

## CURRICULAM VITAE

### **Name: Dr. K. Mantelingu**

Professor  
DOS in Chemistry,  
Director, College Development Council  
University of Mysore, Mysore-06  
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### **Postdoctoral Experience:**

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

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

### **Industrial Experience:**

01/10/2003-    Research Associate  
30/09/2004    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)

**Responsibilities held**

19/07/2021 to 11/07/2023

**Chairman, DOS in organic Chemistry, MGM, Mysore**

31/07/2023 to till date

**Coordinator, M.Tech in Material Studies, MGM, Mysore**

19/11/2022 to till date

**Director, University, Industry, Interaction Centre (UICC), MGM, Mysore**Chairman, Board of Examinations, Department of Studies in Chemistry,  
University of Mysore, Mysuru**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	35.5 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. RuthrothaSelvi, **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**
5. Sathees, C. R., Ujjayinee, Ray., Vindya, G., Shivangi, K., **Mantelingu. K.**, Rangappa. K. S., “Mercaptopyrimidine compounds that inhibit nonhomologous end joining and methods thereof US patent application no. **18725993 dated 2024**

**Successfully guided 15 candidate for Ph.D degree and presently and eight subtends have been working under my guidance**

### **Research Scholars:**

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
5	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 Project	Ph.D degree Awarded
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	Ph.D degree awarded
13	Shamanth. S	With fellowship	UGC-CSIR fellowship	Ph.D degree awarded
14	Chaithra. N. N	With fellowship	UGC-CSIR	Ph.D degree awarded
15	Shobha H. N	With fellowship	UGC-CSIR	-
16	Suresh R. N	With fellowship	IOE fellowship	Ph.D degree awarded
17.	Pranitha K R	Without fellowship	Without fellowship	-
18.	Mamatha M	Without fellowship	Without fellowship	-
19.	Kanaka V H	Without fellowship	Without fellowship-	-
20.	Kavya	Without fellowship	OBC fellowship	-
21	Sahana M	With fellowship	UGC-CSIR	-
22	Prapulla Chandra	With fellowship	UGC-CSIR	-
24	Sagar Gowda	With fellowship	Without fellowship	

