



BIO-DATA

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3. Institution : Department of Chemistry Karnatak University's Karnatak Science College, Dharwad Karnataka 580001, INDIA
4. Date of Birth : 31-12-1979
5. Gender (M/F/T) : Male
6. Category Gen/SC/ST/OBC : Gen
7. Whether differently abled (Yes/No) : No
8. Academic Qualification (Undergraduate Onwards : M.Sc., Ph.D)

S.No	Degree	University	Year	Subjects	Percentage
1	B.Sc	Karnatak University, Dharwad	2001	Chemistry, Physics and Mathematics	82.75
2	M.Sc	Karnatak University, Dharwad	2003	Organic Chemistry	74.67
3	Ph.D	Karnatak University, Dharwad	2007	Synthetic Organic Chemistry	----

9. Ph.D thesis title, Guide Name, Institute/Organization/University, Year of Award.
Title of Ph.D thesis : "Synthetic studies in heterocycles of biological interest"
Guide Name : Late. Dr. (Smt.) Geeta Manohar Kulkarni
Institute/Organization/University : Karnatak University's Karnatak Science College Dharwad
Year of Award : June 2008

10. Work experience (in chronological order)

S.No	Positions held	Name of the institute	From	To
1	R&D Manager	BenzoChem Industries Pvt. Ltd, Mumbai	2007	2008
2	Postdoctoral Research Fellow	AstraZeneca India Pvt. Ltd, Bangalore	2008	2010
3	Postdoctoral Research Fellow	University of North Florida, USA	2010	2011
4	Assistant Professor	Karnatak University's Karnatak Science College, Dharwad	2011	(September) 2023
5	Associate Professor	Karnatak University's Karnatak Science College, Dharwad	(September) 2023	Till Date

11. Professional Recognition/ Award/ Prize/ Certificate, Fellowship received by the applicant

S.No	Name of Award	Awarding Agency	Year
1	Gold Medal	DMS Mandal's B K College Belgaum	2001
2	SRF for Ph.D	Karnatak University, Dharwad	2003-2007
3	D. S. Bhakuni, Young Scientist Award	Indian Chemical Society, Kolkata	2006
4	D. S. Bhakuni, Young Scientist Award	Indian Chemical Society, Kolkata	2013
5	Award for research publication	Vision group of science and technology (VGST), Govt. of Karnataka	2017
6	Best Research Project Award	Vision group of science and technology (VGST), Govt. of Karnataka	2018

12. Publications (List of papers published in SCI Journals, in year wise Descending order)

Sl.No	List of Publications
74	Imamhusen Jamadar, Athmanand Anchi, Sunita Kurahatti, Vinod S. Jadhav, Shruti S. Malunavar, Rajesh G. Kalkhambkar , Mahaveer D. Kurkuri. Pd-catalysed one-pot and three-component sequential chemoselective double cross-coupling: Synthesis of novel 2-aryl-1,3-azoles from 4-bromophenyl tosylate, <i>Tetrahedron Green Chem</i> 2024, 4, 100051 (1 of 9). https://doi.org/10.1016/j.tgchem.2024.100038
73	Preeti Mulimani, Mahesh P. Bhat, Pravin Patil, Shambhulinga Aralekallu, Ravikumar Kapavarapu, Jingxian Yu f, Mahaveer Kurkuri, Rajesh G. Kalkhambkar . Colorimetric devices for naked-eye detection of Fe ³⁺ and Cu ²⁺ : Optical properties, DFT calculations, and molecular docking studies. <i>Journal of Water Process Engineering</i> 2024, 59, 105030 (1 of 11). https://doi.org/10.1016/j.jwpe.2024.105030
72	Imamhusen Jamadar, Athmanand Anchi, Shruti S. Malunavar, Rajesh G. Kalkhambkar , Suraj M. Sutar, Shrinivas D. Joshi. Ionic liquid Mediated Pd-catalyzed sonochemistry for facile synthesis of carbazoles: Molecular Modelling and antimicrobial studies, <i>Tetrahedron Green Chem</i> 2024, 3, 100038 (1 of 12). https://doi.org/10.1016/j.tgchem.2024.100038
71	AthmanandAnchi, R. G. Kalkhambkar , PavankumarPrabhala, R. S Naik, Abdel Majid A. Adam, Moamen S. Refat,Amnah Mohammed Alsuhaibani,Ghaferah H. Al-Hazmi. A Facile synthesis of Biaryl ketones in recyclable system: Triazenes as new coupling partners in the carbonylative Suzuki and Hiyama cross-coupling reactions using NFSac as CO source <i>ChemistrySelect.</i> 2023, 8, e202300871 (1 of 14). doi.org/10.1002/slct.202300871
70	AthmanandAnchi, PavankumarPrabhala,R. S Naik,Abdel Majid A. Adam, Moamen S. Refat, R. G. Kalkhambkar . Synthesis of Symmetrical Biaryls by Copper-catalysedHomocoupling of Triazenes in Guanidinium IL (GIL). <i>ChemistrySelect.</i> 2023, 8, e202303273 (1 of 12); https://doi.org/10.1002/slct.202303273
69	AthmanandAnchi, R. G. Kalkhambkar ,R. S Naik, S. M. Sutar,Abdel Majid A. Adam, Moamen S. Refat,Amnah Mohammed Alsuhaibani. Tropylium-BF ₄ as Organocatalyst for Microwave-assisted Beckmann rearrangement in [TMG][BF ₄]: One-pot conversion of Ketones to Amides <i>ChemistrySelect.</i> 2023, 8, e202301431 (1 of 12). doi.org/10.1002/slct.202301431
68	AthmanandAnchi, Shruti S Malunavar, Ravi S Naik, R. G. kalkhambkar , Kenneth K. Laali. Aryltriazenes as Coupling Partners in the Hiyama, Hiyama Suzuki and Hiyama-Heck Cross-Coupling Reactions Using Conventional and Ionic Liquid Reagents and Solvents. <i>Eur. J. Org. Chem.</i> 2022; 45: 202201210-202201224. doi:10.1002/ejoc.202201210
67	ShrutiSMalunavar, AthmanandAnchi, Suraj M. Sutar, R G. kalkhambkar , G. L. Borosky, Kenneth K. Laali. <i>N</i> -Ethyltetramethylguanidinium IL [ETMG][EtOSO ₃] as Organocatalyst and Solvent for Facile Amide Synthesis by Formyl-Transfer with <i>N</i> -Formyl-saccharin and Mechanistic Insights. <i>Tetrahedron Letters.</i> 2022; 104: 153990-153997. doi:10.1016/j.tetlet.2022.153990

