

CURRICULUM VITAE

1. Name :Prof. Y. B. BASAVARAJU
2. Qualification :M.Sc., Ph.D.
3. Age :61 Years
4. Date of Birth :23.06.1962
5. Address :Professor of Organic Chemistry
DOS in Chemistry,
University of Mysore,
Manasagangotri, Mysore-570006



5. TOTAL TEACHING EXPERIENCE: 26 years				
Position held	Status	Duration	No. of years	University/Institution
Lecturer	-	20-06-1990 to 29-10-1998	8 Years	Bangalore
Reader (MPS)	-	30-10-1998 to 06-07-1999	1 Year	Bangalore
Reader (BOA)	-	07-07-1999 to 06-07-2007	8 Years	Mysore
Professor	Continuing	07-07-2007 to	Till date	Mysore

6.	Research experience		32 Years
7.	Thrust area of research		Synthetic Organic Chemistry, Medicinal Chemistry and Natural products Chemistry
8.	Ph.D. supervision	Awarded candidates Submitted candidate Candidates working at present	14 ---- 08
9.	M.Phil. supervision	Awarded candidates	04
10.	M.Sc. dissertation supervision		120

11. Chairmanship / Membership in University academic bodies PG level (BOE/BOS)			
Position	Name of the academic Body	University/Institution	Period
Member	Academic council	Mysore	2021-2023
Chairman	DOS in Chemistry	Mysore	2018-2020
Chairman / Member	BOE of Chemistry (PG) Organic Chemistry (PG)	Mysore	2003-2018
Chairman / Member	BOS of Chemistry (PG)	Mysore	2007
Chairman / Member	BOS of Chemistry (UG/PG)	Mysore	2003-2022
Member	Science and Technology	Mysore	2003 to till date
Chairman / Member	BOS of Organic Chemistry (PG)	Mysore	2007-2022
Member	BOE of Chemistry (PG)	Karnatak	2009
Member	Admission committee of Chemistry (PG)	Mysore	2009 to 2016
Member	Admission committee of Chemistry (PG)	Yuvaraj's college, Mysore	2012
Member	BOE of Chemistry	Kuvempu	2012
Member	BOE of Chemistry	Mangalore	2012
Chairman	BOE of Chemistry (PG)	Mysore	2010
Chairman	BOE of Organic Chemistry (PG)	Mysore	2011 and 2014
Chairman	BOE of Organic Chemistry (PG)	Mysore	2011-13
Coordinator	Refresher course	Mysore	2011
Resource person	Development of science at schools	Mysore	2006
Member	BOE of Chemistry (PG)	Davanagere	2012
Member	BOA of Organic Chemistry	Karnatak	2012-14
Member	BOA of Chemistry	Mangalore University	-
Member	BOA of Chemistry	Kuvempu University	-
Member	BOA of Chemistry	Bangalore University	-
Member	BOA of Chemistry	Gulbarga University	-
Member	BOE Of Organic chemistry	Mysore	2014-15
Member	BOE of Chemistry (PG)	Karnatak	2015
Member	BOE of Chemistry (PG)	Bellary	2016

Member	BOE of Chemistry (PG)	Mangalore	2016
Member	BOE of Chemistry (PG)	Gulbarga	2016
Chairman	BOE of Organic Chemistry (PG)	Mysore	2016
Member	CSES,	Mysore	2006-till date
Chairman	Review committee, SC/ST Cell	Mysore	2021-2022
Member	Review committee for Minor projects	Mysore	2019

Ph.D Awarded Candidates:

Sl. No	Name of the Candidate	Title of the thesis	Awarded Date
1	B. Sadashivamurthy	Synthesis and study of Antineoplastic activity of analogues of Podophyllotoxin.	02-08-2006
2	Devaraju	Synthesis and study of Biological activities of Analogues of podophyllotoxin	17-10-2007
3	Hemakumar K H	Studies in the synthesis and Anticancer activity of β -Apopicropodophyllin analogues	10-04-2008
4	A D Sathisha	Synthesis and study of anticancer activity of podophyllotoxin analogues	16-06-2008
5	P Tamilselvan	A study of cobalt (II) - Catalysis; Highly selective Friedel-Craft's acylation of electron rich aromatics and efficient dehydration of aldoxime to nitriles.	03-11-2009
6	Umesha B	Synthesis and characterization of nitrogen containing new analogues of Podophyllotoxin and their antimitotic activity	09-06-2015
7	Amos Victor	Synthesis and biological activity of Podophyllotoxin analogues	18-09-2015
8	Shivakumar S B	Synthesis and study of antimitotic activity of tetralone acids	16-12-2015
9	Krishna M H	Synthesis and study of biological activity of tetralone esters.	29-12-2016
10	Raju D	Synthetic studies on podophyllotoxin related new analogues and their antimitotic activity	04-06-2016
11	Padmavathi K N	Synthesis and study of antimitotic activity of some tetralones and their heterocycles	08-01-2018
12	Umesha D C	Synthesis, characterization and biological activity of Tetralones and their heterocyclic derivatives.	21-11-2019
13	Nandini K	Synthesis, characterization and biological activity of some pyrazole and imidazole analogues.	29-12-2020
14	Deepu B R	Synthesis of nanostructures by chemical methods	15-06-2023

M. Phil awarded candidates:

Sl. No	Name of the Candidate	Title	Awarded Date
1	Devaraju	Synthesis and characterization of Podophyllotoxin derivatives.	2006
2	Shivaswamy	Synthesis and characterization of new podophyllotoxin analogues.	2006
3	Geetha D	Synthesis of Novel intermediates of Podophyllotoxin analogues.	2007
4	Vinaya	Synthesis and characterization of new Chalcones and their heterocyclic compounds screening to biological activity	2014

Post-doctoral fellow:

Sl. No	Name of the Candidate	Title	Awarded Date
1	Umesha B	-----	2016-2020

List of research scholars working for Ph.D degree

Sl no	Student name	Fellowship status
1	Pushpalatha v	Without fellowship
2	Sathish Kumar R N	Without fellowship
3	Lakshmana B	Without fellowship
4	Vinaya	Without fellowship
5	Geetha D	Without fellowship
6	Mahesha K	Without fellowship
7	Prakruthi Aiyappa K	Without fellowship
8	Chethan kumar K B (special candidate)	SC/ST cell
9	Prabhudeva B B	Without fellowship

12. DETAILS OF PARTICIPATION IN SEMINARS/SYMPOSIUM/CONFERENCE			
Year	University/ Institution	Level of participation*	Title of the programme (International/National/Institution)
1999	IISc, Bangalore	Participant	National Symposium in Chemistry (50 Years of India's independence)
1999	Mysore	Participant	National Conference
2001	Mysore	Participant	ICC Conference
2005	Mysore	Participant	NSBM Symposium
2005	Mysore	Participant	National symposium on Bioorganic and medicinal chemistry (NSBM)
2006	Mysore	Participant	Workshop on Innovative Methods in Chemistry Teaching.
2009	Mysore	Participant	The Emerging Areas in Chemistry- NACEAC
2010	Mysore	Participant	New Advances and Opportunities in Biomedical Imaging and Material Science
2011	KSOU, Mysore	Participant	International Symposium on Challenges in Drug Discovery Programme
2012	Mysore	Participant	Post Graduate Science Special Lecture Series
2013	Karnatak	Participant	Indian Council of Chemists: 32 nd Annual National Conference
2014	Mysore	Chairperson	National conference on pure and applied chemistry (NACOPAC-2014)
2016	Mysore	Participant	Indian Science Congress, University of Mysore
2018	Mysore	Participant	Brain storming workshop on adoption of UGC- MOOCs SWAYAM courses.
2020	Erode	Paper presentation	A surface micromachining; HNA Etchant for stiction free release of micro and nanomechanical structures
13. Conferences conducted under chairmanship			
2019	Mysore	Organizer	Recent innovations in medicinal and material chemistry (RIMMC-2019)
2020	Mysore	Organizer	National conference on innovations in chemical sciences(NCICS-2020)

