

**1. Name: Dr. (Mrs.) Mrunmayee Preetish Toraskar**

**2. Educational qualification:**

Course	Institute	Year of passing
Ph. D	Bharati Vidyapeeth Deemed University	2011
M. Pharmacy	Poona College of Pharmacy, Bharati Vidyapeeth	1994
B. Pharmacy	Poona College of Pharmacy, Bharati Vidyapeeth	1992

**3. Experience:**

Academic:

Tenure	Post	Institute
1995 - 2017	Associate Professor	Bharati Vidyapeeth's College of Pharmacy, Navi Mumbai

**4. Students guided till date:**

M. Pharm	Ph. D.
25	one

**5. Publications:**

- 1) Namrata Singasane, Prashant S. Kharkar, Mariangela Ceruso, Claudiu T. Supuran and Mrunmayee P. Toraskar. Inhibition of carbonic anhydrase isoforms I, II, IX and XII with Schiff's bases incorporating iminoureido moieties. *J. Enzyme Inhib. Med. Chem.* Volume 30, Issue 6, November 2015, pages 901-907 [ISSN: 1475-6366 ] (Impact factor 4.293)
- 2) Pichake, Jayashree; Kharkar, Prashant; Ceruso, Mariangela; Supuran, Claudiu\*; Toraskar, Mrunmayee\*. Carbonic Anhydrase Inhibitors: Design, Synthesis and Biological Evaluation of Novel Sulfonyl Semicarbazide Derivatives. *ACS Medicinal Chemistry Letters.* 2014, 5(7), 793-796 [ISSN: 1948-5875 ] (Impact factor 3.746)
- 3) M.P. Toraskar, K.K. Prasad, V. M. Kulkarni and V.J. Kadam; N-Myristoyltransferase: A Novel Target, *Mini Reviews in Medicinal Chemistry*, 2008, 8,142-149 ISSN: 1389-5575 (Print) (Impact factor 2.66)
- 4) Somani Rakesh R, Shirodkar Prabhakar Y, Toraskar Mrunmayee P. and Kadam Vilasrao J., Synthesis and biological evaluation of 2,5-disubstituted 1,3,4-oxadiazole analogues, *Indian J. Pharm. Educ. Res.* 42(1), Jan-Mar, 2008, 53 – 57, 57 [ISSN: 0019-5464] (Impact factor 0.270)

**6. Presentations:**

- 1) Mrunmayee Toraskar and Nikhil Tadge "Novel pyrazoline derivatives: Inhibitors of human Carbonic anhydrase." In 3<sup>rd</sup> International Conference On "Herbal and synthetic drug studies (HSDS 2016)" At Azam Campus Pune during 7<sup>th</sup> to 9<sup>th</sup> January 2016.
- 2) Tanvi Wani, Chetan Pawar and Dr. (Mrs.) M. P. Toraskar. Won First Prize in Chem-in-motion for "CHEMTASTIC 2016, at VES college of Pharmacy, Chembur(E), Mumbai on Saturday, 23<sup>rd</sup> July 2016.

