Name : **Dr. G. K. NAGARAJA**

Date of Birth : 20-07-1976

Designation : Associate Professor

Address (0ffice) : Dr. G. K. Nagaraja
Associate Professor
Dept of Chemistry,
Mangalore University
Mangalagangothri
Mangalore-574 199
E-mail: nagarajagk@gmail.com
Mobile: +919901177044
Phone : 0824-2888636

Qualifications:

Degree / Diploma	University	Year	Subjects
B.Sc.	Kuvempu University	1998	P C M
M.Sc	Kuvempu University	2000	Chemistry
Ph.D.	Kuvempu University	2007	Chemistry (Organic Chemistry)
CSIR-JRF/NET	UGC/CSIR	2000	Chemical Sciences
GATE	GATE	2001	Chemistry
Post Doc at University of California USA during 2013 to 2014			

Publications

Sr. No	PAPER
1	**Gundibasappa K Nagaraja**, Marlingaplara N Kumarswamy, Vijayavittala P Vaidya & Kittappa M Mahadevan (2006). *Microwave assisted synthesis of naphtho[2,1-b]furan-1,3,4-benzotriazepines: A potent antimicrobial agent.* ***ARKIVOC***, (X), 211-219.
2	**Gundibasappa K Nagaraja**, Vijayavittala P Vaidya, Koodamara Sheshappa Rai & Kittappa M Mahadevan (2006). *An efficient synthesis of 1,5-thiadiazepines & 1,5-benzodiazepines by microwave assisted Heterocyclization*. ***Phosphorus, Sulfur and***

	Silicon and the Related Elements, 181, 2797-2806.
3	**G. K. Nagaraja**, G. K. Prakash, V. P.Vaidya & K. M. Mahadevan (2006).*Microwave Assisted synthesis of novel 5-aryl-1,2,4-trizolo[3,4-b] [1,3,4] thiadiazepino[3,2-f] quinolines: A potent antimicrobial agents.* ***Indian J of Heterocyclic Chem***, 15, 311-312.
4	**G. K. Nagaraja**, M. N. Kumarswamy & K. M. Mahadevan (2006*). Synthesis of novel naphtho[2,1-b]furopyrazoles as antimicrobial agents.* ***Indian J of Heterocyclic Chem***, 16, 89-90.
5	Mahadevaiah, T. Demappa & **G. K. Nagaraja** (2006). *Polymerization of Acrylonitrile initiated by Ce(IV)-Tartaric acid redox system: A kinetic study.* ***Journal of Saudi Chemical Society,*** 10, 311-312.
6	**Gundibasappa K Nagaraja**, Gowdara K. Prakash, Nayak D. Satyanarayan, Vijayavittala P Vaidya & Kittappa M Mahadevan (2006). *Synthesis of novel 2-aryl-2,3dihydronaphtho[2,1-b]furo[3,2-b]pyridin-14(1H)-ones of biological importance.* ***ARKIVOC***, (XV) 142-152**.**
7	**Gundibasappa K Nagaraja**, Gowdara K. Prakash, Marlingaplara N Kumarswamy, Vijayavittala P Vaidya & Kittappa M Mahadevan (2006). *Synthesis of novel nitrogen containing naphtho[2,1-b]furan derivatives and investigation of their antimicrobial activities.* ***ARKIVOC***, (XV) 160-168.
8	G. K. Nagaraja, T. Demappa & Mahadevaiah (2008). *The Study of Free Radical Polymerization of Acrylonitrile by Oxidation Reduction System using Potassium Persulphate- Thiourea in Aqueous Medium. Journal of Applied Polymer Science,* 110, 3395-3400.
9	Nagendra Prasad M. N. Vivek H. K. Ashwini Prasad, Shrythi.T., Shankara Bhat S, **Nagaraja G. K.** & Nanjunda Swamy S (2010). *Antifungal activities of novel synthetic compounds against Phomopsis azadirachtae-the causative agent of die-back disease of neem.* ***Journal of chemical and Pharmaceutical Research,*** 2, 567-574.
10	**G. K. Nagaraja,** T. Demappa & Mahadevaiah (2011). *Polymerization Kinetics of Acrylonitrile by Oxidation:Reduction System Using Potassium Persulfate/Ascorbic Acid in an Aqueous Medium.* ***Journal of Applied Polymer Science,*** 121, 1299–1303.
11	H. K. Fun, M. Hemamalini, D. J. Prasad, **G. K. Nagaraja** & V. V. Anitha (2011). *6-(4-*