13. M. Phil/ Ph. D/ Thesis Adjudicated				
Year	M. Phil/ Ph. D	University	Subject	Number of thesis evaluated
2007	Ph.D	Karnatak	Chemistry	01
2009	Ph.D	Kuvempu	Industrial Chemistry	01
2005	M.Phil	Bharathiar	Chemistry	03
2006	M.Phil	Bharathidasan	Chemistry	02
2010	Ph.D	Sri Venkateswara	Chemistry	01
2011	Ph.D	Mangalore	Chemistry	01
2012	Ph.D	Gulbarga	Chemistry	01
2012	Ph.D	Osmania	Chemistry	02
2011	M.Phil	Mangalore	Chemistry	01

2012	M.Phil	Mangalore	Chemistry	20
2012	Ph.D	Sri Venkateswara	Chemistry	01
2013	Ph.D	Sri Venkateswara	Chemistry	02
2013	Ph.D	Karnatak	Chemistry	01
2013	Ph.D	Kuvempu	Chemistry	02
2014	Ph.D	Karnatak	Chemistry	01
2014	Ph.D	Sri Venkateswara	Chemistry	02
2014	Ph.D	Kuvempu	Chemistry	02
2014	Ph.D	Annamalai	Chemistry	01
2015	Ph.D	Annamalai	Chemistry	02
2015	Ph.D	S. V. University	Chemistry	05
2016	Ph.D	S. V. University	Chemistry	06
2016	Ph.D	Kuvempu	Chemistry	02
2016	Ph.D	Mangalore	Chemistry	02
2016	Ph.D	Kerala	Chemistry	01
2016	Ph.D	IICT, Hyderabad	Chemistry	01

14. PARTICIPATION IN EXTENSION ACTIVITIES:

Resource person for development of science at schools, conducted by University of Mysore

15. NOMINATED/ APPOINTED /FELLOWSHIP OF PROFESSIONAL ACADEMIC BODIES:

Member, Science and Technology, University of Mysore, 2008, 2009- Till date

16. List of Research Publications: 63

List of Research Publications

1. C. Anjanamurthy and **Y. B. Basavaraju**, Synthesis of podophyllotoxin analogues: Part XI-Synthesis of analogues of β -Apopicropodophyllin, *Indian Journal of Heterocyclic Chemistry*, 1998, Vol.7, 177.

