CURRICULAM VITAE

Name: Dr. K. Mantelingu
Associate Professor
DOS in Chemistry
Manasagangotri, Mysore-06
Email: kmlingu@gmail.com
kmantelingu@yahoo.com

Postdoctoral Experience:

15/10/2013 – 05/09/2014 **"Postdoctoral Fellow"**
Department of Chemistry and Chemical Biology
Rutgers, the State University of New Jersey,
New Jersey, USA

1/10/2004 – 13-04-2007 **"Postdoctoral Fellow"**
Transcription and Disease Laboratory,
Molecular Biology and Genetics Unit
JNCASR, Bangalore-560064, INDIA

Industrial Experience:

01/10/2003 – **30/09/2004** **"Research Associate"**
Hikal Pharmaceutical Company,
Kalena Aghrahara, Bannerghatta road
Bangalore-560076, INDIA

Education **M.Sc 1997-1999 (University of Mysore, INDIA)**
Ph.D 1999-2004 (University of Mysore, INDIA, Under the guidance of Prof. K. S. Rangappa)

Awards /Recognitions:

1. **VGST Best Research Publication Award (2017) from Government of Karnataka**
2. **Sir C. V. Raman Young Scientist Award** (2015) from Karnataka State Council for Science and Technology
3. **Merck Millipore India Innovation Award** 2012 **(Cash prize 7.5 Lakhs)**
4. **Young Research Fellowship Awarded** from Ministry of European Research (MER), Italy 2007-2008.
5. **Most Cited Paper** 2003-2006 Award (Bio-Organic and Medicinal Chemistry, Elsevier Ltd. UK)
6. **Most Cited Paper** 2006-2009 Award (Bio-Organic and Medicinal Chemistry, Elsevier Ltd. UK)
7. **Best poster award** (National Symposium on Molecular Mechanism and Diseases and Drug Action November 16-18, 2005, SAHA institute Kolkata**)**

Research projects granted

Sl No	Name of the principal Investigator	Title of the project	Sponsoring agency	Total amount of the Project
1.	Dr. K. Mantelingu	Isolation, X-ray crystal, Antimicrobial and HAT studies of polyisoprenyl benzophenone and coumarin derivatives	Centre of excellence under Biodiversity, Bio-prospecting for sustainable development	8.0 Lakhs
2.	Dr. K. Mantelingu	Highly region-selective synthesis of substituted pyrazoles	UGC	8.2 Lakhs
3.	Dr. K. Mantelingu	Facile total Synthesis of Bioactive Quinazolinone Alkaloids (Rutaecarpine, Luotonin, euxylophoricine, evodiamine and their analogous)	DST-Fast Track	23 Lakhs
4	Dr. K. Mantelingu	"Exploring Novel BCL2-specific Inhibitors against Leukemia and Lymphoma"	DBT-GLUE grant	37 Lakhs
5	Dr. K. Mantelingu	Identification of novel PARP inhibitors against human leukemic cells	VGST(Karnataka Science and Technology Promotion Society, Government of Karnataka)	**20 Lakhs**

Patents:

1. T. K. Kundu, K. Balasubramanyam, **K. Mantelingu**, M. Altaf, V. Swaminathan, "Polyisoprenyl benzophenones as inhibitors of histone acetyl transferase and uses thereof" **US Patent 7,402,706 B2 July 22, 2008**

2. T. K Kundu, B. Ruthrotha Selvi, **K. Mantelingu**, A. Hari Kishore. "Site-specific inhibitors of histone methyltransferase (HMTASE) and process of preparation thereof" **US patent 7,875,741 Jan 25.1.2011.**

3. T. K. Kundu, K. Balasubramanyam, **K. Mantelingu**, M. Altaf, V. Swamynathan "Polyisoprenyl benzophenones as inhibitors of histone acetyl transferase and uses thereof" **EP 1 694 622 B1**

4. Inhibition of Histone Acetyltransferases by CTK7A and method thereof. T. K. Kundu, M. Arif, **K. Mantelingu**, K.S. Gopinath, PCT application No. PCT/IB2010/053998, Indian Complete Patent Application No. 02168/CHE/2009