	Chlorophenyl)-2-isobutylimidazo[2,1-b][1,3,4]thiadiazole. ***Acta Cryst****.* E67, o207.
12	H. K. Fun, V. Sumangala, **G. K. Nagaraja**, B. Poojary & S. Chantrapromma (2011). *Benzyl N-{2-[5-(4-chlorophenyl)-1,2,4-oxadiazol-3-yl]propan-2-yl}carbamate.* ***Acta Cryst****.* E67, o420-o421.
13	W. S. Loh, H. K. Fun, R. Kayarmar, S. Viveka & **G. K. Nagaraja** (2011). *4-Chlorobenzaldehyde (1-isobutyl-1H-imidazo[4,5-c]quinolin-4-yl)hydrazone monohydrate*. ***Acta Cryst****.* E67, o407-o408.
14	W. S. Loh, H. K. Fun, R. Kayarmar, S. Viveka & **G. K. Nagaraja** (2011). *4-Hydrazinyl-1-isobutyl-1H-imidazo[4,5-c]quinoline.* ***Acta Cryst.*** E67, o406.
15	W. S. Loh, H. K. Fun, R. Kayarmar, S. Viveka & **G. K. Nagaraja** (2011). *1- Isobutyl-N,N-dimethyl-1H-imidazo[4,5-c]quinolin-4-amine.* ***Acta Cryst.*** E67, o405.
16	H. K. Fun, S. Chantrapromma, V. Sumangala, **G. K. Nagaraja** & B. Poojary (2011). *1-{4-Chloro-2-[2-(2-fluorophenyl)-1,3-dithiolan-2-yl]phenyl}-2-methyl-1H-imidazole-5-carbaldehyde.* ***Acta Cryst****.* E67, o496-o497.
17	H.-K. Fun, M. M. Rosli, D. J. M. Kumar, D. J. Prasad & **G. K. Nagaraja** (2011). *2-Methyl-6-(trifluoromethyl)imidazo[1,2-a]pyridine-3-carbonitrile.* ***Acta Cryst****.* E67, o573.
18	H.-K. Fun, C. K. Quah, S. Viveka, D. J. Madhukumar & **G. K. Nagaraja** (2011). *2-[(E)-(2,4-Dimethylphenyl)iminomethyl]phenol*. ***Acta Cryst****.* E67, o1933.
19	H. K. Fun, T. Shahani, Dinesh, R. Kayarmar & **G. K. Nagaraja** (2011). *3-[(1-Isobutyl-1H-imidazo[4,5-c]quinolin-4-yl)amino]benzoic acid*. ***Acta Cryst.*** E67, o2150.
20	Prabhuswamy Mallappa, Sandeep Sadanand Laxmeshwar, Madan Kumar Shankar, Manjula Mallappa, Ranganathan Sathish Kumar**, Gundibasappa K. Nagaraja** & Neratur K. Lokanath (2011). *Synthesis, Characterization and Crystal Structure of 8–methoxy–2–methylquinoline–4–ol: a Window into the World of Quinoline Modifications.* ***Structural Chemistry Communications,*** 2, 114-117**.**
21	H.-K. Fun, C. K. Quah, S. Viveka, D. J. Madhukumar & **G. K. Nagaraja** (2011). *2-[(E)-(2,4,6-Trichlorophenyl)iminomethyl]phenol*. ***Acta Cryst****.* E67, o1934.
22	H.-K. Fun, S. Arshad, Dinesh, S. Vivek & **G. K. Nagaraja** (2011). *1-(tert-Butoxycarbonyl)piperidine-4-carboxylic acid*. ***Acta Cryst****.* E67, o2215.
23	H.-K. Fun, S. Arshad, Dinesha, S. Laxmeshwar & **G. K. Nagaraja** (2011). *Bis(4-*