- 3) Harsh Barua, Nidhi Bhagat and Dr. (Mrs.) M. P. Toraskar won Third Prize for "Study Of Binding Interactions Of Substitued Phenyl Sulfonyl Hydrazide Derivatives With Human Carbonic Anhydrase XII" in National level poster presentation and competition at Ideal college , Kalyan, Mumbai on 2<sup>nd</sup> September 2016.
- 4) Priya S. Hargunani , Dr. (Mrs.) M. P. Toraskar "Insilico drug design: promising avenue in drug discovery", in National level poster presentation and competition at Ideal college , Kalyan, Mumbai on 2<sup>nd</sup> September 2016.
- 5) Priya S. Hargunani , Dr. (Mrs.) M. P. Toraskar "Epoxide hydrolase: future target for the treatment of tuberculosis", in National level poster presentation and competition at Ideal college , Kalyan, Mumbai on 2<sup>nd</sup> September 2016.
- 6) Pravin Khude, Abdul Choudhary and Dr. M.P.Toraskar "Novel Sulphanilamide derivatives as Anti-cancer agents." at DST and BRNS sponsored Two Day National Conference On Translational Research In Oncology – Bedside to Bedside organized by Anjuman-I-Islam's Kalsekar Technical Campus, New Panvel on 10<sup>th</sup> – 11<sup>th</sup> September 2015.
- 7) Santoshi T. Gaulkar, Nikhil Tadge, Dr. M.P.Toraskar. "β-Carbonic Anhydrase as a Novel Target for Anti-Tubercular Activity." at International Conference on New Horizons In Synthetic And Materials Chemistry (ICSMC-2015) at University Of Mumbai on 26-28<sup>th</sup> November 2015. (BEST POSTER AWARD)
- 8) Vineeta V. Khanvilkar, Dr. M.P.Toraskar and Dr. Vilasrao Kadam. "Analytical Techniques: Tool for Drug Interaction Studies." at International Conference on New Horizons In Synthetic And Materials Chemistry (ICSMC-2015) at University Of Mumbai on 26-28<sup>th</sup> November 2015
- 9) Vineeta V. Khanvilkar, Dr. Mrunmayee P.Toraskar "Herb Drug Interaction: A Review." at 1<sup>st</sup> International Conference on Advances In Asian Medicine (ICAAM-2016) organized by Bharati Vidyapeeth Deemed University-Poona College of Pharmacy, at The Orchid Pune on 4<sup>th</sup> January 2016
- 10) Mrunmayee Toraskar and Nikhil Tadge "Novel pyrazoline derivatives: Inhibitors of human Carbonic anhydrase." In 3<sup>rd</sup> International Conference On "Herbal and synthetic drug studies (HSDS 2016)" At Azam Campus Pune during 7<sup>th</sup> to 9<sup>th</sup> January 2016.
- 11) Priya S Hargunani, Dr. M.P.Toraskar "Carbonic anhydrase: An emerging Target for anti-infective activity" In 3<sup>rd</sup> International Conference On "Herbal and synthetic drug studies(HSDS 2016)" At Azam Campus Pune during 7<sup>th</sup> to 9<sup>th</sup> January 2016.
- 12) Santoshi Tukaram Gaulkar, Dr.(Mrs.) M.P.Toraskar and V.J.Kadam. "Beta Carbonic Anhydrase (β-CA)", at one day seminar on "Selective approaches in pharmaceutical

chemistry and drug discovery, at Bharati Vidyapeeth's College of Pharmacy, C.B.D., Belapur, Navi Mumbai on 19<sup>th</sup> March 2016.

- 13) Priya S. Hargunani, Dr. (Mrs.) M. P. Toraskar and V.J.Kadam. "Novel Inhibitors of Human Carbonic Anhydrase", at one day seminar on "Selective approaches in pharmaceutical chemistry and drug discovery, at Bharati Vidyapeeth's College of Pharmacy, C.B.D., Belapur, Navi Mumbai on 19<sup>th</sup> March 2016.
- 14) Pravin Khude, Tanvi Wani, Dr. (Mrs.) M. P. Toraskar. "Introduction to Structure Based Drug Design", at one day seminar on "Selective approaches in pharmaceutical chemistry and drug discovery, at Bharati Vidyapeeth's College of Pharmacy, C.B.D., Belapur, Navi Mumbai on 19<sup>th</sup> March 2016.
- 15) Shloka Aiyer, Dr. M. P. Toraskar. Topic: Therapeutic approaches of DNA on 20<sup>th</sup> December 2014 at RX-2015 Techfest
- 16) Namrata Singasane, Dr. M.P.Toraskar and Dr.Vilasrao Kadam "Synthesis and evaluation of anti-microbial activity of  $N^4$ -(4-aminosulphonylphenyl) –  $N^1$ -substituted semicarbazone derivatives." at National Conference On Frontiers in Cancer Chemotherapy at PDEA Seth Govind Raghunath Sable College of Pharmacy Saswad, Pune on 26<sup>th</sup> – 27<sup>th</sup> July 2013.
- 17) Nikhil Tadge, Dr. M.P.Toraskar and Dr.Vilasrao Kadam "Carbonic anhydrase : An emerging Target." at International Workshop On Research writing skills – Publish or Perish. At Institute of Chemical Technology, Matunga, Mumbai on 12<sup>th</sup> – 13<sup>th</sup> November 2013.
- 18) Priya S Hargunani, Dr. M.P.Toraskar and Dr.Vilasrao Kadam "Urea Derivatives: Potentially Bioactive Entities" at International Workshop On Research writing skills – Publish or Perish. At Institute of Chemical Technology, Matunga, Mumbai on 12<sup>th</sup> – 13<sup>th</sup> November 2013
- 19) Patil S. M., Dr. M.P.Toraskar and Dr.Vilasrao Kadam "Synthesis and antioxidant study of some novel chalcone derivatives" at National Conference On Current research in Chemical Sciences (CRCS – 2013) at Shivaji University, Kolhapur on 22<sup>nd</sup> – 23<sup>rd</sup> January 2013.
- 20) Pratima Singh, Amjad Iqbal, Mrunmayee Toraskar. "Synthesis and anti-bacterial activity of furan derivatives of 1, 3, 4- oxadiazoles." at 61<sup>st</sup> Indian Pharmaceutical Congress 2009, Ahmedabad on 11<sup>th</sup>-13<sup>th</sup> December 2009.
- 21) Dhanashire S.T, Toraskar M.P., Kulkarni V.M. and Kadam V.J. "Isothiocyanate" Cancer Chemo preventive Agent at International Herbal Conference-2009 at Bangalore on 26<sup>th</sup>- 28<sup>th</sup> February 2009
- 22) M. P. Toraskar, A. J. Kshirsagar, Y. K. Kane and V. J. Kadam. Synthesis and biological evaluation of Schiff derivative of 3-mercapto-5(3'pyridyl)-4H-1,2,4-triazole-4-yl-thiosemicarbazide.at 59<sup>th</sup> IPC, Varanasi on 20-23<sup>rd</sup> December 2007