2. **Y. B. Basavaraju** and C. Anjanamurthy, Synthesis of podophyllotoxin and related analogues: Part X-Tetralone esters as intermediates for the synthesis of analogues of β -Apopicropodophyllin, *Indian Journal of Chemistry*, **1999**, 38B, 137.
3. **Y. B. Basavaraju** and Devaraju, Synthesis of analogues of podophyllotoxin: Tetralone intermediates for the synthesis of analogues of β -Apopicropodophyllin, *Indian Journal of Heterocyclic Chemistry*, **2002**, 11, 229.
4. **Y. B. Basavaraju** and C. Anjanamurthy, Tetralone acids as intermediates for the synthesis of podophyllotoxin analogues, *Indian Journal of Chemistry*, **2003**, 42B, 876.
5. **Y. B. Basavaraju**, B. Sadashivamurthy et al, 3-Chloro-4-hydroxy-4-methyl benzophenone, *Acta crystallographica*, **2005**, E61, 04146.
6. **Y. B. Basavaraju** and B. Sadashivamurthy, New Tetralone ester intermediates for the synthesis of analogues of β -Apopicropodophyllin, *Bulgarian Chemical Communications*, **2005**, 37, 135.
7. **Y. B. Basavaraju**, H.G. Anil Kumar et al, 4-methoxy- 3- methyl benzophenone, *Acta Crystallographica*, **2006**, E62, 01749.
8. **Y.B. Basavaraju**, H.G. Anil kumar et al, Synthesis and crystal structure of a chalcone analogue: (2E)-3-(3,4-Dimethoxy phynyl)-1-(3-Methyl-4-methoxy phenyl) prop-2-en-1-one, *Analytical Sciences*, **2006**, 22, X111.
9. **Y. B. Basavaraju** and B. Sadashivamurthy, New Tetralone esters as intermediates for the synthesis of podophyllotoxin analogues, *Indian Journal of Heterocyclic Chemistry*, **2006**, 15, 259.
10. **Y. B. Basavaraju**, K. M. Lokanatha Rai and B. Sadashiva Murthy, Biological assay and anti-mitotic activity of Novel analogues of β -Apopicropodophyllin, *Indian Journal of Pharmaceutical Sciences*, **2007**, Vol. 69(1), 116.
11. A. D. Sathisha, K. H. Hemakumar and **Y. B. Basavaraju**, New tetralone acid intermediates for the synthesis of β -Apopicropodophyllin, *Bulgarian Chemical Communications*, **2007**, Vol. 39, No. 4, P. 264.
12. **Y. B. Basavaraju**, A. D. Sathisha and K. H. Hemakumar, Sythesis of New tetralone ester intermediates for Podophyllotoxin analogues, *Indian Journal of Heterocyclic Chemistry*, **2007**, 17, 15.

13. **Y. B. Basavaraju**, K. H. Hemekumar and A. D. Sathish, New tetralone intermediates for the synthesis of podophyllotoxin analogues, Devaraju, *Bulgarian Chemical Communications*, **2007**, 39(2), 165.
14. **Y. B. Basavaraju**, P. Tamilselvan, E. Sampath Kumar and Ramachandran Murgesan, Cobalt (II) catalysed dehydration of aldoximes: A highly efficient practical procedure for the synthesis of nitriles, *Catalysis Communications*, **2008**, Vol. 10, P. 716.
15. **Y. B. Basavaraju**, K. H. Hemakumar and A. D. Sathish, Synthesis and Characterization of New Diketone analogues of podophyllotoxin, *E-Journal of Chemistry*, **2008**, Vol. 05. No. 01, P. 114.
16. **Y. B. Basavaraju**, P. Tamilselvan, Ramachandran Murgesan, and E. Sampath Kumar, Cobalt (II) acetyl acetonate catalysed Friedel Craft's acylation of anisole, thioanisole and toluene, *Catalysis Communications*, **2008**, Vol. 10, P. 300.
17. Amos Victor and **Y. B. Basavaraju**, Synthesis of new intermediates of podophyllotoxin analogues, *Indian Journal of Heterocyclic Chemistry*, **2013**, 22, 287.
18. D. Raju and **Y. B. Basavaraju**, Synthesis and characterization of new tetralone ester intermediates of podophyllotoxin analogues and their antifungal activity, *International Journal of Pharmaceutical science, review and research*, **2013**, 21(1), 305.
19. Amos Victor and **Y. B. Basavaraju**, Synthesis of new fluoro and fluoro methoxy diketone analogues of podophyllotoxin, *Indian Journal of Heterocyclic Chemistry*, **2013**, 23, 197.
20. D. Raju and **Y. B. Basavaraju**, Synthesis of new tetralone ester intermediates for podophyllotoxin analogues, *Pure and Applied Chemical sciences*, **2013**, 1(1), 43.
21. B. Umesha and **Y. B. Basavaraju**, Synthesis and characterization of diaza analogues of podophyllotoxin, *European Journal of Chemistry*, 4 (3) (2013) 235-239.
22. B. Umesha and **Y. B. Basavaraju**, Synthesis and pharmacological studies of new pyrazole analogues of podophyllotoxin, *Russian Journal of Bioorganic Chemistry*, 40 (4) (2014) 1-10.
23. B. Umesha, **Y. B. Basavaraju**, C. Mahendra, S. B. Shivakumar, K. Poornachandra Rao, and M. H. Krishna, Synthesis and biological activity of novel nitrogen containing

