)- α in ER-Positive Mammary Carcinoma Cells. Molecules. 2021 Feb 3;26(4):783. doi: 10.3390/molecules26040783. PMID: 33546391; PMCID: PMC7913524 (ISSN 1420-3049; Impact Factor: 3.26; *First-author).

2020

24. Chumadathil Pookunoth, B.; Eshwar Rao, S.; Deveshegowda, S.N.; Kashinath Metri, P.; Fazl-Ur-Rahman, K.; Periyasamy, G.; Virupaiah, G.; Priya, B.S.; Pandey, V.; E. Lobie, P.; Knchugarakoppal Subbegowda, R.; Basappa. Development of a New Arylamination Reaction Catalyzed by Polymer Bound 1,3-(Bisbenzimidazolyl) Benzene Co(II) Complex and Generation of Bioactive Adamanate Amines. *Catalysts* 2020, 10, 1315. <https://doi.org/10.3390/catal10111315>. (ISSN 2073-4344; Impact factor: 3.52; *Corresponding author).
25. Wang Y, Chiou YS, Chong QY, Zhang M, Rangappa KS, Ma L, Zhu T, Kumar AP, Huang RY, Pandey V, Basappa, Lobie PE. Pharmacological Inhibition of BAD Ser99 Phosphorylation Enhances the Efficacy of Cisplatin in Ovarian Cancer by Inhibition of Cancer Stem Cell-like Behavior. ACS Pharmacol Transl Sci. 2020 Oct 9;3(6):1083-1099. doi: 10.1021/acspsci.0c00064. PMID: 33344891; PMCID: PMC7737213 (ISSN: 2575-910; *Corresponding author).
26. Malojirao VH, Girimanhanaika SS, Shanmugam MK, Sherapura A, Dukanya, Metri PK, Vigneshwaran V, Chinnathambi A, Alharbi SA, Rangappa S, Mohan CD, Basappa, Prabhakar BT, Rangappa KS. Novel 1,3,4-oxadiazole Targets STAT3 Signaling to Induce Antitumor Effect in Lung Cancer. Biomedicines. 2020 Sep 21;8(9):368. doi: 10.3390/biomedicines8090368. PMID:

- 32967366; PMID: PMC7555749 (ISSN 0037-9042; Impact Factor: 4.71; *Corresponding author).
27. Lee JH, Mohan CD, Deivasigamani A, Jung YY, Rangappa S, Basappa S, 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. *J Adv Res.* 2020 Jul 13;26:83-94. doi: 10.1016/j.jare.2020.07.004. PMID: 33133685; PMID: PMC7584682 (ISSN: 2090-1232; Impact Factor: 6.99; *co-author).
 28. Dukanya, Shanmugam MK, Rangappa S, Metri PK, Mohan S, Basappa, Rangappa KS. Anti-proliferative activity and characterization data on oxadiazole derivatives. *Data Brief.* 2020 Jul 3;31:105979. doi: 10.1016/j.dib.2020.105979. PMID: 32715036; PMID: PMC7369534 (ISSN: 2352-3409; Impact Factor 0.97; *Corresponding Author).
 29. Dukanya, Shanmugam MK, Rangappa S, Metri PK, Mohan S, Basappa, Rangappa KS. Exploring the newer oxadiazoles as real inhibitors of human SIRT2 in hepatocellular cancer cells. *Bioorg Med Chem Lett.* 2020 Aug 15;30(16):127330. doi: 10.1016/j.bmcl.2020.127330. Epub 2020 Jun 11. PMID: 32631535 (ISSN: 0960-894X; Impact factor-2.33; *Corresponding author).
 30. Lee JH, Mohan CD, Shanmugam MK, Rangappa S, Sethi G, Siveen KS, Chinnathambi A, Alahmadi TA, Alharbi SA, Basappa S, Rangappa KS, Ahn KS. Vitexin abrogates invasion and survival of hepatocellular carcinoma cells through targeting STAT3 signaling pathway. *Biochimie.* 2020 Aug;175:58-68. doi: 10.1016/j.biochi.2020.05.006. Epub 2020 May 21. PMID: 32445654. (ISSN 0037-9042; Impact Factor: 3.35; *Corresponding author).
 31. Somu C, Mohan CD, Ambekar S, Dukanya, Rangappa S, Baburajeev CP, Sukhorukov A, Mishra S, Shanmugam MK, Chinnathambi A, Awad Alahmadi T, Alharbi SA, Basappa, Rangappa KS. Identification of a novel 1,2 oxazine that can induce apoptosis by targeting NF- κ B in hepatocellular carcinoma cells. *Biotechnol Rep (Amst).* 2020 Feb 19;25:e00438. doi: 10.1016/j.btre.2020.e00438. PMID: 32140443; PMID: PMC7044713 (ISSN: 2215017X; Impact Factor 4.47; *Corresponding author).
 32. Su W, Matsumoto S, Banine F, Srivastava T, Dean J, Foster S, Pham P, Hammond B, Peters A, Girish KS, Rangappa KS, Basappa, Jose J, Hennebold JD, Murphy MJ, Bennett-Toomey J, Back SA, Sherman LS. A modified flavonoid accelerates oligodendrocyte maturation and functional remyelination. *Glia.* 2020 Feb;68(2):263-279. doi: 10.1002/glia.23715. Epub 2019 Sep 6. PMID: 31490574; PMID: PMC8693768. (ISSN:2509-9396; Impact factor: 5.82).
 33. Malojirao VH, Girimanhanaika SS, Shanmugam MK, Sherapura A, Dukanya, Metri PK, Vigneshwaran V, Chinnathambi A, Alharbi SA, Rangappa S, Mohan CD, Basappa, Prabhakar BT, Rangappa KS "Novel 1,3,4-oxadiazole

