

Dr. Harish Holla, Ph. D.

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Education

- Ph.D.-(2003-2008; Chemistry)
Research at 'Indian Institute of Chemical Technology, Hyderabad' / Submission at 'Swami Ramanand Teerth Marathwada University, Nanded.'
- M.Sc.-(1998-2000; Chemistry)
Swami Ramanand Teerth Marathwada University, Nanded, Maharashtra.

Teaching, Research & Industrial Experience

TEACHING EXPERIENCE

Dec 2013 - Assistant Professor, Department of Chemistry, Central University of Karnataka, Kalaburagi, Karnataka, 585 367

Sept 2012-Dec 2013 - Assistant Professor, Centre for Chemical & Pharmaceutical Sciences, Central University of Punjab, Bathinda, Punjab.

Nov 2002-Jun 2003: Physical Chemistry Lab. Instructor for B.Tech.-Ist yr & worked as Researcher at Institute of Chemical Technology, Mumbai (Formerly UDCT)

POST DOCTORAL RESEARCH

May 2009- Dec 2011: Advisor: Prof. Ronald J. Quinn; Director - Eskitis Institute for Cell and Molecular Therapies, Griffith University, Brisbane, Australia. (**Drugs for Neglected Diseases Initiative**, Project)

'Natural product based Drug Discovery against Tropical diseases and Inflammation'

May 2007- Feb 2009: Advisor: Prof. Heonjoong Kang; Director- Center for Marine Natural Products & Drug Discovery, Seoul National University, Seoul, South Korea.

'Antibacterial Marine Natural product synthesis and Drug Discovery against Metabolic diseases like obesity, type II diabetes'

DOCTORAL RESEARCH

Aug 2003 - May 2007: Advisor: Dr. Biswanath Das (FRS); Deputy Director- Indian Institute of Chemical Technology, Hyderabad, India.

'Isolation and structure elucidation of novel anticancer molecules and synthesis of small bioactive heterocyclic molecules using developed synthetic methods'

INDUSTRIAL EXPERIENCE

Aug 2000-Aug 2001: Production officer at **VETCARE Organics Pvt. Ltd.**, Bangalore.

- Worked on pilot scale product development of API- Amitraz and Halquinol BP 80.
- Acquaintance in GMP, GLP & ISO 9001 regulations.

Awards/ Fellowships & Grants

- May 2009 - Dec 2011 **Postdoctoral Research Fellowship**, Eskitis Institute for Cell and Molecular Therapies, Griffith University, Brisbane, Australia.
- May 2007- Feb 2009 **Postdoctoral Research Fellowship**, Center for Marine Natural Products and Drug Discovery, Seoul National University, Seoul, South Korea.
- 2003-Awarded **Junior & Senior Research Fellowship (UGC- CSIR NET fellowship)** for the period of 5 years for Ph.D. (Aug 2003-2008)
- 2002- Qualified **NET- LS (CSIR-UGC)** examination.
- 2002- Qualified **SET** (Maharashtra State Eligibility Test for Lectureship conducted by University of Pune, accredited by UGC) examination.
- 2002- Awarded **G. D. Gokhale Charitable Trust Fellowship** (4 yrs) for research at Institute Of Chemical Technology (Formerly UDCT), Mumbai.
- DST-Extramural Grant (34.5 Lakhs)

Research Interests

- Natural product (Terrestrial or Marine) isolation, structure confirmation & synthesis targeting cancer & infectious diseases.
- Natural product inspired synthesis, library generation targeting infectious & Neglected Tropical Diseases.
- Developing new synthetic methods and diversity oriented synthesis, Organic synthesis.

Languages

Hindi, Marathi, Kannada and English

Selected Publications: (Published above 25 articles)

1. Solving the Supply of Resveratrol Tetramers from Papua New Guinean Rainforest Anisoptera Species That Inhibit Bacterial Type III Secretion Systems Rohan A. Davis, Karren D. Beattie, Min Xu, Xinzhou Yang, Sheng Yin, Harish Holla, Peter C. Healy, Melissa Sykes, Todd Shelper, Vicky M. Avery, Mikael Elofsson, Charlotta Sundin, Ronald J. Quinn* *J. Nat. Prod.* (12),77, 2633 (2014).

