



## **Dr. C. Bothiraja**

M.Pharm, PhD  
Professor, Dept. of Pharmaceutics

**Email:** c.bothiraja@bharativedyapeeth.edu

Research Interests: Preformulation, targeted anticancer drug delivery systems, bioavailability and pharmacokinetic study. Nanoparticulate drug delivery such as nanocomposites, polymeric micelles, micro/nanoparticles, nanosponge, nanococheles and vesicular drug delivery system.

Academic Experience: 19 years

Subjects Taught: Biopharmaceutics and pharmacokinetics, Novel drug delivery system.

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Google Scholar Citations: 1024    h-index : 21    i10-index: 36

### Honors & Awards:

1. Mentor: Winner of Smart India Hackathon (SIH) 2020 by IIC cell, MHRD, Delhi.
2. Teacher Associateship for Research Excellence (TARE) award, 2019, DST-SERB
3. Best Researcher Award 2015-16 of Bharati Vidyapeeth University, Pune.

## **Research Profile:**

Publications: 63      International: 54      National: 9

Patents:      Filed: 1

Book Chapters: 1

## **Publications (Significant)**

1. C. Bothiraja, Rohini Mohite, Piyush Mehta , S Arulmozhi, Ravindar Kamble, Atmaram Pawar. Synthesis of fisetin co-crystal with caffeine and nicotinamide by cooling crystallization technique: Biopharmaceutical studies, New J Chem, 2019, 43, 13471-13479 (IF 3.591).
2. C. Bothiraja, N. Rajput, Ishwor Poudel, S. Rajalakshmi, Bijoy Panda, A. Pawar, Development of novel biofunctionalized chitosan decorated nanocochleates as a cancer targeted drug delivery platform. Artif Cells Nanomed Biotechnol, 2018, 46, S447-461. (IF 5.678).
3. C. Bothiraja, B.Y. Dilip, A.P. Pawar, K.S. Shaikh, U.H. Thorat. Fisetin-loaded nanocochleates: Formulation, characterization, in-vitro anticancer testing, bioavailability and biodistribution study. Expert Opinion on Drug Delivery 2014,11(1), 17-29. (IF 5.648).

## **Research Projects:**

1. DST-SERB-TARE, 19.80 Lakhs (Ongoing), 2019-2022
2. CCRUM, Ministry of AYUSH, Govt. of India. 43. 57 Lakhs (Ongoing), 2019-2022.
3. DST-FIST Govt. of India, 72.00 Lakhs (Ongoing), 2020-2025.
4. BCUD, Pune University, Pune, 1.50 lakh (Completed), 2011-2014.
5. BCUD, Pune University, Pune, 1.00 lakh (Completed), 2006-2008.

**Consultancy:**

1. Sahyadri Hospitals Ltd, Pune, 9.83 Lakh (Completed), 2019.
2. Romson's scientific and surgical Pvt. Ltd, 1.64 Lakh (Completed), 2018.
3. Tata Chemicals Limited, Innovation centre, Pune, 0.609 Lakh (Completed), 2017.
4. Abbott India Ltd, Mumbai, 3.54Lakh (Completed), 2015.

**Collaborations:**

Agharkar Research Institute (ARI), Pune, Maharashtra, India.  
IRSHA BVDU, Pune.

**Administrative Profile :**

- Life member, Association of Pharmacy Teachers of India (APTI)
- Approved PG Teacher and PhD Guide in Bharati Vidyapeeth (Deemed to be University), Pune.