66	Shruti S. Malunavar, AthmanandAnchi, PavankumarPrabhala, Suraj M. Sutar, KishorkumarSindogi, R. G. kalkhambkar , Moamen S. Refat, AmnahAlsuhaihani. Ultrasonication aided coppercatalyzed facile synthesis of highly functionalized aryl sulphones in gaunidinium ionic liquid (GIL). <i>ChemistrySelect.</i> 2022; 7: e202202033-e202202037.doi:10.1002/slct.202202033
65	AthmanandAnchi, Suraj M. Sutar, R G. kalkhambkar , G. L. Borosky, Kenneth K. Laali Tropylium-BF ₄ as Organocatalyst for Efficient Synthesis of Nitriles from Aldoximes; Synthetic Scope and Mechanistic Insights. <i>ChemistrySelect.</i> 2022; 7: e202202791-e202202800.doi:10.1002/slct.202202791
64	Kang Min Kim, Suraj M. Sutar, R G. kalkhambkar , Moamen S. Refat, AmnahAlsuhaihani Microwave and Ultrasonic-Assisted Synthesis of Highly FunctionlizedCarbazoles and Dibenzofurans from Biaryl-Triazenes Promoted by Acidic ionic Liquid. <i>ChemistrySelect.</i> 2022;7: e202103646- e202103652.doi:10.1002/slct.202103646
63	Shruti S. Malunavar,PavankumarPrabhala,Suraj M. Sutar,RavikumarKapavarapu, R G. Kalkhambkar . Molecular modeling and In vitro antimicrobial evaluation of some 2Aryl-Benzoxazoles/Benzothiazole analogues containing alkyl, alkenyl and alkynyl linkages. <i>Chemical Data Collections.</i> 2022; 39: 100876-100884.doi:10.1016/j.cdc.2022.100876
62	PavankumarPrabhala, Suraj M.Sutar, ManjunathRamaiah, Geeta M. Pawashe, Vivek K. Gupta, LohitNaik, Yeon Tae Jeong, R G. Kalkhambkar . Synthesis, <i>In vitro</i> and theoretical studies on newly synthesized deep blue emitting 4-(<i>p</i> methylphenylsulfonyl-5aryl/alkyl)oxazole analogues for biological and optoelectronic applications Journal of molecular liquids. <i>J. Mol. Liq.</i> 2022; 360: 119520-119537.doi:10.1016/j.molliq.2022.119520
61	PavankumarPrabhala, Suraj M. Sutar, Hemantkumar M. Savanur,Shrinivas D. Joshi, R. G. Kalkhambkar . <i>In vitro</i> Antimicrobial Combat, Molecular Modelling and Structure Activity Relationship Studies of Novel Class of Aryl-ethyne Tethered Coumarin analogues and Some 3-Aryl Coumarin derivatives. <i>European Journal of Medicinal Chemistry Reports.</i> 2022; 3: 100048-100059.doi:10.1016/j.ejmcr.2022.100048
60	PavankumarPrabhala, Suraj M Sutar, Yeon T. Jeong, R. G. Kalkhambkar . Ultrasonication Assisted α -Arylation of <i>N</i> -heteroarenes Employing 1- Aryltriazenes Promoted by BrønstedAcidic Ionic Liquid Under Aerobic Conditions. <i>ChemistrySelect.</i> 2021; 7: e202201428-e202201439.doi:10.1002/slct.202201428
59	Kenneth K Laali, R. G. Kalkhambkar , Suraj M Sutar. Recent Advances in the Synthesis of Diverse Libraries of Small Molecule Building Blocks in Ionic Liquids (ILs). <i>Synlett.</i> 2021; 33: 617-636.doi:10.1055/s-0040-1719852