Successfully guided 12 candidates for Ph.D degree and presently six students have been working under my guidance

Research Scholars/ಸಂಶೋಧನಾ ವಿದ್ಯಾರ್ಥಿಗಳು:

No	Name of the Candidate	**With/Without fellowship**	Funding Agency	Remarks
1.	Jenifer T.A	**With fellowship**	Institute of Excellence (MHRD)	Ph.D degree Awarded
2.	Raghavendra G. M	With fellowship	UGC-Major project	Ph.D degree Awarded
3	Nandeesh K. N	With fellowship	UGC-meritorious fellowship	Ph.D degree Awarded
4	**Ramesha A. B**	Without fellowship	-	**Ph.D degree Awarded**
4	**Pavan Kumar C.S.**	Without fellowship	-	**Ph.D degree Awarded**
6	**Dinesha H. E**	Without fellowship	-	**Ph.D degree Awarded**
7	Obaiah	Without fellowship	-	**Ph.D degree Awarded**
8	Roopa R.A	Without fellowship	-	**Ph.D degree Awarded**
9	Swarup.H.A.	With fellowship	DST-Fast Track	**Ph.D degree Awarded**

			Project	
10	Mahanthesh Hiremath	Without fellowship	-	**Ph.D degree awarded**
11	Kempearejegowda	With fellowship	DST-PURSE	Ph.D degree awarded
12	Navyashree	With fellowship	IOE fellowship	-
13	Shamanth. S	With fellowship	UGC-CSIR fellowship	Ph.D thesis submitted
14	Chaithra. N. N	With fellowship	UGC-CSIR	-
15	Shobha H. N	With fellowship	UGC-CSIR	-
16	Suresh R. N	With fellowship	DST-PURSE	-

Total publications 110:

Selected publications:

1. C. Srinivas Cheruku, A. M Sajith, N. Yatheesh, S. Poornima Shetty, N.C. Sandhya, K. S. Sagar, M.N. Kumara, K. S. Rangappa and **K. Mantelingu*** "$Co_2(CO)_8$ as a solid CO (g) source for the Amino carbonylation of (hetero) aryl halides with highly deactivated (hetero)aryl amines"**.** ***Journal of Organic Chemistry***. **2021**, 86(8), 5530-5537 **(IF: 4.8)**

2. G. Vidya, S. Shivangi, Ujjayinee Ray, M. Meghana, L. Divya, V.V. Supriya, K. G. Vindya, M. Srivastava, K. Mantelingu, C. Bibha , S. Raghavan "SCR7, an inhibitor of NHEJ can sensitize tumor cells to ionization radiation" ***Molecular Carcinogenesis***, **2021**, 627-643 **(IF: 4.78)**

3. S.Shamantha, N. C. Sandhya, K. S. Sagara, N. Yatheesh, M. Mamatha, K.S. Rangappa, and K. Mantelingu; "T3P mediated intramolecular rearrangement of o-aminobenzamide to *o*-ureidobenzonitrile using isothiocyanates" ***Synthetic Communications*** **2021**, 51(8), 1197-1205 **(IF: 1.79)**

4. N. Chaithra, H.A. Swarup, N. Yatheesh, N. C. Sandhya, K.Mantelingu* and K.S. Rangappa "Metal and catalyst-free, one-pot strategy to access 3-substituted-5-Amino-1,2,4-thiadiazoles in water". ***Synthetic Communications*** **2021**, IN PRESS) **(IF: 1.79)**

5. N. Chaithra, H.A. Swarup, N. Yatheesh, N. C. Sandhya, K.Mantelingu* and K.S. Rangappa* "Iodine catalyzed, regioselective benzylation of N-heterocycles using alcohols-An efficient synthesis of biologically important triarylmethanes" for publication as a communication in ***J.Het. Cyc. Chem*****. 2021** *in Press* **(IF: 1.48)**

6. S. Sharma, K K. Varsha, S. Kumari, V. Gopalakrishna, **K. Mantelingu**, S. S. Raghavan "Acute toxicity analysis of Disarib an inhibitor of BCL2" ***Scientific Reports,*** **2020, 10,** 15188 **(IF: 4.37)**