2. Synthesis of Melicodenine C, D and E. **Harish Holla**, Ian D. Jenkins, Juliette E. Neve, Rebecca H. Pouwer, Ngoc Pham, Simon J. Teague, Ronald J. Quinn*, *Tetrahedron Letters* 53, 7101 (2012).
3. Bioactive dihydropyrimidines: An overview. Vivekanand B. Jadhav*, **Harish V. Holla**, Sunil U. Tekale, Rajendra P. Pawar, *Der Chimica Sinica*, 3(5), 1213 (2012). (Review)
4. Discovery, design and synthesis of Y-shaped peroxisome proliferator-activated δ receptor agonists as potent anti-obesity agents in vivo. Hoosang Hwang, Jungyeob Ham, Jaeyoung Ko, Sun Jin Cho, **Harish Holla**, Joydeep Banerjee, Sukho Kim, Inho Yang, Sang-Jip Nam, Hyukjae Choi, Woojin Lee, Chaok Seok, Jungwook Chin, Heonjoong Kang*, *European Journal Of Medicinal Chemistry*, 53, 190 (2012).
5. Synthesis of antitrypanosomal 1,2-dioxane derivatives based on a natural product scaffold. **Harish Holla**, Mehdi Labaied, Ngoc Pham, Ian D. Jenkins, Kenneth Stuart, Ronald J. Quinn*, *Bioorg. Med. Chem. Lett.*, 21, 4793 (2011).
6. Novel cytotoxic constituents of *Orthosiphon diffusus*. **Harish Holla**, Yallamalla Srinivas, Anjoy Majhi, Gannoju Srinivasulu, Balasubramain Sridhar, Arepalli Sai Krishna, Janapala Venkateshwara Rao, Biswanath Das*, *Tetrahedron Letters*, 52, 49 (2011).

Poster Presentations at Conferences

- Synthetic Applications of Baylis-Hillman Chemistry: Simple accesses to some Important Insect Pheromones, **CSIR and ACS Organized International Conference on Advances in Organic Chemistry and Chemical Biology**, Biswanath Das, Joydeep Banerjee, Nikhil Chowdhury, Anjoy Majhi and **Harish Holla**, Indian Institute of Chemical Technology, Hyderabad, (India), 11-12 Jan.- 2006.
- A Facile One-Pot Synthesis of Alkyl aryl Sulfides/Selenides from Aryl halides, **236th ACS National Meeting and Exposition**, Jungae tak, Jungwook Chin, **Harish Holla**, Jungyeob Ham and Heonjoong Kang, Philadelphia (USA), 17-21 Aug-2008.
- Synthesis of Butenolide derivatives – A search for probable drug lead, **3rd CMDD symposium on Marine Natural Product and Drug Discovery**, **Harish Holla**, Jungwook Chin, Hiyoung, Katta Venkateswarlu, Hyunjung Kim, Youngju Lee and Heonjoong Kang, Seoul, (South Korea), 5-7 Nov.-2008.
- Synthesis of antitrypanosomal 1,2-dioxane derivatives based on a natural product scaffold, **27th International Symposium On The Chemistry of Natural Products & 7th International Conference On Biodiversity**, **Harish Holla**, Ngoc Pham, Mehdi

Labaid, Ian D. Jenkins, Kenneth Stuart and Ronald J. Quinn, Brisbane, (Australia),
10-15 July-2011.

Oral Presentation/Talk

- Presentation at CMDD, Seoul National University, Seoul, South Korea, (15th June 2007) ‘**Development and application of new synthetic methodologies for construction of bioactive molecules along with investigation on novel natural anticancer agents.**’
- Talk at Eskitis Institute for Cell & Molecular Therapies, Griffith University, Brisbane, Australia, (3rd November 2009) ‘**A journey from natural products to synthetic chemistry.**’
- Talk at National Institute for Interdisciplinary Science and Technology, Trivandrum, (June 2011) ‘**Drug discovery from natural products and synthetic chemistry.**’
- Invited talk at 17th International conference by Indian Society of Chemists & Biologists-2012 organized by Solapur University, Solapur, India, (23rd January 2012) ‘**Natural product scaffold based lead optimization against Tropical neglected diseases.**’
- Talk in Faculty Seminar series at Central University of Punjab, Bathinda, Punjab, (8th January, 2013) ‘**Natural Products in drug discovery-Some recent results.**’
- Invited talk at D. B. F. Dayanand College of Arts & Science, Solapur (UGC sponsored National Conference) (22-23 Feb, 2014) ‘**Natural Products in Drug Discovery.**’