

1. Name: Dr. (Mrs.) C. S. Ramaa**2. Educational qualification:**

Course	Institute	Year of passing
Ph.D. (Tech.)	UDCT, University of Mumbai	1997
M. Pharm	UDCT, University of Mumbai	1993
B. Pharm	KMKCP, University of Mumbai	1991

3. Experience:**Academic:**

Tenure	Post	Institute
August 2006 – Till date	Professor and HOD- Pharmaceutical Chemistry	Bharati Vidyapeeth's College of Pharmacy, Navi Mumbai
April 2006 – Till date	Vice Principal	Bharati Vidyapeeth's College of Pharmacy, Navi Mumbai
December 2003 - April 2006	Assistant Professor	Bharati Vidyapeeth's College of Pharmacy, Navi Mumbai
December 1996 - December 2003	Lecturer	Bharati Vidyapeeth's College of Pharmacy, Navi Mumbai

4. Students guided till date:

M. Pharm	Ph. D.
35	7

5. Publications:

- 1) Jagdale, D., Ramaa, CS. "Design, synthesis and in vitro evaluation of some small molecules malonyl CoA decarboxylase inhibitors containing pyrazoline scaffold and study of their binding interactions with malonyl CoA decarboxylase via preliminary docking stimulation", Medicinal Chemistry Research(2017) , 26:2127-2140. [1.277]
- 2) Gupta, R., Joshi, H., Ramaa*, C.S. "Assorted applications of N-substituted-2,4-thiazolidenediones in various pathological conditions". Mini reviews in medicinal chemistry. (under revision). [2.661]
- 3) Joshi, H., Marulkar, K., Gota, V., Ramaa, CS*. "Hydroxy cinnamic acid derivatives as partial PPAR γ agonists: In silico studies, synthesis and biological characterization against chronic myeloid leukemia cell line (K-562) Anti-Cancer Agents in Medicinal Chemistry", Volume 16,2016 (ahead to print). [2.598]

- 4) Joshi, H., Ramaa*, C.S. "Simple and rapid method determination of CSR1 and CSR2, new heterocyclic thiazolidinedione derivatives, in rat plasma"., *Int. J. of Pharmacy and pharm. Sci.* , Vol 8, Issue 8,(2016). [0.51]
- 5) Bhanushali, U., Kalekar-Joshi, S., Kulkarni-Munshi, R., Yellanki, S., Medishetty, R., Kulkarni, P., Ramaa, CS*. "Design, synthesis and evaluation of 5-pyridin-4-yl-2-thioxo-[1,3,4]oxadiazol-3-yl derivatives as anti-angiogenic agents Targeting VEGFR-2". *Anticancer Agents Med Chem.* 2016 May 3. [2.598]
- 6) Bhanushali, U., Rajendran, S., Sarma, K., Kulkarni, P., Chatti, K., Chatterjee, S., Ramaa, CS*. "5-benzylidene-2,4-thiazolidinedione derivatives: Design, synthesis and evaluation as inhibitors of angiogenesis targeting VEGFR-2". *Bioorganic Chemistry* 67(2016). [3.231]
- 7) Nagraj, J., Pal, T., Chatterjee, S., Gunjal, L., Gota, V., Ramaa, CS*, Ray, P.. "A novel series of di-fluorinated propanedione derivatives synergistically augment Paclitaxel mediated caspase 3 activation in ovarian cancer cells", *J. Can. Res. Ther.* 10(2014), 701-709. [0.75]
- 8) Pal, T., Joshi, H., Ramaa, CS*. "Design and development of oxazol-5-ones as potential partial PPAR- γ agonist against cancer cell lines". *Anticancer Agents Med. Chem.* 14 (2014), 872-883. [2.598]
- 9) Joshi, H., Pal, T., Ramaa, C.S*. "A new dawn for the use of thiazolidinediones in cancer therapy". *Expert. Opin. Investig. Drugs* 23(2014) 501-510. [4.030]
- 10) Jadhav, D.H., Ramaa, CS*. "Development and validation of a simple, sensitive and rapid method for simultaneous estimation of Atorvastatin and its metabolites in human plasma by LC-ESI-MS/MS." *International Journal of Analytical and Bioanalytical Chemistry.* 4 (2014) 20-28. [3.431]
- 11) Jadhav, R., Gupta-Rajoria, R., Pal, T., Ramaa, CS*. "Design, Synthesis and In-vivo Hypoglycemic Evaluation of Novel Non - TZD'S in a Type - 2 Diabetic Model". *Med. Chem.* 9 (2013) 104-111. [2.331]
- 12) Jain, V., Vora, D., Ramaa, C.S*. Thiazolidine-2,4-diones: Progress towards multifarious applications. *Bioorg. Med. Chem.* 21 (2013) 1599-1620. [2.930]
- 13) Jadhav, D.H., Ramaa, CS*. "Development and Validation of a UPLC-MS/MS Assay for Simultaneous Estimation of Raloxifene and its Metabolites in Human Plasma". *J. Bioanal. Biomed* 4 (2012) 061-067. [2.8]
- 14) Sharma, A., Pathan, T., Rhea Mohan, R., Ramaa CS*. "Synthesis and in vitro antitumor activity of novel fluorine containing pyrazoles and pyrazolines". *Letts. Drug Design Discov.* 8 (2011), 843-849. [1.17]