### Selected publications:

1. M.N. Sahana, K. Kavya, V. H. Kanaka, T. R. Swaroop, **K. Mantelingu,\*** “Base induced cycloaddition of ethylisocynoacetate with 2-(methylsulfonyl)-3-(het)arylquinoxalines: a new pathway to access ethyl-4-(het)arylimidazo[1,5-*a*] quinoxaline-3-carboxylate” *Tetrahedron* **2025**, In press
2. S L. Prapullachandra, V.H. Kanaka, C.V. Kavitha, T.R. Swaroop, **K. Mantelingu,\*** “An unexpected synthesis of 2,3-Bis(methylthio)-1,4-di(het)arylbut-2-ene-1,4-diones and their cyclocondensation with hydrazine for the synthesis of 4,5-Bis(methylthio)-3,6-di(het)arylpyridazines” *Synthesis*. **2025**, In press
3. V. H. Kanaka, R. N. Suresh, K. Kavya, T. R. Swaroop, K.S. Rangappa, **K. Mantelingu,\*** “Acid catalyzed condensation of primary/secondary amines with 2-oxo-2-aryl-N-arylethanethioamides: a highly regioselective synthesis of  $\alpha$ -oxoamidines” *Synlett*. **2025** (In Press)
4. S. Sharma, S. Shamanth, H. Siddiqua, L. Goyary, K.S. Sagar, Susmita Kumari, G. Radha, B. Choudhary, S. C. Raghavan\* and **K. Mantelingu,\*** “Biological evaluation of novel 5-((1H-indol-3-yl)methyl)-2-(4-chlorobenzyl)-6-phenyl-imidazo[2,1-b][1,3,4]thiadiazole derivatives as novel BCL-2 specific Inhibitors” *European Journal of Medicinal Chemistry Repors*. **2025**, 13, 100247
5. K. Kavya, M. N. Sahana, T.R Swaroop, B.T. Sridhar, **K. Mantelingu,\*** “Cyclocondensation of *o*-aminophenols with  $\alpha$ -ketothioesters in acidic media: a facile synthesis of 2-acylbenzoxazoles” *Tetrahedron Letters*. **2025**, (155), 155418
6. K. Kavya, V. H. Kanaka, B. T. Sridhar, T. R. Swaroop, **K. Mantelingu.\*** “Cyclocondensation of *o*-phenylenediamines with  $\alpha$ -ketothioesters: a novel approach for the synthesis of 2-acylbenzimidazoles” *New Journal of Chemistry*. **2024**, (48), 17998
7. C. S. Navyashree, N. Suresh, H. D. Preetham, S. M. Srinivasa, M. S. Ali. **K. Mantelingu\*** “Synthesis, molecular docking and pharmacological studies of novel quinoline derivative as anticancer agent that targets topoisomerase IIB” *Journal of Molecular Structure*, **2024**, 312, 138519
8. N. Chaithra, H. A, Swarup, S. Chandrasekhar, B. K. Jayanna, K. Kumara, **K.Mantelingu.\*** “Regio-selective benzylation of imidazo [1, 5-*a*] pyridines and indoles via iodine catalyzed reaction using alcohols-an approach to crystal structure prediction, DFT studies” *Journal of Molecular Structure*. **2024**, 1295, 136591
9. K.M. Chandini, T.N. Lohith, S. Shamanth, M.A. Sridhar, **K.Mantelingu\***, N.K. Lokanath “Synthesis, structure elucidation, energy frameworks, and DFT calculations of 2,5-diphenyl-1,3,4-hiadiazole” *Journal of Molecular Structure*. **2023**, 1283(5), 135320
10. R. N.Suresh, T.R. Swaroop, Darshini Gowda, **K.Mantelingu\***, K.S. Rangappa “A panoramic view on synthetic applications of  $\alpha$ -oxothioamides: a highly regioselective synthesis of 2-acyl-4-(het)arylthiazoles and thioethers”. *RSC Advances*. **2023**, 13, 4910-4916
11. R. N.Suresh, T.R.Swaroop, V. Shalini, **K.Mantelingu,\*** K.S.Rangappa “Dimerization of 2-oxo-2-(het)arylethanethioamides by molecular iodine: a new method for the synthesis of 3,5-diacyl-1,2,4-thiadiazoles” *Tetrahedron Letters*. **2023**, 116, 154302