	fluoroanilinium) sulfate. ***Acta Cryst****.* E67, o2408.
24	H.-K. Fun, W.-S. Loh, Dinesha, R. Kayarmar & **G. K. Nagaraja** (2011). *1-Isobutyl-4-methoxy-1H-imidazo[4,5-c]quinoline.* ***Acta Cryst****.* E67, o2331.
25	H.-K. Fun, W.-S. Loh, R. Kayarmar, Dinesha & **G. K. Nagaraja** (2011). *(E)-4-Phenylbutan-2-one oxime.* ***Acta Cryst****.* E67, o2332.
26	H.-K. Fun, T. S. Chia, R. Kayarmar, Dinesha & **G. K. Nagaraja** (2011). *2-Azido-1-(3,6-dichloro-9H-fluoren-1-yl)ethanone*. ***Acta Cryst****.* E67, o2656-o2657.
27	H.-K. Fun, M. Hemamalini, V. Sumangala, **G. K. Nagaraja** & B. Poojary (2011). *N'-(4-Fluorobenzylidene)-2-(4-fluorophenyl)acetohydrazide*. ***Acta Cryst****.* E67, o2835.
28	S. Laxmeshwar, S. Viveka, D. J. Madhukumar, & **G. K. Nagaraja** (2012***).*** *Preparation and Properties of Biodegradable Film Composites Using Modified Cellulose Fibre-Reinforced with PVA.* ***ISRN Polymer Science,*** 2012, Article ID 154314, 8 pages.
29	S. Laxmeshwar, S. Viveka, D. J. Madhukumar, & **G. K. Nagaraja** (2012*). Preparation and Characterization of Modified Cellulose Fiber-Reinforced Polypyrrolidone Film Composites.* ***Inventi Rapid: Pharm Tech***., Vol. 2012, Issue 2.
30	S. Laxmeshwar, S. Viveka, D. J. Madhukumar, & **G. K. Nagaraja** (2012*). Preparation and properties of composite films from modified cellulose fibre- reinforced with PLA.* ***Der Pharma Chemica,*** 159-168**.**
31	S. Laxmeshwar, S. Viveka, D. J. Madhukumar, Dinesha, R. F Bhajanthri, & **G. K. Nagaraja** (2012*). Preparation and Characterization of Modified Cellulose Fiber-Reinforced Polyvinyl Alcohol/Polypyrrolidone Hybrid Film Composites.* ***Journal of Macromolecular Science, Part A: Pure and Applied Chemistry,*** 49, 639–647.
32	S. Laxmeshwar, S. Viveka, D. J. Madhukumar, Dinesha, G. R. Sunil, & **G. K. Nagaraja** (2012). *Preparation and Characterization of Hybrid Green Composite From Modified Cellulose Fiber with PVA and PLA.* ***Inventi Rapid: Pharm Tech,*** 2012, Article ID" Inventi:ppt/545/12.
33	S. Viveka, Dinesha, S.S. Laxmeshwar & **G.K**. **Nagaraja,** (2012)**.** *Ethyl 7-Methyl-5-(4-methylphenyl)-3-oxo-2-{[3-(3,4-dichlorophenyl)-1-phenyl-1H-pyrazol-4-yl]methylidene}-2,3-dihydro-5H-[1,3]thiazolo[3,2-a]pyrimidine-6-carboxylate.* ***Molbank*** , M776