- 15) Mohan, R., Sharma, A., Gupata, S., Ramaa CS*. "Design, synthesis and biological evaluation of novel 2,4-thiazolidinedione derivatives as histone deacetylase inhibitors targeting liver cancer cell line". *Med. Chem. Res.* 21 (2012) 1156–1165. [1.23]
- 16) Sachin Ingale, S., Tabreskhan Pathan, T., Rhea Mohan, R., Ramaa CS*. "Synthesis and preliminary evaluation of difluorinated 1,3-propanediones as potential agents in the treatment of breast cancer". *Med. Chem. Res.* 21 (2012) 584-589. [1.23]
- 17) Patil, V., Tilekar, K., Mehendale-Munj, S., Mohan, R., Ramaa CS*. "Synthesis and primary cytotoxicity evaluation of new 5-benzylidene-2,4-thiazolidinedione derivatives". *Eur. J. Med. Chem.* 45 (2010), 4539-4544. [4.519]
- 18) Ingale, S., Pathan, T., Mohan, R., Ramaa CS*. "Synthesis and preliminary evaluation of a series of difluorinated chalcones as potential antiproliferative agents in the treatment of breast cancer". *Intl. J. Drug Design Discov.* 1(2), 2010, 209-215. [1.62]
- 19) Abhishek, P., Mohan, R., Vijay, P., Ramaa CS*. "Improved synthesis of isradipine: a calcium channel blocker". *Ind. Drugs*, 47 (2010) 011-016. [0.14]
- 20) Sonali Mehendale, S., Rumi Ghosh, R., Ramaa CS*, "Synthesis and evaluation of hypolipemic and hypoglycemic activity of novel benzylidene-2-4-thiazolidinedione analogs in Type 2 diabetes model". *Med. Chem. Res.* 20(2011) 642-647. [1.23]
- 21) More, A., Ramaa CS*. Synthesis and anti-inflammatory activity of fluorinated propanedione derivatives. *Ind. J. Chem.*, 49B (2010) 364-367. [0.719]
- 22) Shirode, A.R., Kadam, V.J., Ramaa CS*. "Compatibility studies between tranexamic acid and tablet excipients". *Asian J. Pharma. Clinical Res.* 1 (2008) 27-30. [0.40]
- 23) Mohan, R., Mundada, A.S., Kadam, V.J., Ramaa C.S*. "Retrometabolism Based Drug targeting-Soft Drug Approach", *Ind. J. Chem.* 47B (2008) 721-733. [0.719]
- 24) Jadhav, D., Ramaa CS*. "Synthesis and anti-inflammatory activity of fluorinated chalcone derivatives". *Ind. J. Chem.*, 46B (2007) 2064-2067. [0.719]
- 25) Mohan, R., Ramaa CS*. "Ester prodrugs of flurbiprofen: Synthesis, plasma hydrolysis and gastrointestinal toxicity". *Ind. J. Chem.*, 46B (2007) 1164-1168. [0.719]
- 26) Vaidya, J., Mundada, A.S., Kadam, V.J., RamaaC.S*. "Old drugs, new impacts: Drug repositioning", *Pharma Times*, 39 (2007) 13-15. [0.33]
- 27) Ramaa CS*., Chothe, PP., Naik, AA., Kadam, VJ. "Spectrophotometric method for the estimation of oxcarbazepine in tablets". *Ind. J. Pharm. Sci.* 68 (2006) 265-266. [0.762]
- 28) Shirode, AR., Deshpande, DK., Wamorkar, VV., Ramaa, CS*., Kadam, VJ. "Simultaneous Determination of Tizanidine and Valdecoxib by Reverse Phase High Performance Chromatography". *Ind. J. Pharm. Sci.* 68 (2006) 514-516. [0.762]