58	PavankumarPrabhala, Hemantkumar M. Savanur, Suraj M. Sutar, KrishnaNaik, Manojkumar Mittal, R. G. Kalkhambkar . <i>In silico</i> molecular docking and <i>In vitro</i> antimicrobial evaluation of some C5- substituted imidazole analogues. <i>European Journal of Medicinal Chemistry Reports</i> .2021; 3: 100015-100023.doi:10.1016/j.ejmcr.2021.100015
57	Shruti S. Malunavar, Suraj M. Sutar, PavankumarPrabhala, Hemantkumar M. Savanur , G. Aridoss, R. G. Kalkhambkar , Kenneth K. Laali. Facile Synthesis of Libraries of Functionalized Cyclopropanes and Oxiranes Using Ionic Liquids - A New Approach to the Classical Corey- Chaykovsky Reaction. <i>Tetrahedron Letters</i> . 2021; 62: 153339-153348.doi:10.1016/j.tetlet.2021.153339
56	Suraj M. Sutar, R. G. kalkhambkar . Ultrasonic Assisted Facile Synthesis of <i>N</i> -Arylamides Using Nitriles and 1-Aryltriazenes Precursors Promoted by Brønsted Acidic Ionic Liquid under Metal-Free Conditions. <i>ChemistrySelect</i> . 2021; 6: 6548-6556.doi:10.1002/slct.202101855
55	Suraj M. Sutar, HemantkumarSavanur, R. G. Kalkhambkar , Gabriela Borosky, GopalakrishnanAridoss, Kenneth K. Laali. Copper-catalyzed coupling of aryl- ethynes and aryltriazenes to access libraries of 1,2-diketones and their efficacy in synthesis of triaryloxazoles, imidazoles and diaryl-diazepines. <i>ChemistrySelect</i> . 2021; 6: 4741-4749.doi:10.1002/slct.202100505
54	Suraj M. Sutar, Hemantkumar M. Savanur,ChidanandPatil, GopalakrishnanAridoss, R. G. Kalkhambkar . Palladium Catalyzed Electrophilic C2- Arylation of Azoles by Aryltriazenes in Ionic liquid Promoted by Acidic Ionic Liquid. <i>ChemistrySelect</i> . 2020; 5: 12324-12337.doi:10.1002/slct.202002854
53	Suraj M. Sutar, PavankumarPrabhala, Hemantkumar M. Savanur, GopalakrishnanAridoss, R. G. Kalkhambkar , Kenneth K Laali. Ionic liquid catalyzed Ritter reaction/ Pd-catalyzed directed Ortho-arylation; facile access to diverse libraries of biaryl-amides from Aryl-nitriles. <i>Tetrahedron Letters</i> .2020; 61: 152553-152562.doi:10.1016/j.tetlet.2020.152553
52	Suraj M. Sutar, Hemantkumar M. Savanur, ChidanandPatil, Geeta M. Pawashe, GopalakrishnanAridoss, Kan Min Kim, Rajesh G. Kalkhambkar . Synthesis, molecular modelling studies and antimicrobial activity of Coumarin and 1-Azacoumarin linked 1,2,3-Triazole. <i>Chemical data collections</i> . 2020; 28: 100480-100493.doi:10.1016/j.cdc.2020.100480
51	Shruti S. Malunavar, Suraj M. Sutar, PavankumarPrabhala, R. G. Kalkhambkar , Kenneth K. Laali. Ionic liquid-mediated benzoyl transfer- coupling in the Suzuki and Sonogashira reactions and aryl transfer-coupling by decarbonylative Heck reaction, using <i>N</i> - Benzoylsaccharin (NBSac) as reagent. <i>Tetrahedron Letters</i> . 2020; 61: 151987-151992.doi:10.1016/j.tetlet.2020.151987

