

Dr. Tina Saldanha

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PERSONAL DETAILS:

Date of Birth: 21st March 1979

Nationality: Indian

Languages known: English, Hindi

EDUCATION:

❖ **Ph.D. in Pharmacology** (2004-2008)

Title of thesis : Phytochemical and Pharmacological Investigation of the Rhizomes of *Acorus calamus* in the Management of Hyperlipidemia.

Research Guide : Dr. Sushma Mengi, Prof. of Pharmacology

College/University : C.U.Shah College of Pharmacy, S.N.D.T. Women's University, Santacruz (W), Mumbai 400 049

❖ **M.Pharm. in Pharmacology** (2001-2003)

Graded : **First Class with Distinction**

Title of thesis : Evaluation of Herbal Formulation and Plant Extract for CNS Depressant Activity.

Research Guide : Dr. A.R. Juvekar, Prof. of Pharmacology

College/University : University Institute of Chemical Technology (U.I.C.T.), Matunga, Mumbai 400 019. University of Mumbai.

❖ **B.Pharm.** (1998-2001)

Graded : First Class (69%) in Final Year B.Pharm.

2nd Rank at MET'S College of Pharmacy

College/University : MET'S College of Pharmacy, Bandra. University of Mumbai.

❖ **G.A.T.E.** (2001)

Graded : **95.04 percentile**

RESEARCH / WORK EXPERIENCE:

ASST. PROF. OF PHARMACOLOGY at AISSMS College of Pharmacy, Pune (Dec 2011 to date)

SENIOR EXECUTIVE at Panacea Biotec Ltd. (R&D Mumbai, Aug 2008-Sept 2011)

- *In vivo* and *in vitro* pharmacological studies for New drug delivery systems (NDDS)
- Review of protocols/monitoring toxicology and safety pharmacology studies for new chemical entities (NCE) performed through various contract research organizations/analysis and interpretation of the findings.
- Compiling dossiers for various pharmaceutical products/NCE as per regulatory guidelines

PH.D.:

- Preclinical evaluation of anti-hyperlipidemic agents in animal models of hyperlipidemia.
- Preclinical evaluation of anti-inflammatory agents in animal model.
- Column and Preparative chromatography in the isolation of plant phytoconstituents.

M.PHARM.:

- Preclinical evaluation of anti-pyretic activity of new drug formulation in animal model.
- Toxicological studies (Acute, Sub-acute, Chronic toxicity) of new drug formulations in rats and mice.
- Preclinical evaluation of CNS depressants.

PRACTICAL SKILLS ACQUIRED:

- Writing and presentation of research proposals to various funding agencies
- Planning/review of tox protocols as per ICH/Schedule Y guidelines
- *In vivo*: animal handling, various routes of administration, blood withdrawal, dissection and enzyme assays
- *In vitro*: Cell culture technique, cytotoxicity and intestinal cell permeability assays
- Data evaluation, analysis and interpretation
- Teaching and management ability

RESEARCH CONFERENCES / WORKSHOPS ATTENDED AND PAPERS PRESENTED:

- Attended the First Joint Safety Pharmacology Workshop organized by Safety Pharmacology Society and Society of Toxicology of India at Advinus Therapeutics Ltd., April 13-14, 2011, Bangalore.
- Attended the 4th International symposium entitled “Current Trends in Drug Discovery Research” (CTDDR 2010) at the Central Drug Research Institute (CDRI), Feb 17-21, 2010, Lucknow.
- **Oral presentation** entitled “Efficacy study of the bioactive fraction (F-3) of *Acorus Calamus* in hyperlipidemia” at 38th Annual Conference of the Indian Pharmacological Society, Dec 28-30, 2005, Chennai. **The presentation was awarded the FIRST PRIZE.**
- **Poster presentation** entitled “Assessment of the extract and bioactives of *Acorus calamus* in hyperlipidemic Golden Syrian hamsters” at 40th Annual Conference of the Indian Pharmacological Society, Nov 1-3, 2007, NIPER, Mohali, Punjab.
- Attended the Joint International Conference- Cardiovascular medicine, 31st Dec 2004-2nd Jan 2005, at Ahmedabad, Gujarat.
- **Poster presentation** “Evaluation of CNS depressant activity of essential oil of *Carum copticum*” at 36th Annual Conference of the Indian Pharmacological Society, Dec 5-7, 2003, Delhi.
- **Poster presentation** “Evaluation of CNS depressant activity of 'Ayurcam'; A Herbal formulation” at 36th Annual Conference of the Indian Pharmacological Society, Dec 5-7, 2003, Delhi.
- **Poster presentation** entitled “Analgesic, anti-inflammatory and antipyretic activities of Sandhivatahari pills” at 54th Indian Pharmaceutical Congress, Dec 13-15, 2002, Pune.

PUBLICATIONS:

- Efficacy study of the bioactive fraction (F-3) of *Acorus calamus* in hyperlipidemia. **Indian Journal of Pharmacology 2007**; 39(4):196-200.
- Review of plants having potential in the management of hyperlipidemia. **Medicinal Plants: Phytochemistry, Pharmacology and Therapeutics (2010)**, Chapter 14, Vol. 1, 258-296.
- Gayatri Shirolkar, Kedar Deshpande, Tina Saldanha, " Current and novel approaches in treatment of GERD ", **Inventi Rapid: Molecular Pharmacology** , Vol. 2013 , Article ID- " Inventi:pmp/193/12 "
- Smita Pillewan, Neeraj Vyawahare, Tina Saldanha, Sujata Taware, Neha Piarchand, " Experimental investigation of anti-rheumatoid activity of *Ailanthus excels* in adjuvant-induced arthritic rats ", **Inventi Impact: Ethnopharmacology** , Vol. 2013 , Article ID- "Inventi:pep/723/12 " , 2013 [cited 2013 Mar 02]
- Anand S. Gupta, Sanjay J. Kshirsagar, Mangesh R. Bhalekar, and Tina Saldanha. Design and development of liposomes for colon targeted drug delivery. **Journal of Drug Targeting, 2013**; 21(2): 146–160

SEMINARS/LECTURES DELIVERED:

- **GUEST LECTURE** entitled "Various aspects of Preclinical research: Pharmacodynamic, Pharmacokinetic and Toxicological studies" at Ghelot College of Pharmacy, Vashi, Navi Mumbai (Jan 2011)

- **PH.D.:**
 - High Density Lipoprotein: An Update.
 - An Overview of Matrix Metalloproteinases.
 - Lipoproteins and their metabolism: identifying therapeutic targets.
 - Insight into the Pathogenesis of Atherosclerosis.

- **M.PHARM.:**
 - Parkinson's disease: gene therapy as a novel strategy

TRAINING:

- Three months in the Cell culture Lab of **Panacea Biotec**, Mumbai. Trained in mammalian cell culture practice, cryopreservation, cytotoxicity assays and intestinal drug transporter assays (Jan-March 2010).
- Three months at the **Bio-organics Division of B.A.R.C.**, Trombay, Mumbai. Worked on Column and Preparative Chromatography (Jan-April 2006).
- One day training at **Anchrom Pvt. Ltd.**, Mulund, Mumbai. Trained in HPTLC fingerprinting.
- One month at **Sun Pharmaceutical Advanced Research Centre Limited**, Mumbai. Trained in Analytical techniques and Product development as part of Undergraduate In-Plant training (June-July 2000).

NON-ACADEMIC ACTIVITIES:

- Passed with Merit the Sixth Grade 'Pianoforte' examination of the Trinity College of Music, London.
- An avid reader, enjoys teaching and art and craft.

REFERENCES:

To be provided on request