34	H.K. Fun, W.S. Loh, S. Viveka, Dinesha & **G. K. Nagaraja** (2012). *2-(4-Methoxyphenyl)-2-oxoethanaminium chloride*. ***Acta Cryst.*** E68, o2987.
35	H.-K. Fun, W.-S. Loh, M. Bhat, T. Arulmoli & **G. K. Nagaraja** (2012). *(2E)-1-[2,3-Dichloro-6-methyl-5-(trifluoromethyl)phenyl]-2-(1-henylethylidene)hydrazine.* ***Acta Cryst***. E68, o3189.
36	Dinesha, S. Viveka, , S.S. Laxmeshwar, **G. K. Nagaraja,** (2012)**.** *1-{4-[(1-Isobutyl-1H-imidazo[4,5-c]quinolin-4yl)amino]phenyl}ethanone*. ***Molbank*** , M788.
37	H.K. Fun, Chin Wei Ooi, Dinesha, S. Viveka & **G. K. Nagaraja** (2013). *(Z)-N-[2-(N-Hydroxycarbamimidoyl)-phenyl]acetamide*. ***Acta Cryst***. E69, o370-o371.
38	M. Prabhuswamy, S. Viveka, S. Madan Kumar, **G. K. Nagaraja** & N. K. Lokanatha (2013). *4-(4.5-Diphenyl-1H-imidazol-2-yl)-N,N-dimethylaniline*. ***Acta Cryst***. E69, o1006.
39	R. Kayarmar, **G. K. Nagaraja**, M. Bhat, P. Naik, K. P. Rajesh, S. Shetty, T. Arulmoli (2013). *Synthesis of azabicyclo [4.2. 0] octa-1, 3, 5-trien-8-one analogues of 1H-imidazo [4, 5-c] quinoline and evaluation of their antimicrobial and anticancer activities*. ***Med. Chem. Res.*** 23, 2964-2975.
40	S. Viveka, M. Prabhuswamy, Dinesha, N. K. Lokanatha & **G. K. Nagaraja** (2014). *Synthesis, Crystal Structure, and Characterization of New 2,4,5-Triphenyl Imidazole: 4,5-Diphenyl-2-(3,4,5-trimethoxyphenyl)-1H-imidazole*. ***Mol. Cryst. Liq. Cryst,*** 588, 83-94.
41	S. Viveka, M. Prabhuswamy, Dinesha, N. K. Lokanatha & **G. K. Nagaraja** (2013). *Synthesis, Characterization, Crystal Structure and Antimicrobial Evaluation of 2-(4-Methylphenyl)-2-oxoethyl Isonicotinate*. ***Journal of Single Molecule Research***, 1, 19-24.
42	M. Prabhuswamy, Dinesha, S. Madan Kumar, **G. K. Nagaraja**, and N. K. Lokanath (2013). *Synthesis, Crystal Structure and Characterization of (Z)-2-N'-hydroxyisonicotinamidine*. ***Mol. Cryst. Liq. Cryst***, 593, 243-252.
43	S. Viveka, M. Prabhuswamy, Dinesha, N. K. Lokanatha & **G. K. Nagaraja** (2014). *Synthesis Characterization and Crystal Structure of 2-(3,4,5-trimethoxyphenyl)-1-(4-fluorophenyl)-4,5-diphenyl-1H-imidazole*. ***Mol. Cryst. Liq. Cryst***, 593, 261-270.
44	Dinesha, S. Viveka, P. Naik, **G. K. Nagaraja** (2014)**.** *Synthesis, characterization of new imidazoquinonyl chalcones and pyrazolines as potential anticancer and antioxidant*