50	PavankumarPrabhala, Hemantkumar M. Savanur, Suraj M. Sutar, Shruti S. Malunavar, R. G. Kalkhambkar , Kenneth K. Laali. Facile one-pot synthetic access to libraries of diversely substituted 3- arylAlkyl)-coumarins using ionic liquid (IL) or conventional base/solvent, and an IL-mediated approach to novel coumarin-bearing diaryl-ethynes. <i>Tetrahedron Letters</i> . 2020; 61: 1251854-1251860. doi:10.1016/j.tetlet.2020.151854
49	Shruti S. Malunavar, Suraj M. Sutar, Hemantkumar M. Savanur, R. G. Kalkhambkar , Kenneth K. Laali. Facile Access to Diverse Libraries of “Hierarchy” 2-Aryl Benzoxazoles/Benzothiazoles from Readily Accessible Aldimines via Cyclization/Cross Coupling in Imidazolium-ILs with Pd(OAc) ₂ or NiCl ₂ (dppp) as Catalyst. <i>Tetrahedron Letters</i> . 2020; 61: 151509-151514. doi:10.1002/ejoc.201900093
48	Suraj M. Sutar, Hemantkumar M. Savanur, R. G. Kalkhambkar . Synthesis and Molecular modelling studies of coumarin and 1-Aza- Coumarin linked Miconazole analogues and their antimicrobial properties. <i>ChemistrySelect</i> . 2020; 5: 1322-1330. doi:10.1002/slct.201903572
47	Suraj M. Sutar, PavankumarPrabhala, Shruti s. Malunavar, Hemantkumar M. Savanur, R. G. Kalkhambkar , Kenneth K. Laali. 1-Aryltriazenes in the Suzuki, Heck, and Sonogashira Reactions in Imidazolium- ILs, with [BMIM(SO ₃ H)][OTf] or Sc(OTf) ₃ as Promoter, and Pd(OAc) ₂ or NiCl ₂ ·glyme as Catalyst. <i>Eur. J. Org. Chem</i> . 2019; 40: 6088-6093. doi:10.1002/ejoc.201901070
46	Hemantkumar M. Savanur, Shruti S. Malunavar, Suraj M. Sutar, PavankumarPrabhala, R.G. Kalkhambkar , Kenneth K. Laali. Synthesis of diverse libraries of carboxamides via chemoselective Nacylation of amines by carboxylic acids employing Brønsted acidic IL [BMIM(SO ₃ H)][OTf]. <i>Tetrahedron Letters</i> . 2019; 60: 151159-151164. doi:10.1016/j.tetlet.2019.151159
45	PavankumarPrabhala, Hemantkumar M. Savanur, R G. Kalkhambkar , and Kenneth K. Laali. Facile Access to diverse libraries of internal alkynes via sequential iododediazotization/decarboxylative Sonogashira reaction in ILs without ligand or Additive. <i>Eur. J. Org. Chem</i> . 2019; 39: 2061-2064. doi:10.1002/ejoc.201900093
44	Hemantkumar M. Savanur, R. G. Kalkhambkar , Kenneth K. Laali. Libraries of C-5 Substituted Imidazoles and Oxazoles by Sequential Van Leusen (VL)–Suzuki, VL–Heck and VL–Sonogashira in Imidazolium-ILs with Piperidine-Appended-IL as Base. <i>Eur. J. Org. Chem</i> . 2018; 38: 5285-5288. doi:10.1002/ejoc.201800804
43	Hemantkumar M. Savanur, Geeta M. Pawashe, Kang Min Kim, R. G. Kalkhambkar . Synthesis and Molecular Modeling Studies of Coumarin and 1-Aza-Coumarin-Linked Miconazole Analogues and Their Antifungal Activity. <i>ChemistrySelect</i> . 2018; 3: 9648-9653. doi:10.1002/slct.201801408