7. T.C Raveesha, M.K Hema, K.J Pampa, P.G Chandrashekara, **K. Mantelingu,** "Analysis of supramolecular self-assembly of two chromene derivatives: Synthesis, crystal structure, Hirshfeld surface, quantum computational and molecular docking studies" ***Journal of Molecular Structure,*** **2020**, 1225, 129104 **(IF: 3.19)**

8. VK Gopinatha, U Ray, **K Mantelingu**, SC Raghavan, KS Rangappa, "Synthesis and Biological Evaluation of Theophylline Methyl 1, 3, 4-Oxadiazole as Anticancer Agents" ***Russian Journal of Bioorganic Chemistry***. **2020**, 46 (5), 837-844

9. S. Shamanth, N. Chaithra, M. Gurukiran, M. Mamatha, N.K. Lokanth, K.S. Rangappa and **K. Mantelingu*** "I_2-catalzed transformation of *o*-aminobenzamide to *o*-ureodbenzonitrile using isothiocyanates" ***Organic Bio-Molecular Chemistry***. **2020**, 18, 2678-2684 **(IF: 3.87)**

10. C. Srinivas, N. Chaithra, N. C. Sandhya, **K. Mantelingu,*** M.N. Kumara. "An efficient synthesis of medicinally important indole based triarylmethanes by using propylphosphonic anhydride (T3P)" ***Synthetic Communications***. **2020**, 50(10), 1486-1494 **(IF: 1.79)**

11. Ujjayinee. R., Sanjay K. Raul.,K. G. Vindya, G.Dipayan, K.S. Rangappa, **K. Mantelingu,** S. C. Raghavan "Identification and characterization of novel SCR7 based biochemical inhibitor of DNA end joining, SCR 130 and its relevant cancer therapeutics" ***Molecular Carcinogenesis***. **2020**, 59(6), 618-628 **(IF: 4.78)**

12. N. Chaithra, N. C. Sandhya, **K. Mantelingu*,** K.S. Rangappa. "Novel and Facile Synthesis of 3,5-Disubstituted Isothiozoles Under Metal Free Conditions Using Acetophenones and Dithioester" ***Synthetic Communications***. **2020**, 50(17), 2647-2654 **(IF: 1.79)**

13. Kemparajegowda, H. A. Swarup, N. Chiathra, **K.Mantelingu*,** K.S. Rangappa "Structural Studies of 2,5-disubstituted 1,3,4-thiadiazole from dithioesters derivatives under the mild conditions: Studies on antioxidant, antimicrobial activities and molecular docking" ***Synthetic Communications***. **2020**, 50(10), 1528-1544 **(IF: 1.79)**

14. K. G. Vindhya, Dukanya, S. C. Raghavan, **K. Mantelingu*** & K. S. Rangappa* "Synthesis and biological evaluation of thephyline acetohydrazine derivatives as antituberculosis agents" ***J. Chinese Chemical Society***. **2020,** 67 (8), 1453-1461 (IF: 1.55)

15. **S Shamanth,** K Mantelingu, H Kiran Kumar, HS Yathirajan, S Foro, Crystal structures of three 6-aryl-2-(4-chlorobenzyl)-5-[(1H-indol-3-yl) methyl] imidazo [2, 1-b][1, 3, 4] thiadiazoles ***Acta Crystallographica Section E: Crystallographic Communications.*** **2020**, 76 (1), 18-24

16. N. Ashwini, G.M Raghavendra, H. Mahanthawamy, K. Mantelingu and K.S. Rangappa "HIGHLY ENANTIOSELECTIVE SYNTHETIC ROUTES FOR GLUCOSE CONJUGATED 1,2,3-TRIAZOLES" ***International Journal of Current Advanced Research***. **2020**, 21566-2157

17. K. G. Vindhya, H. A. Swarup, S. C. Raghavan, **K. Mantelingu*** & K. S. Rangappa* "Discovery of novel approach for regioselective synthesis of thioxotriazo-spiro derivatives via oxalic acid" ***Synlett***. 2019; 30(17): 2004-2019 **(IF: 2.42)**