- 29) Jadhav D. H., Deshpande D. K., Ramaa C. S*, Kadam V. J “Nutraceuticals and Functional Foods: A new era in health and disease management”, *Ind. J. Pharm. Edu. Res.* 40 (2006) 190-194. [0.270]
- 30) Ramaa C.S*, Shirode, A.R., Mundada, A.S., Kadam, V.J. “Nutraceuticals- An emerging era in the treatment and prevention of cardiovascular disease.” *Curr. Pharm. Biotechno.* 7 (2006) 15-23. [2.459]
- 31) Khobragade, D.S., Bagade, S.B., Mundada, A.S., Ramaa C.S*. “Bioinformatics: Potential Applications in Pharmaceuticals”, *The Pharma Review*, 4 (2006) 25-29. [0.32]
- 32) Ramaa CS*, Kulkarni, VM. Computer-assisted design of novel leukotriene C4 receptor antagonists. *Ind. J. Chem.* 36B (1997) 1160-1163. [0.719]
- 33) Puri, RD., Mirgal, SV., Kulkarni, VM., Ramaa CS*. “Chromatographically derived hydrophobicity parameters in QSAR analysis of diarylsulphone analogues”, *Ind. J. Chem.*, 36B (1996) 1271-1274. [0.719]
- 34) Ramaa C.S*, Vaidya, M. “Controlled Release Functionalized Polymers”, *J. Colour Soc.* 35 (1996) 15-17.

6. Recent Presentations:

- 1) Hardik Joshi, Tanushree Pal, C. S. Ramaa, Anti-proliferative and cell cycle inhibitory activity of novel cinnamic acid derivatives on human chronic myeloid leukemic cell line. Presented at 14th Annual World preclinical congress, Organized by Cambridge Healthtech institute , Boston, MA, USA, 10-12th June 2015.
- 2) C. S. Ramaa, Hardik Joshi and Vikram Gota, “The anti-proliferative effect of novel 2,4-thiazolidenediones on K-562: A plausible PPAR γ Sparing pathway”. Presented at 15th Tetrahedron Symposium; Asia Edition Challenges in Bioorganic and Organic Medicinal Chemistry, Organized by Elsevier, Singapore Expo, Singapore, 28-31 October 2014.
- 3) Hardik Joshi, Tanushree Pal, C. S. Ramaa, “Probable PPAR γ sparing or partial antiproliferative agents: A tale of different ring systems”. 15th Tetrahedron Symposium; Asia Edition Challenges in Bioorganic and Organic Medicinal Chemistry, Organized by Elsevier, Singapore Expo, Singapore, 28-31 October 2014.
- 4) Pal T., Gupta-Rajoria R., Jadhav R., C. S. Ramaa, “Design and Development of Novel Non-TZDs As Potential Cytotoxic Entities”. Presented at International Symposium on Drug Discovery for Infectious Diseases and Cancer, organized by Institute of Chemical Technology, Mumbai dated Jan 16-17, 2013.