- 23) M. P. Toraskar, A. J. Kshirsagar, Y. K. Kane and V. J. Kadam. Synthesis and biological evaluation of Schiff derivative of 3-mercapto-5-(3'-pyridyl)-4H-1,2,4-triazole-4-yl-thiosemicarbazide. at 59<sup>th</sup> IPC, Varanasi on 20-23<sup>rd</sup> December 2007
- 24) Priyanka Jadhav, M. P. Toraskar; Biogenerics: the off- patent biotech products, at Yawatmal
- 25) K. K. Prasad, M. P. Toraskar, V. J. Kadam. Synthesis and biological evaluation of benzotriazolyl triazole derivatives at 58<sup>th</sup> IPC, Mumbai , December 2006
- 26) S. S. Bhavé, M. P. Toraskar, V. J. Kadam." Synthesis of GABA analogs "at ICC silver jubilee conference December 2006
- 27) A. J. Kshirsagar, M. P. Toraskar, V. J. Kadam. Synthesis and biological evaluation of Schiff derivative of 5-mercapto-3(3'-pyridyl)-4H-1,2,4-triazole-4-yl-thiosemicarbazide. at JSS College of Pharmacy , February 2005
- 28) R. Ghosh, R. R. Vohra, M. P. Toraskar, V.J. Kadam. A survey on the usage of interest by undergraduate and postgraduate pharmacy students. 56<sup>th</sup> Indian Pharmaceutical Congress, Kolkata, India 2004.
- 29) R. R. Somani, M. P. Toraskar, R. K. Mali, S. R. Gavali, S. A. Thombre and S. S. Bhavé. Synthesis of potential antifungal 2-(N substituted carboxamido methylthio)-5-(3'-pyridyl)-1,3,4-oxadiazoles. DDPR, Belgaon 2005

#### 7. Grants received:

Sr No.	Year	Topic	Agency	Amount
1	2016 - 2017	Synthesis and evaluation of potential pyrazoline derivatives	University of Mumbai	Rs.30,000/-
2	2013 - 2014	Study in synthesis of sulphanilamide derivatives	University of Mumbai	Rs. 10,000/-
3	2013 - 2014	Design and homology modelling of potential bioactive compounds as CYP450 inhibitors and human carbonic anhydrase inhibitors.	Modernization and Removal of Obsolescence Scheme (MODROBS) from AICTE	Rs.13,17,017/-
4	2010 - 2011	Synthesis and biological screening of potential anti-infective agents	University of Mumbai	Rs. 15,000/-
5	2008 - 2009	Synthesis and evaluation of potential bioactive aryl thiosemicarbazones	University of Mumbai	Rs.21,000/-