18. H. A. Swarup, N. Chaithra, N. C. Sandhya, Shobith Rangappa, **K. Mantelingu** & K. S. Rangappa"Innovative approach for the synthesis of Nsubstituted amides from nitriles and alcohols using propylphosphonic anhydride (T3P®) under solvent-free conditions" ***Synthetic Communications***, **2019**, 49(16), 2106–2116 **(IF:** 1.79**)**

19. Kemparajegowda, H. A. Swarup, N. Chiathra, **K.Mantelingu*,** K.S. Rangappa "Efficient one-pot synthesis of 3,5-disubstituted 1,3,4-thiadiazole from dithioesters under mild condition' ***Chemistry Select,*** **2019**, 4, 4611-4614 **(IF: 2.01)**

20. H. A. Swarup, N. Chiathra, **K.Mantelingu***, K.S. Rangappa Efficient one-pot synthesis of 3,5-disubstituted 1,3-Green Synthetic approach for the construction of 3, 5-disubstituted 1,2,4-oxadiazoles and ataluren analogues from dithioesters using water' ***Chemistry Select,*** **2019**, 1, 5390 -5394 **(IF: 2.01)**

21. M. Pandey, G.Vindya, H. A. Swarup, Sujeet Kumar, G.Y. Radha, E. J. Anjanae, Supriya V. V. R. Sebastian, M. Srivastava, Bibha C., **K. Mantelingu,** S. S. Karki' and S. C. Raghavan "Water-soluble Version of SCR7-pyrazine Inhibits DNA Repair and Abrogates Tumor Cell Proliferation" ***Journal of Radiation and Cancer Research*** **2019**, 10(1), 27-43

22. V. V. Supriya, L.Divya, G. Vidya, M. Meghana, G. Vindya, M. Hegde, S. Mrinal, K. **Mantelingu,** C. Bibha, and S. C. Raghavan "SCR7, an Inhibitor of NHEJ can Bring Down the Effective Dose of Radiation by Half upon Co-administration during Cancer Therapy" ***Molecular Cancer Therapy*** **(in Press 2019)**

23. V.V. Supriya, H.A.Swarup, G. Vidya, K.G. Vindya, **K. Mantelingu*,** S. C. Raghavan "Autooxidized and cyclized form of SCR7 Induces Cancer Cell Death by

Inhibiting Nonhomologous DNA End joining in a Ligase IV Dependent Manner "***The FEBS Journal***. **2018,** 285(21), 3959-3977 **(IF: 5.54)**

24. H. A. Swarup, N. Chiathra, **K.Mantelingu***, K.S. Rangappa 'Green Synthetic approach for the construction of 3, 5-disubstituted 1,2,4-oxadiazoles and ataluren analogues from dithioesters using water' ***Chemistry Select,*** **2018**, 1, 5390 -5394 **(IF: 2.10)**

25. H. A. Swarup, Kemparajegowda, **K. Mantelingu,*** and K. S. Rangappa 'Effective and transition-metal-free Construction of disubstituted, trisubstituted 1,2,3-NH-triazoles and triazolo pyridazine via intermolecular 1,3-dipolar cycloaddition reaction', ***Chemistry Select***, **2018,** 3(2), 703-708. **(IF: 2.10)**

26. R. A. Roopa, **K. Mantelingu**,* G. Mridula, Rapid and Selective Spectrophotometric Assay for Micromolar Level Determination of Hydrogen Peroxide Based on Biocatalysis of Horseradish Peroxidase" ***Analytical Chemistry Letters***, **2017**, 7(6), 779-791 (IF: 1.24)

27. K. P. Rakesh, A. B. Ramesha, C.S. Shantharam, **K. Mantelingu**, N. Mallesha. "An unexpected reaction to methodology: An unprecedented approach to symmetrical and asymmetrical substituted urea's an unprecedented approach to transamidation" ***RSC Advances*.** **2016**, 6, 108315–108318 **(IF: 3.29)**