12. K. S.Sagar, S. Shamanth, K. Karthik, N.K. Lokanath, **K.Mantelingu\***, M.N.Kumara “2,6-disubstituted imidazothiadiazole 5-carbaldehyde: Synthesis, crystal structure elucidation and in-silico studies” *Chemical Data Collections*. **2023**, 42(42), 100962
13. R. Ujjayinee, K.G.Vindya, S. Shivangi, G. Laijau, C. Bibha, **K.Mantelingu\***, K.S.Rangappa, S.C. Raghavan “Identification and characterization of mercaptopyrimidine-based small molecules as inhibitors of non-homologous DNA end joining”. *The FEBS Journal*. **2023**, 290(3), 796-820
14. G.S.Jagadeesha, **K.Mantelingu**, N.R.Thimmegowda, K.S. Rangappa “Microwave-assisted metal-free chemoselective *N*-Formylation of amines using 2-formyl-3-methyl-1*H*-imidazol-3-ium iodide and in situ synthesis of benzimidazole and isocyanides” *SynOpen*. **2022**, 6(2), 132-140
15. S. Shamanth, N. C. Sandhya, N. Yatheesh, M.P.Sunilkumar, M. Mamatha, K.S. Rangappa, **K.Mantelingu**, “T3P<sup>®</sup> facilitated one-pot multicomponent reaction comprising unique intra-molecular rearrangement” *Synthetic Communications*. **2022**,52, 1122-1130
16. T.N, Lohith, S.Shamanath, M.A.Sridhar, **K. Mantelingu**, N.K.Lokanath, “Synthesis, molecular structure, Hirshfeld surface, energy framework and DFT studies of 1, 3, 4-oxadiazole derivatives” *Journal of Molecular Structure*. **2022**,1252, 132203
17. H.A.Swarup, S. Chandrasekhar, B.K. Jayanna, K. Kumara, N.K. Lokanath, **K.Mantelingu** “Sulfuric acid-mediated synthesis of 2,5-disubstituted 1,3,4-thiadiazole via intra-molecular cyclization reaction from dithioesters: An approach to crystal structure prediction, DFT studies and Hirshfeld surface analysis”. *Journal of Molecular Structure*. **2022**, 125, 131970
18. R.A.Roopa, **K.Mantelingu**, M. Guin, S.B.Thimmaiah “BENZYMATIC spectrophotometric method for uric acid estimation in human serum and urine”. *Journal of Analytical Chemistry*. **2022**, 77 (3), 301-307
19. C. Srinivas, N.C. Sandhya, M.P.Sunilkumar, N.Yatheesh, M.N. Kumara, K.S. Rangappa, **K.S. Mantelingu K** “An expedient, efficient and solvent-free synthesis of T3P<sup>®</sup>-mediated amidation of benzhydrols with poorly reactive N-nucleophiles under MW irradiation”. *New Journal of Chemistry*. **2022**, 46(9), 4421-4426
20. C. Srinivas, A.M. Sajith, N. Yatheesh, S. Poornima Shetty, N.C. Sandhya, K.S. Sagar, M.N. Kumara, K.S. Rangappa, and **K.Mantelingu\*** “Co<sub>2</sub>(CO)<sub>8</sub> as a solidCO (g) source for the Amino carbonylation of (hetero)aryl halides with highlydeactivated(hetero)aryl amines”. *Journal of Organic Chemistry*. **2021**, 86(8), 5530-5537
21. Kemparajegowda, H.A. Swarup, S. Chandrasekhar, B.K. Jayanna, K. Kumara, N.K. Lokanath, B.T,Sridhar, **K.Mantelingu\***. “Sulfuric acid-mediated synthesis of 2,5-disubstituted 1,3,4-thiadiazole via intramolecular cyclization reaction from dithioesters: An approach to crystal structure prediction, DFT studies and Hirshfeld surface analysis”*Journal of Molecular Structure*.**2021**, 1251, 131970
22. G. Vidya, S. Shivangi, U. Ray, M. Meghana, L. Divya, V.V. Supriya, K.G.Vindya, M. Srivastava, **K. Mantelingu**, C.Bibha C, S.C. Raghavan, “SCR7 an inhibitor of NHEJ can sensitize tumour cells to ionization radiation” *Molecular Carcinogenesis*. **2021**, 627-643

23. S. Shamanth, N.C. Sandhya, K.S. Sagar, N. Yatheesh, M. Mamatha, K.S. Rangappa, **K.Mantelingu**, “T3P® mediated intra-molecular rearrangement of *o*-aminobenzamide to *o*-ureidobenzonitrile using isothiocyanates”. *Synthetic Communications*. **2021**, 51( 8), 1197-1205
24. N. Chaithra, H.A. Swarup, N.Yatheesh, N.C.Sandhya, **K.Mantelingu**, 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**, 51, 3610-3619
25. S. Sharma, K.K. Varsha, S. Kumari, V.Gopalakrishna, **K.Mantelingu**, S.C. Raghavan, “Acute toxicity analysis of Disarib an inhibitor of BCL2”. *Scientific Reports*. **2020**, 10, 15188
26. 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
27. S. Shamanth, N. Chaithra, M. Gurukiran, M. Mamatha, N.K. Lokanth, K.S. Rangappa, **K.Mantelingu**. “I<sub>2</sub>-catalzed transformation of *o*-aminobenzamide to *o*-ureodbenzonitrile using isothiocyanates”. *Organic Bio-Molecular Chemistry*. **2020**, 18, 2678-2684
28. 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
29. R. Ujjayinee, K.Sanjay, K, Raul, G. Vindya, G. Dipayan, K.S. Rangappa, **Mantelingu K\***, 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
30. 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 dithioesters”. *Synthetic Communications*. **2020**, 50(17), 2647-2654
31. 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
32. K.G.Vindhya, Dukanya, C.S. Raghavan, **K.Mantelingu**, K.S.Rangappa “Synthesis and biological evaluation of thephylineacetohydrazine derivatives as anti-tuberculosisagents” *J. Chinese ChemicalSociety*. **2020**, 67 (8), 1453-1461
33. S. Shamanth, **K.Mantelingu**, H,Kiran Kumar, H.S. 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” *ActaCrystallographica Section E: Crystallographic Communications*. **2020**, 76 (1), 18-24