- analogues of podophyllotoxin, *Indo American Journal of Pharmaceutical Research*, 4 (1) (2014) 905-914.
24. B. Umesha, **Y. B. Basavaraju** and C. Mahendra, Synthesis and biological screening of pyrazole moiety containing analogues of podophyllotoxin, *Medicinal Chemistry Research*, 24 (2015) 142-151.
25. B. Umesha, **Y. B. Basavaraju**, Manpreet Kaur, H. S. Yathirajan and Jerry P. Jasinski, 1-(3,4-Dimethoxyphenyl)-3-phenylprop-2-en-1-one, *Acta Crystallographica Section E*, (2014) E70 o368.
26. B. Umesha and **Y. B. Basavaraju**, Synthesis and characterization of novel benzo[d][1,3]dioxole gathered pyrazole derivatives and their antimicrobial evaluation, *Medicinal Chemistry Research*, 23 (2014) 3744-3751.
27. B. Umesha and **Y. B. Basavaraju**, Synthesis, characterization and antibacterial activity of new triphenyl gathered dihydro pyrazoles, *International Journal of Chemical and Pharmaceutical Sciences*, 4 (4) (2013) 1-6.
28. M. H. Krishna, **Y. B. Basavaraju** and B. Umesha and S. B. Shivakumar, Synthesis and characterization of new tetralone esters, *Pure and Applied Chemical Sciences*, 2 (1) (2014) 31-39.
29. S. B. Shivakumar, **Y. B. Basavaraju** and B. Umesha, M. H. Krishna and N. Mallesha, Synthesis and evaluation of antimicrobial activity of new tetralone acid analogues of podophyllotoxin, *European Journal of Chemistry*, 5 (3) (2014) 424-429.
30. M. H. Krishna, **Y. B. Basavaraju**, B. Umesha and S. B. Shivakumar, Synthesis and study of antimicrobial activity of new tetralone esters, *European Journal of Chemistry*, 5 (4) (2014) 584-587.
31. M. H. Krishna, **Y. B. Basavaraju**, B. Umesha and S. B. Shivakumar, Synthesis and characterization of new tetralone esters, *Pure and Applied Chemical Sciences*, 2 (1) (2014) 31 - 39.
32. S. B. Shivakumar, B. Umesha, M. H. Krishna and **Y. B. Basavaraju**, Synthesis and study of biological activity of new tetralone acids analogues of podophyllotoxin, *Indo American Journal of Pharmaceutical Research*, 4 (12) (2014) 5733-5739.

