Name	**Dr. Manjunatha S. Katagi**			
Designation	**Associate Professor**			
Date of Birth (DD/MM/YYY)	**14/05/1981**			
Residential Address	**C/O. KMC Suresh, #1976/8A, MCC A Block, Near Ashraya hospital, Davangere-577004**			
Contact No.	Landline (Home): --------			Landline (Office):08192-221459
	Fax: 08192-222561			Mobile:9886499160
E-mail	**manju_mpharm@rediffmail.com**			
Qualification	**Year of Passing**	**First Class/Second Class**	**University**	**Field of specialization**
D. Pharm	2000	First Class	Board of Examining authority, Bangalore	Pharmacy
B. Pharm	2004	First Class	RGUHS, Bangalore	Pharmacy
M. Pharm	2007	Distinction	RGUHS, Bangalore	Pharmaceutical chemistry
Ph.D.	2017	----------	Nitte University, Mangalore	Pharmaceutical Sciences
Date of Joining institution	**06/08/2007**			

Experience

Designation	**From**	**To**	**Total**	
			Years	**Months**
Lecturer	06/08/2007	05/08/2013	06	00
Senior lecturer	06/08/2013	31/08/2015	02	00
Assistant Professor	01/09/2015	30/09/2019	04	02
Associate Professor	01/10/2019	Till date	04	07
APTI Registration No.	**KA/LM-906**	**Date of Registration**		**2011**
KSPC Registration No.	**30643**	**Date of Registration**		**2002**

Research Grants				
Year	**Funding agency**	**Title of project**	**Amount in Rs.**	**Ongoing/ Completed**
2022	RGUHS, Bangalore (**Principal Investigator**)	In Silico approach to development and synthesis of oxime derivatives to reactivate Acetylcholinesterase inhibited by Organophosphorus compounds.	**3,50,000/-**	**Ongoing**
2019	RGUHS, Bangalore (**Co-Investigator**)	Design, Synthesis, Characterization of quinalino oxadiazoles for their *in vitro* antitubercular activity.	**2,00,000/-**	**Completed**
2016	RGUHS, Bangalore (**Principal Investigator**)	Development of oxime derivatives as an Potential antidote for organophosphorus poisoning.	**2,50,000/-**	**Completed**
2016	RGUHS, Bangalore (**Principal Investigator**)	Development of natural products from traditional drugs as novel anticancer agent	**1,50,000/-**	**Completed**
2016	RGUHS, Bangalore (**Co-Investigator**)	Design and Development of clinical candidate Photress analogues: as Anti-Cancer Agent	**3,50,000/-**	**Completed**

Publications:

1. H. Maruthesh, **Manjunatha S. Katagi** and B. P. Nandeshwarappa. Versatile Approach for the Synthesis, Characterization, and Bioassay of Novel 3-(1-Acetyl-5-substituted phenyl-4,5-dihydro-1H-pyrazol-3-yl)-4-hydroxy-1-methyl/phenylquinolin-2(1H)-one Derivatives**.** Russian Journal of Bioorganic Chemistry, 2023, Vol. 49, No. 5, pp. 1059–1067.
2. C.H. Praveen Kumar, **S. Katagi Manjunatha** and B.P. Nandeshwarappa. Synthesis of novel pyrazolic analogues of chalcones as potential antibacterial and antifungal agents. Current Chem. Let. Vol. 12, 2023, 613-22.
3. H. Maruthesh, **Manjunatha S. Katagi** and B. P. Nandeshwarappa. A convenient synthesis, characterization and biological evaluation of novel schiff base heterocycles as potential antimicrobial, antitubercular agents and their structural activity relationship. Current Chem. Let. Vol. 12, 2023, 759-68.
4. C.H. Praveen Kumar, **Manjunatha S. Katagi,** Johnson Samuel and B.P. Nandeshwarappa. Synthesis, Characterization and Structural Studies of Novel Pyrazoline Derivatives as Potential Inhibitors of NAD+ Synthetase in Bacteria and Cytochrome P450 51in Fungi. Chemistry Select 2023, 8, e202300427,1-15.
5. Sujatha L. Motebennur, Belakatte P. Nandeshwarappa and **Manjunatha S. Katagi.** Drug Candidates for the Treatment of Alzheimer's Disease:New Findings from 2021 and 2022. Drugs and Drug Candidates **2023**, 2, 571–590.
6. M. Suchitra, Kusuma Praveen Kumar, **Manjunath S. Katagi**, Garla Venkateswarlu, P Sree Mahalakshmi. HDAC inhibitors: A novel approach to hyperglycaemia management and treatment. Health Sciences Review 9 (2023) 100137.