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Publication of chapters in Books:

Sl. No	Title with Page Nos	Book title, editor, year	Publishers International / National / Local
1	Microbial Enzymes: Applications and Relevance in Industries, Medicines and	Microbial catalysis	Springer, USA

	Beyond.		
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SELECTED ABSTRACTS

- "Identification of novel small molecules against Heparanase, TFF3 and BAD in hepatocellular carcinoma" Indian Association for Cancer Research, FEBRUARY 5-7, 2020,RCGB, Kerala, INDIA.
- Talk at Nano KSCST, GOK, Bangalore Dec 5-7, 2018
- Talk at 38th annual convention of Indian association of cancer research (IACR), PGIMR Chandigarh, INDIA, 2019
- "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.
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We, the Chancellor, the Vice-Chancellor and the Senate of the University of Mysore do hereby certify that

Basappa

has been admitted to the Degree of

MASTER OF SCIENCE

in Chemistry he having been duly certified to have passed the prescribed examination held in the year 1999, and placed in the First class.



Given under the seal of the University.



[Handwritten signature]

Vice-Chancellor

Mysore

Place and Date of Convocation

No. 828

12-2-02

Date of Issue..... Month/Year May-99 Reg. No. BS-479 Written by Jim Verified by ti Scrutinised by ti

UNIVERSITY OF MYSORE

ಮೈಸೂರು ವಿಶ್ವವಿದ್ಯಾನಿಲಯ



*We, the Chancellor, the Pro-Chancellor, the Vice-Chancellor and
Members of the Syndicate of the University of Mysore
do hereby certify that*

ಮೈಸೂರು ವಿಶ್ವವಿದ್ಯಾನಿಲಯದ ಕುಲಾಧಿಪತಿಗಳು, ಸಮಕುಲಾಧಿಪತಿಗಳು, ಕುಲಪತಿಗಳು
ಹಾಗೂ ಸಿಂಡಿಕೇಟಿನ ಸದಸ್ಯರಾದ ನಾವು