33. S. B. Shivakumar, B. Umesha, M. H. Krishna and **Y. B. Basavaraju**, Synthesis of new substituted tetralone acids and evaluation of antimitotic activity, *International Journal of Chemical and Pharmaceutical Sciences*, 5 (3) (2014) 65-71.
34. D. C. Umesha, **Y. B. Basavaraju**, B. Umesha, Synthesis of new tetralone intermediates for podophyllotoxin analogues, *Chemical Science Review and Letters*, 4 (14) (2015) 591-596.
35. D. Raju, **Y. B. Basavaraju**, Hemant Kumar, B. Umesha and Nandini K, Synthesis and evaluation of antimitotic activity of new tetralone acids, *European Journal of Biomedical and Pharmaceutical Sciences*, 2 (7) (2015) 171-178.
36. B. Umesha and **Y. B. Basavaraju**, Synthesis and antibacterial evaluation of novel substituted 4-(thiophenyl)-5,6-dihydropyrimidinones, *European Journal of Biomedical and Pharmaceutical Sciences*, 2 (4) (2015) 1350-1360.
37. K. N. Padmavathi, **Y. B. Basavaraju** and B. Umesha, Synthesis and characterization of tetralones as intermediates for podophyllotoxin analogues, *European Journal of Chemistry*, 7 (2) (2016) 192-194.
38. D. C. Umesha, B. Umesha, **Y. B. Basavaraju**, Synthesis and evaluation of biological activity of nitrogen and oxygen containing heterocyclic analogues of podophyllotoxin, *International Journal of Chemical and Pharmaceutical Sciences*, 2016, 7 (2): 55-70.
39. B. Umesha, Sowbhagya, **Y. B. Basavaraju**, Synthetic Study on Chalcone and their Dihydropyrimidinone and Dihydropyrimidinethione Derivatives, *International Journal of Scientific Research in Science and Technology*, 2016, 2(3): 340-343.
40. K. N. Padmavathi and **Y. B. Basavaraju**, Synthesis and characterization of new tetralones as intermediates for podophyllotoxin analogues, *International Journal of Chemical Science and Research*, 2016, 6(5): 1-7.
41. Umesha Basavaiah, Vinaya, Sowbhagya, **Basavaraju Yeriur Basavaiah**, Synthesis and study of 1,4-Benzodioxinylisoxazole and 1,4- Benzodioxinylpyrazole derivatives, *DerPharma Chemica*, 2017,9(14):148-156.
42. Umesha Basavaiah , Sowbhagya , Vinaya , **Yeriur Basavaiah Basavaraju**, Synthesis and Evaluation of Antimitotic Activity of N-Phenyl Tetralones, *Journal of Applied Pharmaceutical Science* Vol. 8(05), pp 094-100, May, 2018
43. B. Umesha, Sowbhagya, and **Y. B. Basavaraju**, Synthesis and Bio evaluation Study of Benzofuran Linked Tetralones as Antimitotic Agent, *Chemical Science Transactions* 2018, 7(4), 656-667.

44. Santhosha S.Poojary, Devaraju, **Basavaraju Y.B**, Umesha B, Ranjini P, Synthesis and Study of Biological activities of Novel N² substituted biphenyl derivatives of Valacyclovir, *Journal of Emerging technologies and Innovative research*, February 2019, Volume 6, Issue 2.
45. Umesha Basavaiah, Sowbhagya, Vinaya, Lakshman B and **Yeriyur Basavaiah Basavaraju**, Synthesis of new Podophyllotoxin analogues bearing Barbitone and Thiobarbitone moiety as antimitotic agents, *Journal of Emerging technologies and Innovative research*, June 2019, Volume 6, Issue 6.
46. **Nandini K**, and **Y. B. Basavaraju**, **N.K. Hemanth Kumar** and et al, Synthetic Study On Some Imidazole Analogues and Their Antimicrobial Activity, *WJPR*, Volume9, Issue 8, 2020.
47. **Nandini K** and **Y. B. Basavaraju** **N.K. Hemanth Kumar**, , et al, Synthesis and Pharmacological Studies of New Pyrazole Analogues, *JETIR* June 2019,Volume 6, Issue 6
48. **D Vishwanath**, and **Y.B. Basavaraju**, and et al, Synthesis and Characterisation of Substituted-9-(3,4,5-Trimethoxyphenyl) Tetralone-Triazoles by Chalcone Path And Their Biological Activity , *JETIR* February 2019,Volume 6,Issue 2
49. **Y. B. Basavaraju and Deepu B.R et al**, Advanced VLS growth of gold encrusted silicon nanowires Mediated by porous Aluminium Oxide template, *Vaccum* **185(2021)**, 109991
50. **Y. B. Basavaraju and Deepu B.R, et al**, A Surface Micromachining: HNA Etchant for Stiction-free Release of Micro/Nanomechanical Structures, *Materials today: Proceedings* 42 (2021), 1218-1223.
51. **Y. B. Basavaraju and Deepu B.R**, et al ,A Simple Method for Fabrication of Self-sharpened Silicon Tips for Atomic Force Microscopy Applications, *Crystal Research Technology*,2022.57,2100217
52. **Vinaya**, and **Y. B. Basavaraju**,**H.S. Yathirajan** et al, Syntheses and crystal structures of four 4-(4-nitro-phenyl)piperazinium salts with hydrogen succinate,4-aminobenzoate,2-(4-chlorophenyl)acetate and 2,3,4,5,6-pentafluorobenzoate anions, *Acta Cryst* **2023**,E79
53. **Vinaya**, **Y. B. Basavaraju**, **H.S. Yathirajan** and et al, Syntheses and crystal structures of four 4-(4-methoxyphenyl)piperazin-1-ium salts: trifluoroacetate,2,3,4,5,6-pentafluorobenzoate,4-iodobenzoate,and a polymorph with 4-methylbenzoate, *Acta Cryst* **2023**, E79