28. A. B. Ramesha, N. C. Sandhya, C. S. Pavan Kumar, **K. Mantelingu** and K. S. Rangappa, Novel approach for the synthesis of imidazo and triazolopyridines from dithioesters ***New. J. Chemistry.*** **2016**, 40, 7637–7642. **(IF: 3.59)**

29. Aswini, G. M. Raghavnedra, H. Mahanthaswamy, **K. Mantelingu**, K. S. Rangappa 'Stereoselective synthesis of (2S, 3S, 4S)-3-hydroxy-4-methylproline" ***Chinese Chemistry Letters*.** **2016,** in press **(IF: 1.58)**

30. A. B. Ramesha, C. S. Pavan Kumar, N. C. Sandhya, M. N. Kumara, **K. Mantelingu** and K. S. Rangappa, 'Tandem Approach for the Synthesis of 3-Sulfenylimidazo[1,5-*a*]pyridines from Dithioesters'. ***RSCAdvances*.** **2016**, 6, 48375–48378. **(IF: 3.36)**

31. M. Hegde, M. Pandey, **K. Mantelingu** and S. C. Raghavan, K. S. Rangappa 'A Novel poly (ADP-ribose) polymerase inhibitor shows synergistic effect with HDAC inhibitor, SAHA in inducing apoptosis in leukemic cells in a PARP dependent manner'. ***Targeted Oncology***. **2016,** 1-11. **(Impact Factor: 4.00)**

32. H. Mahanthaswamy, Y. Sunil Kumar; M. Umashankara, S. Chandrappa, C. S Pavan Kumar, **K. Mantelingu**, K. S Rangappa "Stereoselective Synthesis of (2S, 3S, 4S)-3-Hydroxy-4-*Methylproline". **Tetrahedron Asymmetry,* 2016**, 27, 261–267. **(IF: 2.15)**

33. H. A. Swarup, N. C. Sandhya, C. D. Mohan, C. S. Pavan Kumar, M.N. Kumara, **K. Mantelingu,** S. Ananda and K. S. Rangappa "Synthesis and antiproliferative

efficiency of novel bis-imidazol-1-ylovinyl-1,2,4-oxadiaxoles". ***New. J. Chemistry.*** **2016, 40**, 2823 –2828. **(Impact Factor: 3.28)**

34. M. Hegde, **K. Mantelingu**, I. Qamar, P. Beleyur, S. C. Raghavan and K.S. Rangappa "Identification of a novel PARP inhibitor shows sensitivity against human leukemiccells in an intrinsic PARP activity dependent manner". ***RSC Advances.*** **2016**, 6, 6308–6319. **(IF: 3.36)**

35. R. A. Roopa, K. Mantelingu, K. S. Rangappa1, M. N. Kamara "Development of Novel bienzymatic assay for quantification of glucose in human serum" ***Asian Journal of Pharmaceutics***, **2016,** 10(2), S170-S176

36. R. A. Roopa, K. Mantelingu, K. S. Rangappa 'Evaluation of peroxidase assay and effect of thermal blanching on sapota and fig fruits' ***Chemical Data Collections*** **2016**, 3–4 46–57

37. C. S. Pavan Kumar, K. B. Harsha, N. C. Sandhya, **K. Mantelingu*** and K. S. Rangappa 'Highly Diastereoselective Synthesis of Polycyclic Amines *via*-Redox Neutral C-H Functionalization'. ***New. J. Chemistry.*** **2015**, 39, 8397– 8404. **(IF: 3.59)**

38. C. S. Pavan Kumar, K. B. Harsha, **K. Mantelingu*** and K. S. Rangappa 'Diastereoselective Synthesis of Fused Oxazolidines and Highly Substituted 1H-pyrrolo [2, 1-*c*][1,4] oxazines' ***RSC Advances*****. 2015**, 5, 61664–61670. **(IF: 3.29)**

39. T. A. Jenifer Vijay, N. C. Sandhya, K. N. Nandeesh, K. S. Rangappa and **K. Mantelingu*** 'Concise synthesis of substituted meridianins'. ***Cogent Chemistry***. **2015,** 1(1), 1–10.