	agents. ***Med. Chem. Res.*** 23, 4189-4197.
45	Dinesha, S. Viveka, S. Chandra, **G. K. Nagaraja** (2015)**.** *Synthesis, characterization, and pharmacological screening of new 1,3,4-oxadiazole derivatives possessing 3-fluoro-4-methoxyphenyl moiety*. ***Monatsh. Chem. Chem. Mon.*** 146, 207-214.
46	S. Raghu, Subramanya Kilarkaje, Ganesh Sanjeev, **G. K. Nagaraja**, H. Devendrappa (2014). *Effect of electron beam irradiation on polymer electrolytes: Change in morphology, crystallinity, dielectric constant and AC conductivity with dose*. ***Radiat. Phys. Chem.*** 98, 124-131.
47	R. Kayarmar, **G. K. Nagaraja**, P. Naik, H. Manjunatha, B. C. Revanasiddappa, T. Arulmoli (2014). *Synthesis and characterization of novel imidazoquinoline based 2-azetidinones as potent antimicrobial and anticancer agents.* ***Journal of Saudi Chemical Society,*** (Accepted, July 2014).
48	M. Prabhuswamy, Dinesha, M.M.M. Abdoh, K.J. Pampa, S. Madan Kumar, **G.K. Nagaraja**, N.K. Lokanath (2015). *Synthesis, Crystal Structure and Characterization of (Z)-2-(3-chlorophenyl)-N'-hydroxyacetamidine.* ***Mol. Cryst. Liq. Cryst***, 606, 189-198.
49	Dinesha, M. Prabhuswamy, Shivapura Viveka, N.K. Lokanath, **G.K. Nagaraja** (2014). *Synthesis, Characterization and Crystal Structure of (1Z)-2-(3-chlorophenyl)-N'-{[(3-fluoro-4 methoxy phenyl)carbonyl]oxy}ethanimidamide.* ***Journal of Single Molecule Research,*** 2, 27-33.
50	S. Viveka, Dinesha, L.N Madhu, **G. K. Nagaraja** (2015)**.** *Synthesis of new pyrazole derivatives via multicomponent reaction and evaluation of their antimicrobial and antioxidant activities*. ***Monatsh. Chem. Chem. Mon.*** (Accepted March 2015).
51	**G. K. Nagaraja**, R. Kayarmar, M. Bhat, S.K. Peethambar, T. Arulmoli (2014). Antioxidant and Metal Chelating Activities of some Novel Imidazoquinolie Incorporated [1,2,4]-Triazolo Heterocycles. ***Journal of Pharma Research,*** 3, 23-25.
52	R. Kayarmar, **G. K. Nagaraja**, S.K. Peethambar, M. Bhat, T. Arulmoli (2014). *Antioxidant and Metal chelating Activities of Some Novel Phenothiazine incorporated Tetrazole Heterocycles.* ***Journal of Applicable Chemistry,*** 3, 422-425.

Research Scholars working

Sl No	Name	Guide	Title Ongoing/Awarded	Ongoing/ Awarded
1	Sandeep S. Laxmeshwar	G.K. Nagaraja	Synthesis of polymeric film composite and their mechanical characterization	Awarded
2	Reshma Kayarmar	G.K. Nagaraja	**Design, synthesis and evaluation of novel nitrogen heterocycles of biological importance**	Ongoing
3	Dinesha	G.K. Nagaraja	Synthesis and biological activity of some N and S containing heterocycles.	Ongoing
4	Viveka. S.	G.K. Nagaraja	Synthesis characterization and biological evaluation of some pyrazole based heterocycles	Ongoing
5	Manjunatha Bhatt	G.K. Nagaraja	Studies on synthesis, characterization and biological evaluation of some five member containing heterocycles.	Ongoing
6	Shwetha H C	G.K. Nagaraja	Physicochemical, Mechanical & Morphological Studies of Modified Cellulose Reinforced Biocomposites	Ongoing
7	Sareen sheikh	G.K. Nagaraja	Preparation and characterization of natural fibre Reinforced Biocomposites films	Ongoing
8	Santosh R	G.K. Nagaraja	Synthesis, characterization and pharmacological evaluation of the novel heterocycles containing two or more hetero atoms and fused ring systems	Ongoing
9	Sharanya kuthyala	G.K. Nagaraja	Studies on design, synthesis, characterization of some novel heterocyclic compounds and their pharmacological activities	Ongoing

Nature and type of research

1) Organic synthesis
2) Heterocyclic and medicinal chemistry
3) Domino and multi-component reactions
4) Polymeric film composite

Member ship of professional bodies

1) Life member (LF-903) in Indian Council of Chemist.
2) Life member (LM-556) in society for materials chemistry.

Life member (LM-380) in Asian Polymer Association.