- 5) Umesh Bhanushali, Ajay Shivade and C. S. Ramaa, "Design, synthesis and anti-tubercular activity evaluation of newer 1, 3, 4-oxadiazole derivatives". Presented at International Symposium on Drug Discovery for Infectious Diseases and Cancer, organized by Institute of Chemical Technology, Mumbai dated Jan 16-17, 2013.
- 6) Dhagash K. Vora, C. S. Ramaa, "Designing studies of novel 2-benzylidene-1,3-diphenyl propane-1,3-dione derivatives as potential anti-cancer leads". Presented at International Symposium on Drug Discovery for Infectious Diseases and Cancer, Mumbai dated Jan 16-17 2013.
- 7) C. S. Ramaa, Umesh Bhanushali, "Design, Synthesis and *In-Vitro* Cytotoxicity Studies of Novel TZDs as Potential Anti-Angiogenic Leads". Presented at International Conference on Angiogenesis: Basics And Applications. Organized by, Vascular Biology Lab, AU KBC research Centre, Chennai 1-3rd March 2012.
- 8) Umesh Bhanushali, Vijay Patil, Karn Patel and C. S. Ramaa, "Designing Studies of Novel 5-Benzylidene-2, 4-Thiazolidinedione Derivatives as Potential Anti-Angiogenic Leads," Presented at International Symposium On Recent Advances In Cancer Research: Therapeutics To Chemoprevention, Gandhinagar, Gujarat. Dated 8-9th February 2012. (Won best poster award).
- 9) Rupali Jadhav, Ranu Gupta-Rajoria, Tanushree Pal and C. S. Ramaa, "Design, synthesis and in-vitro cytotoxicity evaluation of novel non-TZD's". Presented at International Symposium On Recent Advances In Cancer Research: Therapeutics To Chemoprevention, Gandhinagar, Gujarat. Dated 8-9th February 2012.
- 10) Rhea Mohan, Gupta S., Khade B.S., C. S. Ramaa , "Synthesis and evaluation of novel class of histone deacetylase inhibitors as potential anti-cancer agents" 61st Indian Pharmaceutical Congress, Ahmedabad 2009.
- 11) Sonali Mehendale, Rumi Ghosh, C. S. Ramaa, "Synthesis and evaluation of hypoglycemic activity of novel 5-benzylidene-2,4-thiazolidinedione analogues In Type 2 Diabetic Model" 3rd IAPST Annual National Convention, Manipal, 2009.
- 12) Rhea Mohan, Gupta S., Kadam V.J., C. S. Ramaa "Docking analysis synthesis and anti- cancer evaluation of novel benzamide analogue" 1st International Symposium on Medicinal Chemistry and Pharmaceutics, Lucknow, 2009.

7. Grants received:

Sr. no	Year	Topic	Agency	Amount
1	2017-18	Development of novel thiazolidinediones (TZDs) with anti-leukemic potential.	Department of Science and Technology (DST)	43.96 Lakhs
2	2014-2015	Synthesis and anti-diabetic evaluation of novel glucosidic compounds	University of Mumbai Research Grant	32,000/-
3	2012-2015	In-silico mechanistic studies, synthesis and biological evaluation of novel series of thiazolidinediones as anticancer agents.	Board of Research in Nuclear Sciences (BRNS) Research Grant	Rs.30.76 Lakhs
4	2011-2014	Synthesis and evaluation of potential Histone Methyl Transferase (HMTase) inhibitors as anticancer agents in leukemia cell lines	Lady Tata Memorial Trust	Rs.13,99,400/-
5	2007-2011	Rational Design, Synthesis and Biological Evaluation of Potential HDAC Inhibitors as Anticancer Agents	Board of Research in Nuclear Sciences (BRNS) Research Grant	Rs.25 Lakhs
6	2007-2008	Synthesis and Biological Evaluation of Novel Thiazolidinediones as potential anti-diabetic agents.	University of Mumbai Research Grant	Rs. 40,000/-
7	2005-2006	Study of Degradation Products of Newer Anti Alzheimer's Drug Donepezil Hydrochloride	University of Mumbai Research Grant	Rs. 20,000/-
8	2010-2011	Synthesis and biological evaluation of novel isoxazolidinediones as potential anti-diabetic agents	University of Mumbai Research Grant	Rs. 20,000/-

8. Awards and Achievements:

1. Invited Guest editor of special issue "Drug Reprofitting: An Alternate Path to Drug Discovery", for Current Topics in Medicinal Chemistry, 16 (19), 2016, 2067-2068 published by Bentham Sciences [2.561]
2. Received "Seva Gaurav Puraskar" From Bharati Vidyapeeth University, Pune, May 2015
3. Awarded as Best Research Guide for national level PharmInnova. Award 2013-2014 for the M. Pharm. thesis entitled "Study on new chemical entities of therapeutic potential" submitted by Dhagash Vora, May 2014.
4. Research paper entitled "Designing Studies of Novel 5-Benzylidene-2,4-Thiazolidinedione Derivatives as Potential Anti-Angiogenic Leads." Received "Best poster award" at International Symposium on Recent Advances in Cancer Research: Therapeutics to Chemoprevention, held at Gandhinagar, Gujarat, 8-9th February 2012.
5. Received "Best teacher award" and felicitation by Bharati Vidyapeeth's College of Pharmacy, Navi Mumbai for the academic year 2009-2010.