40. G. M. Raghavendra, C.S. Pavan Kumar, G. P. Suresha, K. S. Rangappa, **K. Mantelingu*** "T3P catalyzed one pot three-component synthesis of 2,3-disubstituted 3*H*-quinazolin-4-ones" ***Chinese Chemical Letters***. **2015**, 26, 963–968 **(IF: 1.58)**

41. A.B Ramesh, N.C Sandhya, H.A Swarup, K. Mantelingu and K.S Rangappa "Iodine mediated one-pot synthesis of imidazo[1,5-*a*]azines from dithioesters". ***Indian Journal of Heterocyclic Chemistry***, **2015**, 24 (4), 465-472 **(IF: 0.78)**

42. K. N. Nandeesh, K. S. Rangappa **& K. Mantelingu*** "Antiproliferative activity of new tetra substituted pyrrole derivatives". ***Medicinal Chemistry Research*****. 2016**, (in press).

43. A. Jenifer Vijay, N.C. Sandhya, C.S. Pavankumar, K. S. Rangappa, and K. **Mantelingu.** "Ligand- and catalyst-free intramolecular C-S bond formation: direct access to indalothiochromen-4-ones" ***Heterocycl. Commun***. **2015**; 21(3), 159–163

44. C. V. Deepu, G. M. Raghavendra, N. D. Rekha, **K. Mantelingu**, K. S. Rangappa and D. G. Bhadregowda 'Synthesis and biological evaluation of novel 1,5-enzothiazepin-4(5H)-ones as potent antiangiogenic and antioxidant agents' ***Current Chemistry Letters***. 2015, 4, 133–144.

45. **K. Mantelingu,** Y. Lin and D. Seidel. 'Intramolecular [3+2]-cycloadditions of azomethine ylides derived from secondary amines via redox-neutral C–H functionalization' ***Organic. Letters***. **2014,** 16, 5910−5913.**(Top 20 most downloaded paper in November of 2014) (IF: 6.73)**

46. O. Obaiah, K. N. Nagalingaiah, G. M. Raghavendra, C. S. Pavan Kumar, K. S. Rangappa, **K. Mantelingu** "Synthesis of 2-aryl substituted quinozolinone under solvent free conditions using ionic liquid as a mild and efficient catalyst**"** ***Eu. J. Chem. 2014,*** 5(4), 671–675 (**IF: 1.65)**

47. G. M. Raghavendra, K. N. Nandeesh, N.C. Sandhya, **K. Mantelingu,** K. S. Rangappa. "Transition Metal Free One-Pot Synthesis of Quinazolinones and their Alkaloids" ***International J. Chemistry*****. 2014**, 52(43), 5571–5574. (**IF: 1.43)**

48. Rapid, highly efficient and stability indicating RP-UPLC method for the quantitie determination of potent impurities of carvedilol active pharmaceutical ingredient
P. G Sajan, T. Rohith, S. Patil, **K. Mantelingu**, K. S. Rangappa, M. N Kumara
Int. J. of Pharmacy and Pharmaceutical Sciences**. 2014**, 6(10), 214–220

49. C. N. Revanna. G. M. Raghavendra, T. A. Jenifer, K. S. Rangappa, D. G. Bhadregowda and **K. Mantelingu*** 'Propylphosphonic Anhydride-catalyzed Tandem approach for Biginelli reaction Starting from alcohols' ***Chemistry Letters.*** **2014**, 43, 178–180. **(IF: 1.23)**

50. M. N. Kumara, P. G. Sajan, T. S. Rohith, **K. Mantelingu**, K. S. Rangappa 'A Validated Stability Indicating RP-UPLC Method for the Quantitative Determination of Potential Impurities of Allopurinol' ***American Journal of Pharmacy & Health Research***. **2014**, 2(10), 2321–3647

51. K. N. Nandeesh, G. M. Raghavendra, C. N. Revanna, T.A. Jenifer Vijay, K.S. Rangappa & **K. Mantelingu*** 'Recyclable graphite catalyzed four component synthesis of functionalized pyrroles' ***Synthetic Communications.*** **2014**, (44) 1103–1110. **(IF: 1.79)**