7. H. Maruthesh, **Manjunatha S. Katagi**, Johnson Samuel, Ravindranath H. Aladakatti, and B. P. Nandeshwarappa. Synthesis and Characterization of Substituted 5-(2-Chloroquinolin-3-yl)-1,3,4-oxadiazole-2-amines: Computational, In Silico ADME, Molecular Docking, and Biological Activities. Russian Journal of Bioorganic Chemistry, 2023, Vol. 49, No. 6, pp. 1422–1437.
8. Jennifer Fernandes, **Manjunath S. Katagi**, Girish Bolakatti, BP Nandeshwarappa, Sujatha ML, DK Ramesh and Shivlingrao Mamledesai. Pyrazole-oxime as reactivator for Chlorpyrifos inhibited AChE: Synthesis and *In Vitro* reactivation study. TJPS 47(1) 2023**.**
9. C.H. Praveen Kumar, **Manjunatha S. Katagi**, and B.P. Nandeshwarappa. Novel synthesis of quinoline chalcone derivatives-Design, synthesis, characterization and antimicrobial activity. Chemical Data Collections 42 (2022) 100955.
10. D.K. Ramesh, J.H. Mruthyunjaya, B. Prasanna Kumar and **Manjunatha S. Katagi**. Exploring α-Amylase Inhibitory Activity of Cow's Urine Extract of *Alternanthera sessilis.* Asian. J. Anim. Vet. Adv. 17(4), 2022, 164-68.
11. A M Krupanidhi, K V Ashok Kumar1, D K Ramesh, **Manjunath Katagi**, Lipishree B M. Impact of Nutraceuticals-Cow-ghee on diabetic induced experimental animals. International Journal of Pharmaceutical Research and Applications Volume 7, Issue 5 Sep-Oct 2022, pp: 639-42.
12. BP Nandeshwarappa, **SK Manjunatha**, DK Ramesh, M Suchitra, SO Sadashiv. Synthesis and Antimicrobial Activity of 3-(2-(Substituted 1,3,4-Thiadiazol-2-Ylamino)Acetyl)-4-Hydroxy-1-Methyl/Phenylquinolin-2(1H)-Ones. RJPS 2020;10(4):33-8.
13. **Manjunatha S. Katagi**, Shivlingrao Mamledesai, Girish Bolakatti, Jennifer Fernandes, Sujatha ML, Prassad Tari. Design, synthesis, and characterization of novel class of 2-quinolon-3-oxime reactivators for acetylcholinesterase inhibited by organophosphorus compounds. Chemical Data Collections 30 (2020) 100560 **(Impact factor: 0.961)**.
14. Girish Bolakatti, Mahesh Palkar, **Manjunatha Katagi**, Girish Hampannavar, Rajshekhar V. Karpoormath, Shilpa Ninganagouda, Arvind Badiger. Novel series of benzo[*d*]thiazolyl substituted-2-quinolone hybrids: Design, synthesis, biological evaluation and *in-silico* insights. Journal of Molecular Structure **(Impact factor: 3.19)**.
15. Aravind Badiger, Girish Bolakatti, **Manjunatha Katagi**, P Vasudeva Nayak. Design, synthesis and cytotoxic activityof clinicalcandidate Phortress analogues of benzothiazolylpyrimidine and benzothiazolyldihydropyrimidine derivatives. J. Pharm. Sci. & Res. Vol. 12(5), 2020, 673-79.
16. Narayan R Miskin, **Manjunatha S Katagi**, Girish Bolakatti, Vishvakarma kamala Sunita, Suchitra M *In-Vitro* Cytotoxic Activity of *Persea Americana* Miller Leaves Extracts. Int. J. Med. Pharm. Res., 2020, 8(2): 21-25.

17. **Manjunatha S. Katagi**, Jennifer Fernandes, Shivalingrao Mamledesai, M. L. Sujatha, A. Rekha, Girish Bolakatti. Schiff Base Oxime Derivatives Reactivate Chlorpyrifos-induced Acetylcholinesterase Inhibition. INNOSC Theranostics and Pharmacological Sciences 2019 Vol. 2 (No. 1) pp: 14-18.

18. Mansi Kishor Lolienkar, SN Mamle Desai, Soniya Naik, **Manjunath S. Katagi**. Synthesis of Isoxazoloquinoli-2-ones and Evaluation for Their Reactivation efficacy against diisopropyl flourophosphate inhibited Acetylcholineterase. Indian J Het Chem. 2017;27(03):245-248.