54. **Vinaya, and Y. B. Basavaraju.** et al, Crystal structure of the insecticide ethiprole ($C_{13}H_9Cl_2F_3N_4OS$) : A case study of whole-molecule configurational disorder, *Acta Cryst.*(2023) E79
55. **Vinaya, and Y.B.Basavaraju** and et al, Syntheses and crystal structures of benzyl N-[E]-2-hydroxybenzylidene]hydrazinecarboxylate and benzyl N-[E]-5-bromo-2-hydroxybenzylidene]-hydrazinecarboxylate, *Acta Cryst.*(2022).E78
56. **Vinaya, and Y.B.Basavaraju** and et al, 3-(3-Nitrophenyl)-1-[4-(prop-2-ynoxy)phenyl]-prop-2-en-1-one , *IUCrData* (2022) 7,x220957
57. **H J Shankara Prasad and Y.B.Basavaraju,** and, Syntheses and crystal structures of three salts of sparfloxacin, one incorporating extended tapes of fused pentagonal water assemblies , *Acta Cryst.*(2022)E 78
58. **Vinaya, and Y.B.Basavaraju, H.S.Yathirajan,** Hydrogen-Bonded Chain of Rings Motif in N-(4-Methoxyphenyl)piperazin-1-ium salts with Benzoate Anions Supramolecular Assemblies and Their Energy Frameworks, *Crystals*, 2022,12,1807.
59. **Vinaya, and Y.B.Basavaraju and et al,** Syntheses, crystal structures and Hirshfeld surface analyses of four molecular salts of amitriptynol, *Acta Cryst.* (2023). E79.
60. **Vinaya, and Y.B.Basavaraju and et al,** Crystal structures of four organic salts of trihexyphenidyl at 90 K. <https://doi.org/10.1107/S2056989023005960>
61. **Vinaya, and Y.B.Basavaraju and et al,** The synthesis, crystal structure and spectroscopic analysis of (E)-3-(4-chlorophenyl)-1-(2,3-dihydrobenzo[b][1,4]dioxin-6-yl)prop-2-en-1-one. *Acta Cryst.* (2023). E79, 674-677
62. **Y. B. Basavaraju and Vodgalayya Pushpalatha,** Synthesis and characterization of Novel 3-(2-((5-4-substituted phenyl) furan-3-yl) methylene)hydrazinyl)methyl)-2-methyl-1H-indole and evaluation of their antimicrobial, amylase and protease enzyme binding activity. *Eur. Chem. Bull.* 2023, 12 (Special issue 5), 1878-1884.

63. **Y. B. Basavaraju and Vodgalayya Pushpalatha**, Design And Antimicrobial Activity Evaluation Of New Pyrazole, And 1, 3, 4-Thiadiazol Derivatives With Nicotinoyl Moiety, *Eur. Chem. Bull.* **2023**, 12(Special Issue 10), 01 - 10