42	Hemant M. Savanur, Saileja M. Ganapathi, Krishana N. Nayak, R. G. Kalkhambkar . Click chemistry inspired design and synthesis of coumarin and quinolinone linked 1,2,3-triazoles as promising anti-microbial agents. <i>ChemistrySelect</i> . 2018; 3: 5296-5303. doi:10.1002/slct.201800319
41	Hemant M. Savanur, R. G. Kalkhambkar , Kenneth K. Laali. Piperidine-appended imidazolium IIs as task-specific basic IL for Suzuki and Heck reactions and Horner-Emmons-Heck protocols. <i>Applied Catalysis A, General</i> . 2017; 543: 150-161. doi:10.1016/j.apcata.2017.06.015
40	Hemant M. Savanur, R. G. Kalkhambkar , Kenneth K. Laali. [bmim(SO ₃ H)][OTf] / [bmim][X] and Zn(NTf ₂) ₂ /[bmim][X] (X = PF ₆ and BF ₄); efficient catalytic systems for the synthesis of tetrahydropyrimidin-ones (-thiones) via the Biginelli reaction. <i>Tetrahedron Letters</i> . 2016; 57: 3029-3035. doi:10.1016/j.tetlet.2016.05.103
39	Hemant M. Savanur, R. G. Kalkhambkar , Kenneth K. Laali. Pd(OAc) ₂ catalyzed homocoupling of arenediazonium salts in imidazolium ionic liquids : Synthesis of Symmetrical biaryls. <i>Tetrahedron Letters</i> . 2015; 57: 663-667. doi:10.1016/j.tetlet.2015.12.108
38	R. G. Kalkhambkar , Hemant M. Savanur. Highly efficient synthesis of amides from ketoximes using triflic anhydride. <i>RSC Advances</i> . 2015; 5: 60106- 60113. doi:10.1039/C5RA07789C
37	Maruti Naik, A Balachandra S. Bandodkar, R. G. Kalkhambkar . Manoranjan Panda Structure Guided Lead Generation for M. tuberculosis Thymidylate Kinase (Mtb TMK): Discovery of 3-Cyanopyridone and 1,6- Naphthyridin-2-one as Potent Inhibitors. <i>J. Med. Chem</i> . 2015; 58: 753-766. doi:10.1021/jm5012947
36	R. G. Kalkhambkar , G Aridoss, Yeon Tae Jeong. Triflic Anhydride: A Mild Reagent for Highly Efficient Synthesis of 1,2-Benzisoxazoles, Isoxazolo, and Isothiazoloquinolines Without Additive or Base. <i>Synth Commun</i> . 2014; 44: 547-555. doi:10.1080/00397911.2013.821617
35	R. G. Kalkhambkar , G Aridoss, Yeon Tae Jeong. Highly Efficient Synthesis of 1,3-Dioxanes via Prins reaction in Brønsted- Acidic imidazolium Ionic Liquid. <i>Synth Commun</i> . 2014; 44: 762-771. doi:10.4236/ojmc.2012.23011
34	R. G. Kalkhambkar , Geeta M. Kulkarni, J.C.Kadakol, Y.T.Jeong, M.V.Kulkarni. Synthesis, Characterization and antimicrobial studies of benzdipyran analogue of Chloramphenicol. <i>J.Het.Chem</i> . 2013; 50: 1108-1115. doi:
33	R. G. Kalkhambkar , Geeta M. Kulkarni, Manohar V. Kulkarni. A facile One Pot Synthesis of new tricyclic Coumarins from Single Synthons. <i>J.Het.Chem</i> . 2013; 50: 1014-

	1020.doi:10.1002/jhet.1032
32	YuvarajHaldorai, R. G. Kalkhambkar , Jae- Jin Shim. Brønsted-acidic imidazolium ionic liquid [bmim(SO ₃ H)][OTf]-A mild catalyst for highly Efficient synthesis of coumarins. <i>Asian. J. Chem.</i> 2013; 25: 9379-9383. doi:10.1016/j.tetlet.2011.08.077
31	R. G. Kalkhambkar , Kenneth K Laali. Pd(OAc) ₂ catalyzed synthesis of 2-aryl- and 2-heteroaryl-benzoxazoles and benzothiazoles in imidazolium ionic liquids (ILs) without additives and with recycling/reuse of the Ionic Liquid. <i>Tetrahedron Letters.</i> 2012; 53: 4212-4215. doi:10.1016/j.tetlet.2012.05.155
29	Marulasiddaiah. R, R. G. Kalkhambkar , Manohar V. Kulkarni. Synthesis and Biological evaluation of Cyclic imides with coumarins and azacoumarins. <i>Open. J. Med. Chem.</i> 2012; 2:89-97. doi: 10.4236/ojmc.2012.23011
28	R. G. Kalkhambkar , Kenneth K Laali. Pd(OAc) ₂ -catalyzed cross-coupling of polyfluoroarenes with simple Aromatics in imidazolium ionic liquids (ILs) without oxidant and additive and with recycling/reuse of the Ionic Liquid. <i>Tetrahedron Letters.</i> 2011; 52: 5525-5529. doi:10.1016/j.tetlet.2011.08.077
27	R. G. Kalkhambkar , Scott D. Bunge, Kenneth K. Laali. Reaction of trifyl-imidazole with aldoximes: facile synthesis of nitriles and formation of novel aldoximebis(N- trifyl)-imidazole adducts. <i>Tetrahedron Letters.</i> 2011; 52: 5184- 5187. doi:10.1016/j.tetlet.2011.07.135
26	R. G. Kalkhambkar , Kenneth K. Laali. Arenediazonium Salts Immobilized in Imidazolium Ionic Liquids as Electrophilic Partners in the Pd(OAc) ₂ - Catalyzed Matsuda-Heck Arylation. <i>Tetrahedron Letters.</i> 2011; 52: 1733-1737. doi:10.1016/j.tetlet.2011.02.021
25	R. G. Kalkhambkar , Saraha N. Waters, Kenneth K Laali. Highly Efficient Synthesis of Amides via Ritter reaction in Ionic Liquids. <i>Tetrahedron Letters.</i> 2011; 52: 867-871. doi:10.1016/j.tetlet.2010.12.028
24	R. G. Kalkhambkar , Geeta M. Kulkarni, Chandrappa M. Kamanvalli. G. Aridoss. Synthesis and biological activities of novel ethers of quinolinone linked with Coumarins. <i>Monatshefte fur Chemie - Chemical Monthly.</i> 2011; 142: 305-315. doi: 10.1007/s00706-011-0460-3
23	R. G. Kalkhambkar , Geeta M. Kulkarni, G. Aridoss, J C. Kadakol, Y.T. Jeong. Synthesis and Biological studies of some new acrylic acid ethyl esters of quinolinone. <i>Monatshefte fur Chemie - Chemical Monthly.</i> 2012; 143: 1075-1081. doi: 10.1007/s00706-011-0692-2
22	R. G. Kalkhambkar , D. Gayathri, Vivek K. Gupta, Rajni Kant, Yeon Tae Jeong. 1-(3,5-Dichlorophenyl)-