BASAPPA

*has been awarded the Degree of
ಅವರು ನಿಗದಿತ ಪರೀಕ್ಷೆಯಲ್ಲಿ ಉತ್ತೀರ್ಣರಾಗಿರುವುದರಿಂದ*

DOCTOR OF PHILOSOPHY

in

CHEMISTRY



ಡಾಕ್ಟರ್ ಆಫ್ ಫಿಲಾಸಫಿ

on being duly certified to have passed the prescribed examination

ಪದವಿಯನ್ನು ಅವರಿಗೆ ಪ್ರದಾನ ಮಾಡಲಾಗಿದೆಯೆಂದು ಪ್ರಮಾಣೀಕರಿಸುತ್ತೇವೆ

Given under the seal of the University

ವಿಶ್ವವಿದ್ಯಾನಿಲಯದ ಮೊಹರಿನೊಂದಿಗೆ ನೀಡಲಾಗಿದೆ



Date of Convocation 16/01/2006

ಘಟಕೋತ್ಸವದ ದಿನಾಂಕ

Mysore / ಮೈಸೂರು

Sl.No. / ಕ್ರಮ ಸಂಖ್ಯೆ AA N^o 271


Vice-Chancellor
ಕುಲಪತಿ



तार : युनिग्रान्ट्स
Grams : UNIGRANTS
विश्वविद्यालय अनुदान आयोग
बहादुरशाह जफर मार्ग
नई दिल्ली-११०००२
UNIVERSITY GRANTS COMMISSION
BAHADUR SHAH ZAFAR MARG,
NEW DELHI-110002

No.F-12-14/2002 (SR-I)

The Registrar
Mysore University
Mysore-570 005

F 3 JAN 2003

Sub:-Major Research Project undertaken by Dr.K.S.Rangappa,
Dept. of Chemistry -- appointment of -- Project Fellow - reg.

Sir,

With reference to Your letter No.DV.6/6/UGC/2002-03 dated 30.10.2002, on the subject cited above, I am to inform you that the UGC has noted the appointment of Mr.Bagappa as Project fellow @Rs.3600/-p.m. w.e.f. 1. 6.2002 in the above project. He may be paid out of the grant sanctioned earlier.

Yours faithfully,

(Dr.Surender Singh)
Education Officer

Copy to:-

✓ Dr.K.S.Rangappa
Dept. of Chemistry
Mysore University
Mysore-570 005

P Vasudeva
(Promila Vasudeva)
Section Officer

The Indian Science Congress Association



(Professional Body Under Department of Science & Technology
Ministry of Science & Technology, Government of India)

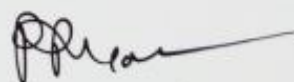
14, Dr. Bireswari Guha Street, Kolkata 700 017

PROF. R. C. SHAH MEMORIAL LECTURE 2017-2018

Dr. Basappa has made seminal contributions to basic or applied chemical biology by developing target-specific small-molecules and their preparation by novel methods. His research contributions towards the structure's and functional studies of glycosaminoglycans and glycomimetics are noteworthy in the field of glycobiology.



Prof. Gangadhar
General Secretary (Membership Affairs)



Prof. P.P. Mathur
General Secretary (Scientific Activities)

March 17, 2018



May 29, 2009

Salundi Basappa, PhD

Dear Dr. Basappa,

We are pleased to inform you that you have been appointed as Research Affiliate in the Harvard-MIT Division of Health Sciences and Technology, for the period February 1, 2009 through January 31, 2010. This is an unsalaried appointment at 10% effort.

Sincerely yours,

David E. Cohen
Director, HST

Ram Sasisekharan
Director, HST



COUNCIL OF SCIENTIFIC & INDUSTRIAL RESEARCH
HUMAN RESOURCE DEVELOPMENT GROUP

UNDERTAKING BY A RESEARCH FELLOW/ASSOCIATE ON ACCEPTANCE
OF THE AWARD OF FELLOWSHIP/ASSOCIATESHIP

I Basappa Son/Daughter/Wife of Sri Basave Gowda (late)
residing at #128, Dhulab, street, C.R. Mohalla, Mysore have been awarded the
Junior/Senior Research Fellowship/Research Associateship of the Council of Scientific & Industrial
Research (hereinafter called Council). I accept the award and undertake that:

- I. During the entire tenure of the Fellowship/Associateship I shall abide by the rules and regulations of the Council.
- II. As a recipient of the Council's Fellowship/Associateship I shall also abide by the rules, discipline of the Institution where I have been given facility to work.
- III. I shall devote full time to research during the tenure of Fellowship/Associateship except as provided in the rules.
- IV. I shall obtain the approval of the Council before accepting any other award or allowance, if offered to me during the tenure of Fellowship/Associateship.
- V. I shall prepare the progress report of my work at the end of each year and communicate it to the Council through the Guide/Supervisor/Faculty Member.
- VI. I shall send two copies of a detailed consolidated report of research work through the Supervisor on termination of the Fellowship/Associateship.
- VII. I also hereby declare that if the results of research are such that can be exploited commercially by taking a patent or otherwise commercial exploitation and patent rights will rest exclusively with the Council (This clause is applicable for the guide also).
- VIII. I have gone through CSIR Terms & Conditions & have clearly understood that the Fellowship is for a fixed period/tenure of 2/3 Yrs. for JRF/SRF i.e. a total of 5 Yrs. for JRF-SRF & 5 Yrs. for Research Associate which is not extendable under any circumstances.
- IX. I further understand clearly that I shall have no claim whatsoever for regular/permanent absorption on expiry of Fellowship/Associateship.



Basappa

Signature of the Research Fellow/Associate

Dr. R. S. Rangappa

Countersigned by the Supervisor/Senior/Faculty Member
with **DR. R. S. RANGAPPA**

Ph.D., D.Sc.
PROFESSOR AND CHAIRMAN
DOS in Chemistry, University of Mysore

Junior/Senior Research Fellow/Research Associateship of the Council of Scientific & Industrial Research

Afternoon of 25th July at 2009 (Department) of Chemistry
University of Mysore Name of University/Institute/College).

Basappa

Signature of the Research Fellow/Associate

Dr. R. S. Rangappa

Signature of the Head of the Dept.
Supervisor/Senior/Faculty Member
with **DR. R. S. RANGAPPA**
Ph.D., D.Sc.

PROFESSOR AND CHAIRMAN
DOS in Chemistry, University of Mysore
Manasagangotri, Mysore - 570 006
INDIA

September 1, 2010

Dear Dr. Basappa,

Letter of Appreciation & Re- Appointment as Chemical Sub Committee Chairman

On behalf of the Life Sciences Institute, I would like to warmly acknowledge and thank you for all the contributions you have made in your current role as a member of the CeLS Safety Committee and as Chairperson of the Chemical Safety Subcommittee from 1st September 2009 till 31st August 2010. I would also like to reappoint you as chairman of the Chemical Safety subcommittee for the CeLS Safety committee with effect from 1st September 2010 to 30th September 2011 to ensure all the chemical safety issues and measures for Centre for Life Sciences are in place.

Yours sincerely,



A/P Gavin Dawe
Chairman,
CeLS Safety Committee,
Life Sciences Institute



Prof. Peter Little
Director
Life Sciences Institute

Cc Dr. Farzad Olfat, Programme Manager, Singapore- MIT Alliance for Research and Technology
Prof Peter Little, Director, Life Sciences Institute



SIDNEY SUSSEX COLLEGE

Dr Basappa, M.Sc., Ph.D
Assistant Professor
Department of Chemistry
Central College Campus
Bangalore University
Dr Ambedkar Veedi
Bangalore-560001
INDIA

salundibasappa@yahoo.co.in

15 October 2012

Dear Dr Basappa

Many congratulations on being selected as a Pavate Fellow. Your Pavate Fellowship is for a four month period from 1 December 2012 to 31 March 2013. It would be very helpful if you could let us know your travel plans, and particularly your confirmed arrival date and estimated time of arrival, once these have been finalised.

During your Fellowship you will be a senior member of Sidney Sussex College, and we are very much looking forward to welcoming you into our academic and social community. You will be provided with accommodation in the College, and will have the dining privileges of a Fellow, which entitles you to nine free meals (lunch or dinner) a week. You may also bring a guest at your own expense. The three most popular nights with Fellows are Wednesdays, Fridays and Sundays. The details of the arrangements for rent and other aspects of your stay are given on the attached sheet.

Your research work will be undertaken within the Department of Chemistry, where Dr Andreas Bender (tel. +44 (1223) 762 983; ab454@cam.ac.uk) will act as your mentor.