52. C. N. Revanna, Basappa, V. Srinivasa, Feng Li, K. S. Siveen, X. Dai, S. Nanjunda Swamy, D. G. Bhadregowda, Gautam Sethi, **K. Mantelingu**,* 'A. Bender and K.S. Rangappa "Synthesis and biological evaluation of tetrahydropyridinepyrazoles (PFPs) as inhibitors of STAT3 phosphorylation' ***Med. Chem. Communications*** **2014**, 5, 32–40. **(IF: 3.12)**

53. B.H Doreswamy, **K. Mantelingu,** M.A Sridhar, M. Mahendra 'Synthesis and characterization of stable nitrenium ion complex: 1-hydroxy-3-methyl benzotriazolium trifluromethane sulfonate' ***Research on Chemical Intermediates***, **2014**, 40(8), 2659–2665 **(IF: 1.83)**

54. T. A. Jenifer, K. N. Nandeesh, G. M. Raghavendra, K.S. Rangappa and **K. Mantelingu*** 'Transition metal free intramolecular S-arylation: One-pot synthesis of thiochromen-4-ones' ***Tetrahedron Letters*** **2013,** 54(4), 6533–6537. **(IF: 2.27)**

55. C. N. Revanna, G. M. Raghavendra, D. G. Bhadregowda, **K. Mantelingu***, K. S. Rangappa. "Novel approach for the synthesis of *N*-(5-allyl-7,7-difluro) tetrahydroindazole carboxymides" ***Tetrahedron Letters*****. 2013**, 54, 5224–5226 **(IF: 2.27)**

56. H. M Collins, M. K Abdelghany, M. Messmer, B. Yue, S. E Deeves, K. B Kindle, **K. Mantelingu,** A. Aslam, G S. Winkler, T. K Kundu, D. M Heery 'Differential effects of garcinol and curcumin on histone and p53 modifications in tumour cells' ***B M C Cancer.*** **2013**, 1471–2407. **(IF: 3.36)**

57. A. B. Ramesha, G. M. Raghavendra, K. N. Nandeesh, K.S. Rangappa and **K. Mantelingu*** 'Tandem approach for the synthesis of imidazo[1,2-*a*]pyridines from alcohols' ***Tetrahedron Letters*****. 2013,** 54(1), 95–100. **(IF: 2.37)**

58. C. N Revanna, T. R Swaroop, G. M. Raghavendra, D. G. Bhadre Gowda, **K. Mantelingu*** and K. S. Rangappa. 'Practical and green protocol for the synthesis of substituted 4*H*-chromens using room temperature ionic liquid choline chloride urea' ***J. Het. Chem*****. 2012**, 49(4), 851–855. **(IF: 0.78)**

59. S. V.Rashmi, M.N. Kumara, **K. Mantelingu*** and K. S. Rangappa. 'Triluroethanol as a metal-free, homogeneous and recyclable medium for the efficient one pot synthesis' ***Synthetic Communications*****. 2012,** 42, 424–433. **(IF: 1.79)**

60. S. N. Praveen Kumar, D. G. Bhadre Gowda, M. N. Kumara, K. **Mantelingu,** and K. S. Rangappa, 'RP-HPLC method development and validation of desvenlafaxine in bulk and pharmaceutical formulations' ***J. of Pharmacy Research*****. 2012,** 5(3), 1611–1613

61. S.N. Praveen Kumar, D.G. Bhadre Gowda, **K. Mantelingu** and K.S. Rangappa 'Development and validation of HPLC method for determination of tramadol hydrochloride in solid dosage form' ***J. of Pharmacy Research*****. 2012**, 5(3), 1438–1440.

62. S. N. Praveen Kumar, D. G. Bhadre Gowda, M.N. Kumara, **K. Mantelingu** and K.S. Rangappa. 'RP-HPLC method development and validation of Desvenlafanine in bulk and pharmaceutical formulations'. ***Journal of Pharmacy Research.*** *2012*. 5(3), 1611-1613,

63. S. N. Praveen Kumar, D. G. Bhadre gowda, M .N. Kumara, **K.Mantelinu** and K .S. Rangappa 'Simultaneous determination of flupenthixol hydrochloride and melitracen hydrochloride in pharmaceutical dosage form by means of high-performance liquid chromatography'. ***Journal of Pharmacy Research.*** **2012**, 5(3), 1608-1610.