	1H-1,2,3,4- tetrazole. <i>ActaCryst.</i> 2012; E68: o433- o437. doi:10.1107/S1600536812001225
21	R. G. Kalkhambkar , D. Gayathri, Vivek K. Gupta, Rajni Kant, Yeon Tae Jeong. (E)-Ethyl 2-cyano-3-(furan-2yl)acrylate. <i>ActaCryst.</i> 2012; E68: o1482- o1494.doi: 10.1107/S1600536812016510
20	H. Yuvaraj, D. Gayathri, R. G. Kalkhambkar , Geeta M. Kulkarni, R M. Bapset 8-Formyl-4-methyl-2-oxo-2Hchromen- 7-yl-4-methylbenzenesulfonate. <i>ActaCryst.</i> 2011; E67: o1513-o1522.doi: 10.1107/S1600536811018927
19	Haldorai Yuvaraj, S.Sundaramoorthy, D. Velmurugan, R. G. Kalkhambkar . 8-(Hydrazinylidene)methyl]-4-methyl- 2-oxo-2H-chromen-7-yl-4-Methylbenzenesulfonate. <i>ActaCryst.</i> 2011; E67: o323-o330.doi: 10.1107/S1600536810054620
18	Haldorai Yuvaraj, S. Sundaramoorthy, D. Velmurugan, R G. Kalkhambkar. (Z)-2-[2-(4-Methylbenzylidene) hydrazinyl]pyridine. <i>ActaCryst.</i> 2011; E67: o178- o184.doi: 10.1107/S1600536810052372
17	H. Yuvaraj, D. Gayathri, R. G. Kalkhambkar , Geeta M. Kulkarni. 8-Formyl-4-methyl-2-oxo-2Hchromen- 7-yl -4-methylbenzenesulfonate. <i>ActaCryst.</i> 2011; E67: o1510- o1517.doi: 10.1107/S1600536810054620
16	Haldorai Yuvaraj, D. Gayathri, R. G. Kalkhambkar , Vivek K. Gupta. (E)-Ethyl 2-cyano-3-(1H-pyrrol-2- yl) acrylate. <i>ActaCryst.</i> 2011; E67: o2165-o2173.doi: 10.1107/S1600536811028790
15	Haldorai Yuvaraj, S.Sundaramoorthy, D. Velmurugan, R. G. Kalkhambkar . (Z)-2-[2-(4-Methylbenzylidene) hydrazinyl] pyridine. <i>ActaCryst.</i> 2011; E67: o154-o168. doi:10.1107/S1600536810052372
14	Haldorai Yuvaraj, S.Sundaramoorthy, D. Velmurugan, R. G. Kalkhambkar . 8-(Hydrazinylidene)methyl]-4-methyl- 2-oxo-2H-chromen-7-yl-4- Ethylbenzenesulfonate. <i>ActaCryst.</i> 2011; E67: o228-o239. doi:10.1107/S1600536810054620
13	Haldorai Yuvaraj, S.Sundaramoorthy, D. Velmurugan, R. G. Kalkhambkar . 1-(2-Azidoacetyl)-3-methyl-2,6- diphenylpiperidin-4-one. <i>ActaCryst.</i> 2010; E66: o2733-o2741. doi:10.1107/S1600536810039097
12	Haldorai Yuvaraj, S.Sundaramoorthy, D. Velmurugan, R. G. Kalkhambkar . Ethyl 4-(3-bromophenyl)-6-methyl-2- oxo-1,2,3,4-tetrahydropyrimidine-5- carboxylate. <i>ActaCryst.</i> 2010; E66: o3325-o3337.doi:10.1107/S1600536810049019