One date for your diary will be the first Fellows' dinner at the start of term, on **Friday 18 January**. May I suggest that we meet in **Room C1, Hall Court** at **5.30pm** on **18 January**, so that I can introduce you to the other new Fellows and explain the programme for the evening? There will then be a **Reception** at **7.20pm**, followed by **Dinner** at **7.45pm**. I would be grateful if you could let my PA, Alex Hall, know whether you are able to meet me at 5.30pm and attend the Reception and Dinner.

From the Acting Master: Professor Richard Penty
Sidney Sussex College, Cambridge CB2 3HU

Tel: (+ 44) (0)1223 337033 Email: acting.master@sid.cam.ac.uk
Personal Assistant: Alex Hall Tel: (+44) (0)1223 330868 Email: ah623@sid.cam.ac.uk
Registered Charity No. 1137586



GOVERNMENT OF KARNATAKA



*Sir C V Raman Young Scientist's
State Award*



Dr. Basappa

is awarded

Sir CV Raman Young Scientist's State Award

*for the year 2012 in appreciation and
recognition of his outstanding contribution
in the field of*

Chemical Sciences

on 16th June 2014

P. Balaram
Prof. P Balaram
Director, Indian Institute of Science
and Vice President, KSCST

Siddaramaiah
Sri. Siddaramaiah
Chief Minister
Government of Karnataka
and President, KSCST



Karnataka State Council for Science and Technology
Indian Institute of Science, Bangalore.

独立行政法人 日本学術振興会
JAPAN SOCIETY FOR THE PROMOTION OF SCIENCE

6, Ichibancho, Chiyoda-ku, Tokyo 102-8471

JSPS/FFC8/123

CERTIFICATE

Name: BASAPPA,
Nationality: INDIA
Date of Birth: 25 April 1976

This is to certify that Japan Society for the Promotion of Science (JSPS) awarded the above-mentioned person a fellowship to conduct cooperative research with his host researcher under the JSPS Postdoctoral Fellowship Program.

Host Researcher: Professor Kazuyuki SUGAHARA

Institution: Faculty of Advanced Life Science
Hokkaido University

Term of the Fellowship: 24 months,
from 30 November 2006 to 29 November 2008

The exact amounts are as follows:

Maintenance Allowance: ¥ 392,000 (per month)

Domestic Research Travel Allowance: ¥ 58,500 (per year)

24 September 2008



KATO Hisashi
Head
Overseas Fellowship Division



October 23, 2003

TO WHOM THIS MAY CONCERN

This is to certify that Mr. Basappa, S/O Basave Gowda was in employment with us as Chemist in our R&D department from 06.12.1999 to 04.06.2002.

He resigned from the services of the company to pursue the PhD course.

His Gross emolument at the time leaving the service was Rs.6650/- p.m.

During his tenure with us his performance & conduct was good.

We wish him success in all his future assignments.

For JUBILANT ORGANOSYS LIMITED

S.Nagabhushan
Assistant Manager - Human Resources



Jubilant Organosys Ltd.
#56, Industrial Area
Nanjangud 571 302, Mysore, India
Tel : +91 8221 228402-8 (7 Lines)
Fax: +91 8221 228410/14
www.jubil.com

Corporate Office
6A, Sector 16A,
Noida - 201 301, Uttar Pradesh
Tel : +91 120 2516001-11
Fax: +91 120 2516030
www.jubil.com

Plant Office
Ramanagar, Gurgaon
Gurgaon/Haryana - 124 221

Founded 1841
Incorporated by Royal Charter 1848
Patron Her Majesty the Queen



THIS IS TO CERTIFY THAT

BASAPPA BASAPPA

HAS BEEN ADMITTED AS A

MEMBER

OF

THE ROYAL SOCIETY OF CHEMISTRY

and is entitled to use the designatory letters MRSC

President

A handwritten signature in black ink, appearing to be 'G. Utt', is written below the title 'President'.

Chief Executive

A handwritten signature in black ink, appearing to be 'Helen Fair', is written below the title 'Chief Executive'.

Date of admission

8 February 2022
Membership Number

713773

The certificate is issued subject to the provisions of the Charter and By-Laws
Registered charity number 207890