34. N. Ashwini, G.M. Raghavendra, H. Mahanthawamy, **K.Mantelingu\***, K.S. Rangappa “Highly enantioselective synthetic routes for glucose conjugated 1,2,3-triazoles”. *International Journal of Current Advanced Research*. **2020**, 2156-2157
35. 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
36. H.A.Swarup, N. Chaithra, N.C. Sandhya, Shobith Rangappa, **K.Mantelingu**, K.S.Rangappa, “Innovative approach for the synthesis of *N*-substituted amides from nitriles and alcohols using propylphosphonic anhydride (T3P<sup>®</sup>) under solvent-free conditions”. *Synthetic Communications*, **2019**, 49(16), 2106–2116
37. 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
38. 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
39. M.Pandey, G. Vindya, H.A.Swarup,Sujeet Kumar, G.Y. Radha, E.J. Anjanae, S. Supriya. Srivastava M, C. Bibha, **K.,Mantelingu**, S.S, Karki, 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
40. M. Pandey, V. Gopalakrishnan, H.A. Swarup, G.Y, Sujeet Kumar, E. J.Anjanae, V.V., Supriya, R. Sebastian, M. Srivastava, C. Bibha, **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*(in press 2019)
34. V.V. Supriya, H.A.Swarup, G. Vidya, K.G. Vindya, **K. Mantelingu\***, S. C.Raghavan“Auto-oxidized 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
35. 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
36. H.A.Swarup, Kemparajegowda, **K.Mantelingu,\*** K.S.Rangappa “Effective and transition-metal-free Construction of di-substituted, tri-substituted 1,2,3-NH-triazoles and triazolopyridazine via intermolecular 1,3-dipolar cycloaddition reaction”, *Chemistry Select*. **2018**, 3(2), 703-708.
37. R. A. Roopa, **K. Mantelingu,\*** G. Mridula, “Rapid and selective spectrophotometric assay for micromolar level determination of hydrogen peroxide based on bio-catalysis of



horseradish peroxidase” *Analytical Chemistry letters*, **2017**,7(6), 779-791

38. K.P.Rakesh, A. B.Ramesha, C.S.Shantharam, **K.Mantelingu**, N. Mallesh “An Unexpected Reaction to Methodology: An Unprecedented Approach to Symmetrical and Asymmetrical Substituted Urea’s An Unprecedented Approach to trans-amidation” *RSC Advances*. **2016**, 6, 108315–108318
39. A.B. Ramesha, N.C.Sandhya, C.S.PavanKumar, **K.Mantelingu** and K.S. Rangappa, “Novel approach for the synthesis of imidazo and triazolopyridines from d Ithioesters” *New. J. Chemistry*. **2016**, 40, 7637–7642.
40. 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
41. 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”. *RSC Advances*. **2016**, 6, 48375–48378.
42. M.Hegde, M.Pandey, **K.Mantelingu** and S.C.Raghavan, K.S.Rangappa,, “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.
43. 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.
44. H. A. Swarup, N. C. Sandhya, C. D. Mohan, C. S. Pavan Kumar, M.N. Kumara, **K.Mantelingu**, S. Anandaand K. S. Rangappa “Synthesis and antiproliferative efficiency of novel bis-imidazol-1-ylovinyl-1,2,4-oxadiazoles”. *New. J. Chemistry*.**2016**, 40, 2823 –2828.
45. 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.
46. R. A. Roopa, **K. Mantelingu**, K. S. Rangappa, M. N. Kamara “Development of Novel Bio-enzymatic Assay for Quantification of Glucose in Human Serum” *Asian Journal of Pharmaceutics*. **2016**, 10(2), S170-S176
47. 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
48. C. S. Pavan Kumar, K. B. Harsha, N. C. Sandhya, **K. Mantelingu\*** and K. S. Rangappa,, “Highly Diastereoselective Synthesis of Polycyclic Amines *via*- Redo NeutralC-H Functionalization” . *New.J.Chemistry*. **2015**, 39, 8397–8404.