11	R. G. Kalkhambkar , Geeta M. Kulkarni, R. NagendraRao, H. Shivakumar. Synthesis and Biological studies on Mono and Bis-methylene bridged heterocyclic Sulfides and sulfonescarbostyrils. <i>J. Sulphur. Chemistry</i> . 2009; 30: 596-610.doi:10.1080/17415990903191745
10	R. G. Kalkhambkar , Geeta M.Kulkarni, H.S.Hwang, C. S. Lee. Solid State Confirmation of [2-Chloro-quinolin-3-ylmethylene]-phenylamine. <i>ActaCryst</i> .2008; E64: o258-o269.doi:10.1016/j.ejmech.2007.08.007
09	R. G. Kalkhambkar , Geeta M. Kulkarni, N.Premkumar, C M. Sun. Synthesis and Biological evaluation of some new fluorinated Coumarins and 1-aza coumarins. <i>Eur.J.Med.Chem</i> .2008; 43: 2178-2188.doi:10.1016/j.ejmech.2007.08.007
08	A.V.Shanbhag, T.V.Venkatesha, R.A.Prabhu, R. G. Kalkhambkar , G.M.Kulkarni. The inhibition effects of chloroquinolines on the corrosion of mild steel in HCl. <i>Materials Chemistry and Physics</i> . 2008; 108: 283-289.doi:10.1016/j.matchemphys.2007.09.038
07	R.A. Prabhu, T.V. Venkatesha b, R. G. Kalkhambkar , G.M. Kulkarni. Inhibition effects of some Schiff's bases on the corrosion of mild steel in HCl Solution. <i>Corrosion Science</i> .2008; 50: 3356-3362.doi:10.1016/j.corsci.2008.09.009.
06	A.V.ShanbhagT.V.Venkatesha, R.A.Prabhu, R. G. Kalkhambkar , G.M.Kulkarni. Corrosion inhibition of mild steel in acidic medium using hydrazide derivatives. <i>J. Appl. Electrochem</i> .2008; 38: 279-287.doi: 10.1007/s10800-007-9436-8
05	M.B.Patil, M.V.Kulkarni, R. G. Kalkhambkar , G.M.Kulkarni. A facile Selective and highly efficient method of acylation of amines. <i>Synthetic Communication</i> . 2008; 38: 2929-2940. doi:10.1080/00397910801997538
04	R. G. Kalkhambkar , Geeta M. Kulkarni, C. S. Lee. Crystal Structure of 7-Methyl-4-[(4-fluoro) anilinomethyl] coumarin. <i>Analytical Sciences Japan</i> .2007; 23: x31-x32.doi:10.2116/analscix.23.x31
03	R. G. Kalkhambkar ,GeetaM. Kulkarni, R. NagendraRao, H. Shivakumar. Synthesis and Pharmacological activities of some new TriheterocyclicThiazoles. <i>Eur.J.Med.Chem</i> .2007; 42: 1272-1276.doi:10.1016/j.ejmech.2007.01.023
02	R. G. Kalkhambkar , Geeta M. Kulkarni, H.S.Hwang , C. S. Lee. Crystal Structure of 4-[(4-formyl) phenoxyethyl] carbostyril. <i>Analytical Sciences Japan</i> . 2007; 23: x145- x146. doi:10.2116/analscix.23.x145
01	A.V.Shanbhag, R.A.Prabhu, G.M.Kulkarni, R. G. Kalkhambkar , T.V.Venkatesha. Inhibition effect of some imines on the corrosion of mild steel in HCl. <i>Ind.J.Chem.Technol</i> . 2007; 14: 584-

591. doi:10.1007/s10800-007-9436-8

13. Books/Reports/Chapters/General articles etc. 01 (Karnatak University Dharwad)

Sl. No.	Book title, editor, year	Publishers International / National / Local	First / Corresponding author	Coauthor
01	Experiments in Chemistry, 2021, ISBN: 978-93-83890-71-2	Karnatak University Press	Author	02
Total = 01				

14. Invited Lectures / Papers in national / international conferences

Sl. No.	Title with Page Nos	International / National / State or University	First / Corresponding author	Coauthor
1	Empowering Diversity in Science (GWP-2022) By ACT-Mumbai and IUPAC, Global womens Breakfast 16 th Feb 22	International	Rajesh G. Kalkhambkar	--
2	Fundamentals and applications of flow chemistry 4 th March 2022	International	Rajesh G. Kalkhambkar	--
3	Recent Trends in Nano Science and Technology, 5 th Feb 2022	International	Rajesh G. Kalkhambkar	--
4	Synthesis of some symmetrical biaryls in ILs in National conference on Advances in Analytical techniques (AATMAABIMAN-2022) to be held at Rani Channamma University Belagavi during 15-16 th Dec 2022	National	Rajesh G. Kalkhambkar	--
5	Emerging Trends in Nanoscience and Nanotechnology 6-7 th Aug 2021	International	Rajesh G. Kalkhambkar	--
6	Sustainable and Futuristic Materials 29-30 th Nov 2021	International	Rajesh G. Kalkhambkar	--
7	1HNMR Spectroscopy and its applications 11 th Jan 2021	national	Rajesh G. Kalkhambkar	--