19. **Manjunatha S. Katagi**, Shivalingrao Mamledesai, Rekha A, Girish Bolakatti, Jennifer Fernandes, Suchitra M. Synthesis of oxazoloquinolone derivatives and Evaluation of their Potency to Reactivate Rat Brain Acetylcholinesterase Inhibited by Chlorpyrifos. RGUHSJ Pharm Sci. (RJPS): 2016; 06(2): 33-39.

20. Girish Bolakatti , Kimeli J, **Manjunatha S. Katagi,** Ramesh Dk. Development of Photress analogues: Design, synthesis and anticancer screening of benzthiazole fused acetamide. RGUHSJ Pharm Sci. (RJPS): 2016; 06(4): 75-86.

21. **Katagi Manjunatha S**, Fernandes Jennifer, Satyanarayana D, Bolakatti Girish, Mamledesai SN, Ramesh DK, Thimmasetty J. Synthesis of Chalcone-Oxime Derivatives And Evaluation Of Their In Vitro Reactivation Efficacy Against Op Inhibited AChE. Universal J Pharm. 2016;05(03):32-37.

22. **Manjunatha S. Katagi***, Jennifer Fernandes, Shivlingrao Mamledesai, D. Satyanarayana, Prakash Dabadi, Girish Bolakatti. Synthesis and evaluation of quinolin-2(1*H*)-one fused oxazole as an *in vitro* reactivator of organophosphorus compound inhibited acetylcholinesterase. J Pharm Res. 2015; 14(2): 51- 6.

23. **Katagi, Manjunatha S**., Fernandes Jennifer, D Satyanarayana, Bolakatti Girish**,** and S.N.Mamledesai In vitro Reactivation of Chlorpyrifos-inhibited Rat Brain Acetylcholinesterase from 2-Quinolone Substituted Thiazole derivatives. RGUHSJ Pharm Sci.2014; 4(2): 57-61. DOI: 10.5530/rjps.2014.2.4

24. **M.S.Katagi**, G.S.Bolakatti*, A.M.Badiger, D.Satyanarayana, S.N.Mamledesai, M.L.Sujatha "Synthesis, Spectral Characterization and Antimicrobial Activity of Substituted Thiazolyl Derivatives of 2- Quinolones" Arznemittel-Forchung (Drug Research): 2013; 63(1): 53-59. **(Impact factor: 0.762)** DOI http://dx.dpi.org/10.1055/s-0032-1331711.

25. Girish Bolakatti*, Aravind Badiger, **Manjunatha Katagi**, Narayan Miskin, Prakash Dabadi, Muralikrishna K.S. Synthesis and Pharmacological evaluation of novel series of Benzthiazolyl-Coumarin conjugates: As Anti-inflammatory and Anticancer agents. Universal J Pharmacy. 2013: 02(03); 148-154.

26. Girish Bolakatti*, Arvind Badiger, **Manjunatha Katagi**, Narayan Miskin, Muralikrishna K.S. Synthesis and antitumor activity of 2-(4-aminophenyl)-6-fluoro-N-(substitutedphenyl)benzo[d]thiazol-7-amine derivatives: A novel class of anticancer agents. RGUHSJ Pharm Sci. (RJPS): 2014; 04(1): 22-29
27. D.K.Ramesh, B.Gopalkrishna, J.H.Mruthyunjaya, **Manjunath.S.Katagi**, Girish Bolakatti. "Synthesis Antimicrobial Evaluation of Newly Synthesized Triazolothiadiazole Analogs" Int J Drug Design and Discovery. 2013; 4(2): 1050-1055.
28. Girish Bolakatti, **Manjunatha S. Katagi***, S.N. Mamledesai, Sujatha. M.L, Prakash Dabadi, Narayana Miskin. "Synthesis and antimicrobial activity of 4-hydroxy-1-methyl/phenyl-3- (substituted anilinoacetyl)quinolin -2(1H)-one" RGUHS J Pharm Sci. 2012; 2(1): 60-5. DOI http://dx.dpi.org/10.5530/rjps.2012.2.B.
29. Narayan Miskin, K.P Manjunath, Anant B, Girish Bolakatti, **Manjunath Katagi**. "Antipyretic activity of Vitex negundo Linn Leaves extracts" RGUHSJ Pharm Sci. 2012; 2(2): 78-1.DOI http://dx.dpi.org/10.5530/rjps.2012.1.11.
30. Prakash Dabadi, B C Kotilk, Vijay T, C Kala, **Manjunatha S. Katagi**. "Antiulcer activity of mimusops elengi bark extracts against serotonin induced ulcer in rats" . Int res J Pharmacy. 2011; 2(8): 173-6.
31. SN Mamledesai, **M S Katagi,** R Khare, VS Maddi, AR Bhat. "Synthesis and antimicrobial activity of 4-hydroxy-1-methyl /phenyl-3-substituted quinoline-2-(1H)-ones" Indian J Het Chem. 2008;17(4):381-2.