49. C.S.PavanKumar, K.B.Harsha, **K.Mantelingu\*** and K.S.Rangappa “Diastereoselective Synthesis of Fused Oxazolidines and Highly Substituted 1*H*- pyrrolo [2, 1-*c*][1,4] oxazines” *RSC Advances*. **2015**, 5, 61664–61670.
50. C.S.PavanKumar, K.B.Harsha, **K.Mantelingu\*** and K.S.Rangappa “Diastereoselective Synthesis of Fused Oxazolidines and Highly Substituted 1*H*- pyrrolo [2, 1-*c*][1,4] oxazines” *RSC Advances*. **2015**, 5, 61664–61670.
51. 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.
52. 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)
53. 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.
54. A. Jenifer Vijay, N.C. Sandhya, C.S. Pavankumar, K. S. Rangappa, and **K. Mantelingu**. “Ligand and catalyst-free intra-molecular C-S bond formation: direct access to indalothiochromen-4-ones” *Heterocycl. Commun.* **2015**, 21(3), 159–163
55. 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(5*H*)-ones as potent anti-angiogenic and antioxidant agents” *Current Chemistry Letters*. **2015**, 4, 133–144.
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([Top 20 most downloaded paper in November of 2014](#))
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Papers published in conferences/seminars: 20

Title of Article/Book	Authors and co-authors	Conference/seminar	Date and venue
Intramolecular [3+2]-Cycloaddition of Azomethine Ylides Derived from Secondary Amines via Redox-Neutral C–H Functionalization	Dr.K. Mantelingu (Invited talk)		October 10 <sup>th</sup> to 11 <sup>th</sup> 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 of Oxazolidines and Highly Substituted Pyrrolo[2,1-c][1,4]oxazines via functionalization	C. S. Pavan Kumar, K.Mantelingu and K. S.Rangappa	Indian Science Congress, Held at Mysuru	January 3-7, 2016
Highly Diastereoselective Intra-molecular [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: Specific to Specific inhibition of p300-HAT alters the global gene expression and repressive HIV replication.	<u>K. Mantelingu</u> , Ashok Reddy, B.A, Tapas K Kundu	JNCASR in House Symposium	January 2007 JNCASR, Bangalore
6. Activation of p300 histone acetyltransferase by small molecules altering enzyme structure	<u>K. Mantelingu</u> , Harikishore, A.H and T. K. Kundu et al	NCBS-JNC-Harvard International Symposium	September 2006
7. Small molecule modulators histone modifying enzymes	<u>K. Mantelingu</u> , Ashok Reddy, Tapas K Kundu	JNCASR in house Symposium	January 2006 JNCASR, Bangalore
8. Novel small molecule activators of histone acetyltransferase p300	<u>K. Mantelingu</u> , Ashok Reddy, Tapas K Kundu	National symposium on Molecular Mechanism and diseases and drug action	November 16-18, 2005, SAHA institute Kolkata <u>Obtained best poster award</u>
8. Novel polyisoprenyl benzophenone derivatives: Specific inhibitors of histone acetyltransferase”	<u>K. Mantelingu</u> , Ashok Reddy, Tapas K Kundu	National Symposium on Bio-Organic and Medicinal Chemistry	October 5 <sup>th</sup> to 7 2005 at DOS in Chemistry, Mysore
10. Novel polyisoprenyl benzophenone derivatives: Specific inhibitors	Tapas K Kundu, K. <u>Mantelingu</u> ,	International conference in Chromatin and	2005 July held at Kyoto University



Of histone methyltransferase.	M. Arif	dynamics	
11.HATmodulators and Disease	Tapas K Kundu, Mantelingu K, Altaf M	In house symposium JNCASR Bangalore	January 2005 JNCASR, Bangalore
12.GarcinolderivativesasSpecific inhibitors of p300	<u>K. Mantelingu</u> , Swaminathan, V.Radhika, T.K Kundu	International conference on Dienes and therapeutics	September 2004
13.Synthesis and characterization of novel DNA adducts	<u>K. Mantelingu</u> , H. Mallesh, and K.S. Rangappa	Indian Council of Chemists	January 2003 held Mysore Karnataka
14.Synthesis and characterization of stable nitrenium ions	<u>Mantelingu, K. K.S. Rangappa</u>	ICC conference	January 2003 held at Mysore Karnataka

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