8	Microwave assisted amination in the synthesis of N-arylamides in IL on progress of science and technology during pandemic 11-12 th Sept 2021	International	Rajesh G. Kalkhambkar	Pavankumar prabhala
9	Steps towards complex matter: chemistry 7 th Sept 2020	National	Rajesh G. Kalkhambkar	--
10	Frontier research in chemical sciences 10-12 th Sept 2020	International	Rajesh G. Kalkhambkar	--
11	New horizon of Bioinspired Nano-Chemistry 23 rd July 2020	National	Rajesh G. Kalkhambkar	--
12	Electrochemical Microsystems for Bioanalysis 18 th Dec 2020	National	Rajesh G. Kalkhambkar	Pavankumar prabhala
13	Advancement in chemical sciences towards COVID-19 12-13 th June 2020	International	Rajesh G. Kalkhambkar	--
14	Ionic liquid mediated palladium catalyzed regioselective synthesis of Biarylamides through decarbonylative arylation of phthalimides 2018	National	Rajesh G. Kalkhambkar	Suraj M Sutar
15	Pd(OAc) ₂ catalysed homocoupling of arenediazonium salts in ionic liquids : Synthesis of Symmetrical biaryls at RSC-International work shop in Chemistry for tomorrow's world at Delhi University New Delhi in December 2015. pp 20-21	International	Rajesh G. Kalkhambkar	Hemant M. Savanur
16	"highly efficient synthesis of amides from ketoximes using Trifluoromethanesulfonic anhydride" at UGC New Delhi sponsored, National conference in Present Scenario of Chemical Sciences and its Technological Perspectives at Department of chemistry Karnatak Science College, Dharwad in October 2014 pp. 31-32,	National	Rajesh G. Kalkhambkar	Hemant M. Savanur
17	"Trifluoromethanesulfonic Anhydride a mild and efficient reagent for highly efficient synthesis of nitriles from aldoximes and amides from ketoximes" at 50 th annual convention of chemists organized by Indian chemical society Kolkata at Punjab university Chandigarh in December 2013. pp. 63-64,	International	Rajesh G. Kalkhambkar	--
18	Highly Efficient Synthesis of 1,3-Dioxanes via Prins reaction in Brønsted-acidic imidazolium Ionic Liquid at international conference in "Chemical Constellation Cheminar - 2012 (CCC-2012)" at Department of Chemistry, National Institute of Technology, Jalandhar, Punjab INDIA on 10-12 th September 2012. pp. 40-41,	International	Rajesh G. Kalkhambkar	--

15. Ongoing / Completed Projects:

Sl. No.	Title	Agency	Period	Grant/ Amount (Rs. In Lakhs)
05	“Investigation of novel strategies for the selective fluorination towards the synthesis of fluorinated bioactive molecules in designer solvents (TSILs)”	KSTePS-VGST-Govt of Karnataka	2024-2026 (On Going)	40,00,000/- (On Going)
04	“Design and synthesis of highly functionalized coumarin chromophores as plausible fluorescent probes”	PMEB-KUD	2021-2022	50,0000/-
03	“Design and synthesis of coumarin and 1- azacoumarin linked miconazole analogues as novel ‘Drug-Like’ molecules”	VGST-Govt of Karnataka	2017-2018	5,00,000/-
02	“Synthesis of novel room temperature ionic liquids as dual solvents / catalyst for organic synthesis”	UGC-MRP	2016-2018	4,90,000/-
01	Synthesis and structural modification of coumarin and quinolinone linkedazole derivatives as novel ‘drug like’ molecules	SERB-New Delhi	2015-2018	22,30,000/-

Note: Projects from Sl.No 1 to 4 are successfully completed by Dr R G. Kalkhambkar

16. Research Guidance:

Sl. No.	Number Enrolled	Thesis Submitted	Degree Awarded
M.Phil.	00	00	00
Ph.D.	10	00	04
Total ---- 10			

Membership (Research):

1. Life member of The Indian Science Congress Association, Kolkata Memb No. L27126
2. Research collaboration with Universities and Institutes of USA, South Korea and Dubai.

Membership (Academic):

1. BOS-UG Chemistry-KUD (2022-2023)
2. BOE-UG Chemistry-KUD (2012-2020)
3. BOE-UG Chemistry-PC Jabin Science College Huballi (Autonomous) (2019-2023)
4. BOA-UG Chemistry-BK College, Belgaum (2019-2020) affiliated to Rani Channama University Belagavi

Other Academic/Administration work:

1. NCC Officer (ANO-Lt), 1/24 coy NCC K.Sc.C.D (2012-2019)
2. Chairman Anti-Ragging Committee (2018-2024)

3. Chairman Madam Curie Chemistry Study Circle (2012-2013) 1st Time and (2022-2023) 2nd time
4. Coordinator (Department of Biotechnology) (2019-2021)
5. Organizing Secretary- International webinar on Recent Innovations in Chemical Sciences 4-5 December 2020
6. Organizing Secretary- International webinar on Emerging Innovations in Biotechnology 17th December 2020
7. Member-IQAC Cell (2019-2021)
8. Chairman, NAAC Criterion-1 2022-2023
9. Course Coordinator (Certificate Course on Biochemical Techniques) (2018-2023)
10. Member, National conference in Present Scenario of Chemical Sciences and its Technological Perspectives at Department of chemistry Karnatak Science College, Dharwad October 2014
11. Chairman, College Gymkhana-Sports (2021-2024)