Book Chapters:

1. **Manjunatha S. Katagi**, Sujatha ML, Girish Bolakatti, Suchitra M, SN Mamledesai. Organophosphorus Poisioning- An Overview. Biomolecule: The current status and future perspectives, Today & Tomorrow Publishers, New Delhi.2021:81-97.
2. **M. Suchitra**, **Manjunath S. Katagi**, G. Lakshmana Murthy, Binoy V cheriyan, Sailaja P, Nandeshwarappa B. A Biomolecule: Role in Diabetic Neuropathy. Biomolecule: The current status and future perspectives, Today & Tomorrow Publishers, New Delhi.2021:41-63.
3. B.P. Nandeshwarappa, **Manjunatha S. Katagi,** M. Suchitra. Chemistry of Pyrazoles. Organic Molecules. Jaya Publishers, New Delhi. 2021:157**.**
4. B.P. Nandeshwarappa, Sanddep Chandrashekharappa, Sadashiv SO, Sharangouda J Patil & **Manjunatha S. Katagi**. Synthesis of 3-acetyl-2H-selenopyrano[2,3-b]quinolin-2-ones: A potent Antibacterial agent. Jaya Publishers, New Delhi. 2021:75**.**
5. B.P. Nandeshwarappa, Sandeep Chandrashekharappa, **Manjunath S. Katagi,** S.O. Sadashiv, G.M. Shilpa, Raghu Ningegowda and Sharangouda J. Patil. Introductory Chapter: Polyimides - Importance and Its Applications. IntechOpen.2022. DOI: http://dx.doi.org/10.5772/intechopen.106519

6. Maruthesh H, Praveen Kumar C. H, KiranYadav C, **Manjunatha S. Katagi**, S. O. Sadashiv, Sharangouda J. Patil and B. P. Nandeshwarappa. Review on oxime as a smart candidate to reactivate acetylcholinesterase Inhibited by organophosphorus compounds. Advances in Chemical Biology – Volume 2: An Overview of Research Milestones and Applications, SHINEEKS Publishers, 2023, 01.
7. Jennifer Fernandes, Deepthi K. and **Manjunatha S. Katagi.** Chemical Biology in Drug Discovery: A Review. Advances in Chemical Biology – Volume 2: An Overview of Research Milestones and Applications SHINEEKS Publishers, 2023, 51.
8. Suchitra M, Binoy Varghese Cheriyan, **Manjunath S. Katagi** and Mounika R. V. S. Purification of Herbal Biomolecules Using Chemical Biology Approaches. Advances in Chemical Biology – Volume 3: An Overview of Research Milestones and Applications SHINEEKS Publishers, 2023, 01.
9. **Manjunath S. Katagi**, Nanda R. Dharwad, Prathibha G. S. and Asha Mathew. Advances in Glycobiology and Their Therapeutic Applications. Advances in Chemical Biology – Volume 3: An Overview of Research Milestones and Applications SHINEEKS Publishers, 2023, 25.
10. Praveen Kumar C. H., Maruthesh H, Niranjan E, Kiran Yadav C., **Manjunatha S. Katagi**, Sharangouda J. Patil, Sadashiv S. O. and Nandeshwarappa B. P. Studies on Anti-tubercular Activity of Heterocyclic Compounds. Advances in Chemical Biology – Volume 3: An Overview of Research Milestones and Applications SHINEEKS Publishers, 2023, 73.
11. Sujatha M. L, **Manjunatha S. Katagi** and Nandeshwarappa B. P. Acetylcholinesterase Inhibitors. Advances in Chemical Biology – Volume 3: An Overview of Research Milestones and Applications SHINEEKS Publishers, 2023, 110.