64. P.A. Prasantha, N. C. Sandhya, D. G. Bhadregowda, **K. Mantelingu**, M. N. Kumara and K.S.Rangappa. 'β-Cyclodextrin catalyzed oxidation of some α-Amino acids with chloramine-T in alkaline medium: Kinetics and mechanistic studies' ***J. Mol. Catalysis A. Chemical.*** **2011**, 353–354, 111–116. (**IF: 3.84)**.

65. G. M. Raghavendra, A. B. Ramesha, C. N. Revanna, K. N. Nandeesh, **K. Mantelingu***, K. S. Rangappa. 'One-pot tandem approach for the synthesis of benzimidazoles and benzothiazoles from alcohols' ***Tetrahedron Letters.*** **2011**, 52(43), 5571–5574. (**IF: 2.27)**

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b. Papers published in conferences/seminars: 20

Title of Article /Book	**Authors and co-authors**	**Conference/seminar**	**Date and venue**
Intramolecular [3+2]-Cycloadditions of Azomethine Ylides Derived from Secondary Amines via Redox-Neutral C–H unctionalization	**Dr. K. Mantelingu (Invited talk)**		**October 10th to 11th 2018**
Highly Diastereoselective Synthesis of Polycyclic Amines and fused oxazolidines via-Redox Neutral C-H Functionalization"	K. Mantelingu (oral presentation)	Indian Science Congress, Held at Mysuru	January 3-7, 2016

Dithioesters as versatile organic synthons in organic synthesis	T. A. Jenifer and K. Mantelingu	Indian Science Congress, Held at Mysuru	January 3-7, 2016
Diastereoselective Synthesis Oxazolidinesand Highly Substi pyrrolo[2,1-*c*][1,4]oxazines*via* functionalization"	C. S. Pavan Kumar, **K. Mantelingu** and K. S. Rangapa	Indian Science Congress, Held at Mysuru	January 3-7, 2016
Highly Diastereoselective Intramolecular [3+2]-Cycloadditions: A Facile Entry into Polycyclic Amines	C. S. Pavan Kumar, Mantelingu and K.S Rangappa	Pure and Applied Chemistry-NACOPAC 2014", held at University of Mysore, Mysore, Karnataka. December 29-31,	2014
Non Specific to specific: Specif to Specific inhibition of p300-HAT alters the global gene expression and repressive HIV replication.	**K. Mantelingu**, Asohok Reddy, B.A, Tapas K Kundu	JNCASR in House Symposium	January 2007 JNCASR, Bangalore
6.Activation of p300 histone acetylatransferase by small molecules altering enzyme structure	**K. Mantelingu,** Harikishore, A.H and T. K. Kundu et al	NCBS-JNC-Harvard International Symposium	September 2006
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8. Novel small molecule activators of histone acetyltransferase p300	**K. Mantelingu,** Ashok Reddy , Tapas K Kundu	National symposium on Molecular Mechanism and diseases and drug action	November 16-18, 2005, SAHA institute Kolkata **Obtained best poster award**

9. Novel polyisoprenylbenzophenone derivatives: Specific inhibitors of histone acetyl transferase"	**K. Mantelingu,** Ashok Reddy , Tapas K Kundu	National Symposium on Bio-Organic and Medicinal Chemistry	October 5th to 7 2005 at DOS in Chemistry, Mysore
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13.Syntheisis and characterization novel DNA adducts	**K. Mantelingu**, H. Mallesh, and K.S. Rangappa	Indian Council of Chemists	January 2003 held Shimoga, held Mysore Karnataka
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Articles published in newsletter /bulletin (Title, Author & Co-authors, Journal, Volume, and Year of publication and Page Numbers)

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Title	**Author**	**Volume**	**Year**	**page**
Organic reactions, Reaction mechanism and kinetics studies	**K. Mantelingu**,	**1**	**2013**	**187-247**

2. Reaction and Rearrangements	**K. Mantelingu**	**1**	**2014**	**218-329**
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