Research Experience (as Research Officer/JRF/SRF/any others)		
Duration	**Institution**	**Particulars of work done**
02 years (2022)	Bapuji Pharmacy College, Davangere	➢ Ongoing research project under RGUHS research grants during the year 2021-22. In Silico approach to development and synthesis of oxime derivatives to reactivate Acetylcholinesterase inhibited by Organophosphorus compounds. Project Code: **21PHA314**
06 months (2023)	Bapuji Pharmacy College, Davangere	➢ Synthesis and characterization of 2-quinolone chalcone oxime derivatives. ➢ Provided Project Scheme and Research Assistance was given to PG students of Dept. of Chemistry, Davangere University, Davangere.
1 year 6 Month (2021-2022)	Bapuji Pharmacy College, Davangere	➢ Synthesis and characterization of quinoline derivatives and evaluation for their Pharmacological activity. Provided Project Scheme and Research Assistance was given to PhD student of Dept. of Chemistry, Davangere University, Davangere.
1 year 6 Month (2021-2022)	Bapuji Pharmacy College, Davangere	➢ Synthesis and characterization of chalcone derivatives and evaluation for their Pharmacological activity. Provided Project Scheme and Research Assistance was given to PhD student of Dept. of Chemistry, Davangere University, Davangere.
06 months (2020)	Bapuji Pharmacy College, Davangere	➢ Synthesis and characterization of 2-quinolone linked pyrazole. ➢ Provided Project Scheme and Research Assistance was given to PG students of Dept. of Chemistry, Davangere University, Davangere.
06 months (2020)	Bapuji Pharmacy College, Davangere	➢ Synthesis and characterization of 2-quinolone linked thiadiazole. ➢ Provided Project Scheme and Research Assistance was given to PG students of Dept. of Chemistry, Davangere University, Davangere.
06 months (2016)	Bapuji Pharmacy College, Davangere	➢ Synthesis and Evaluation of Schiff Base Oximes as a Possible Antidote for Organophosphorus Poisoning. ➢ Provided Project Scheme and Research Assistance was given to PG students of Dept. of Chemistry, Davangere University, Davangere.
06 months (2016)	Bapuji Pharmacy College, Davangere	➢ Synthesis of Chalcone oxime Derivatives and Evaluation of their Potency to Reactivate AChE inhibited by Methyl Malathion. ➢ Provided Project Scheme and Research Assistance was given to PG students of Dept. of Chemistry, Davangere University, Davangere.
02 years (2016)	Bapuji Pharmacy College, Davangere	➢ I have completed the research project under RGUHS research grants during the year 2015-16. A report submitted on the topic "Development of oxime derivatives as an potential antidote for organophosphorus poisoning". Project Code: **15P007**
02 years (2016)	Bapuji Pharmacy College, Davangere	I have completed the research project under RGUHS research grants during the year 2015-16. Development of natural products from traditional drugs as novel anticancer agent. Project Code: **15P022**
06 months (2015)	Bapuji Pharmacy College, Davangere	➢ Synthesis and Antimicrobial Activity of Chalcones. ➢ Provided Project Scheme and Research Assistance was given to PG students of Dept. of Chemistry, Davangere University, Davangere.
06 months (2014)	Bapuji Pharmacy College, Davangere	➢ Synthesis of New Mannich Base Oxime of Coumarin Derivatives. ➢ Provided Project Scheme and Research Assistance was given to PG students of Dept. of Chemistry, Davangere University, Davangere.

Research Experience:

- As a Principal Investigator for the project entitled **"In Silico approach to development and synthesis of oxime derivatives to reactivate Acetylcholinesterase inhibited by Organophosphorus compounds"** funded by RGUHS research grants, Bangalore.
- As a Principal Investigator for the project entitled **"Development of oxime derivatives as an antidote for organophosphorus poisoning"** funded by RGUHS research grants, Bangalore.
- Ph.D thesis entitled **"Synthesis and Evaluation of Acetylcholinesterase Reactivators"** completed under the guidance of Dr. Jennifer Fernandes, Department of Pharmaceutical Chemistry, Nitte University, Mangaluru.
- M. Pharm thesis entitled **"Synthesis and Antibacterial activity of some 2-quinolone derivatives"** completed under the guidance of Dr. S.N.Mamledesai, Department of Pharmaceutical Chemistry, KLE'S College of Pharmacy, Hubballi.
- Guided 10 batches of research projects for M.Sc. students of Davangere University in organic Chemistry.
- Reviewer for journals: Medicinal Chemistry Research, Arabian Journal of Chemistry, Arznemittel-Forchung (Drug Research), Journal of pharmaceutical research.

I hereby declare that the above information provided by me is true and correct to the best of my knowledge and belief.