



CURRICULUM VITAE

DR. BADMANABAN R.



E-mail: badu1977@gmail.com

Cell: +91 9376412384

badu1977@yahoo.co.in

- ✓ Having more than **Nine years** of teaching Experience in pharmaceutical education.
- ✓ To spread the knowledge which I have learnt in the field of pharmacy and to shine in the field as an Eminent Person.
- ✓ Proficient in qualitative and quantitative analyses of both biochemical and phytochemical Analysis with statistical data.
- ✓ Goal oriented enabler of creativity in students, seeking new opportunities in the field of pharmaceutical education and research.
- ✓ Firm Positive leader with excellent rapport among faculty, administration, students & parents, hard working dedicated role model.
- ✓ Skilled in selecting and adapting best teaching materials for classroom use with unique mix experience & knowledge to help students be attentive & lifelong learners

❖ EDUCATIONAL BACKGROUND:

Course	Year of Passing	University/Institute	Remarks
Ph.D.	2010	H.N.G.U – Patan, Gujarat	Degree Awarded
M.Pharm	2002	k. M College of Pharmacy (The Dr. M.G.R Medical University-Chennai), Madurai, India.	First Division 68%
B.Pharm	2000	k. M College of Pharmacy (The Dr. M.G.R Medical University-Chennai), Madurai, India.	64%

Ph.D. Research Project

“Phytochemical screening and investigation on pharmacological activity of leaf extracts of *Lagenaria siceraria* (mol.) stand”

Summary:

Owing all those factors and the property in mind, as well as the traditional claiming, the leaves portion has taken for the consideration to move ahead to prove the various pharmacological properties and to give the significant support to the scientific community to fill the paucity of studies. For the present study leaves extracts of *Lagenaria siceraria* Mol. was taken and on the basis of Ethno medical/tribal information and literature survey the leaves portion was selected for the research work.

- Extraction of crude extracts from different solvents, using soxhlet extraction method and optimization of the extracts by means of quantitative chemical content and proceed further with the selected extract.
- To perform the Pharmacognostical work for the standardization and as well for the authenticity for the plant source.
- To perform phytochemical screening and quantitative measurement by UV- visible spectrophotometer and by HPTLC
- To evaluate the hepatoprotective potential effects against carbon tetra chloride, Thioacetamide and Paracetamol induced liver damage.
- To evaluate the antitumor property by using DLA cell lines
- To Determine the Anti Microbial activity and Anthelmintic activity

M. Pharm. Research Project

“Formulation Development and quality control parameter (Thailam) Medicated oil.”

Description of the work:

- Thailam is nothing but a medicated oil formulation it comes under both Ayurvedic and siddha system of medicine the work has carried in various aspects, especially chemical and biological parameters like
- Proximate Analysis of Raw Materials
- Physico -chemical properties of the formulated oil including the spectral studies
- Stability testing
- Anti-inflammatory activity
- Wound healing activity

RESEARCH COMPETENCY

- ***Formulation development and standardization of herbal medicines***
 - Formulation development for monoherbals and polyherbals of Ayurvedha, sidhha, and Traditional system of medicine
 - Evaluation of critical process parameters & formulation variables by various optimization techniques
 - Proximate Analysis, Stability testing
 - In Vitro In Vivo studies and antimicrobial studies
 - Preclinical studies on animal models
- ***Analytical activities***
 - Analytical method development of drugs of herbals & pharmaceuticals dosage forms by HPTLC, HPLC and UV methods.

- Validation of analytical methods as per ICH Guidelines for allopathic medicines and WHO and API for Herbal drugs
- Analysis of stress degradation samples and real time stability studies
- Performing stability studies of the dosage formulations as per protocol.
- Developing standards for herbal reference s as marker compounds
- Statistical analysis & interpretation.

➤ **Instrument Handling Capabilities**

- ✓ High performance liquid chromatography –Shimadzu LC AT 10 and LC CHT 20.
- ✓ High performance thin layer chromatography(HPTLC)-DESAGA -Germany
- ✓ Double beam UV – Visible spectrophotometer –. Shimadzu 1700 and 1800
- ✓ FTIR Spectrophotometer- Shimadzu FTIR,

➤ **Software Knowledge**

Participated in the one month course on **Office Automation** (Fundamental, MS Office 2000, Basic Multimedia and Internet) in Shri Sarvajanik Computer Center, Mehsana, and Gujarat from **20 June-20 July 2007**

Skills

- ✓ MS office, Internet
- ✓ Graph pad Prism – students T test, ANOVAs, significant studies, Statistical conclusion
- ✓ Chem. draw –Simulating Chemical Structure

➤ **Research Interests**

- Formulation development studies
- Reverse Pharmacology studies for well claimed herbal originated formulations.
- Analysis of samples in herbal raw material, in-process and finished Product
- Novel analytical techniques and method development.
- Comparison of In Vitro In Vivo Correlation studies for traditional drug analysis

Teaching Experience

Present employment details:

Employer:

Shri Sarvajanik Pharmacy College, Near Arvin Park, Mehsana – 384 001, North Gujarat, India

Designation and Duration

Worked as a Senior lecturer from July 2007 to 25/10/08 and now I am working as an Assistant professor since 25th Oct, 2008 to till date

Subject handling:

- ✓ Pharmacognosy and Phytochemistry at U.G Level
- ✓ Quality Assurance and Chemistry of Natural Products at P.G Level

Job responsibilities

- To teach the students in a class as lectures (1or 2 hour)every day as per the schedule
- Conducting and evaluating seminars for M.Pharm level Students on their course subjects as well current Research area of Pharmacy
- Conducting practical work in course subject's everyday one session (4hours) especially based on work regarding plant extraction, isolation, and evaluation and Phytochemical investigations herbal drugs and marketed products
- Checking and evaluation of day-to-day individual practical work by regular work assessment.
- Conducting internal practical examination during every quarter of the year of academic session with viva voice.
- Evaluating the examination answer papers of the students in both internal examination and external examination as well for the U.G Level and P.G Level
- Guiding for Final B.Pharm and final semester M.Pharm students for their project on different topics of pharmacy related subjects
- Serves on various committees concern with college activities particularly as a coordinator for Library, Examination and Museum up gradation, purchasing of equipments.
- Advising and counseling students on programmed curricular and carrier decision.
- To attend and to conduct various teachers development programmes and Seminars in current topics as a part of development of institution and personnel

Previous Employment details

Employer

A.P.M.C College of Pharmaceutical Education and Research,College campus,
Motipura,Sabarkantha district, Himatnagar – 383001,North Gujarat,India.

Designation and Duration:

Worked as a lecturer from November 2002 to June 2007

Subject handled

- ✓ Pharmacognosy and Phytochemistry at U.G Level
- ✓ Job responsibilities are one and the same at present condition, excluding P.G level

Previous Employment details

Employer

International Naveen Siddha Research Institute, Nagamalai pudukotai, Madurai

Designation and Duration:

- Worked as Research Associate.
- From April 2002 to November 2002

Job responsibilities:

- Being a Research Associate, my prime function is to visit the Traditional healers and gather the information of traditional medicines and preparation procedures.
- To locate the availability of drug material in particular village, documenting records and procuring to purchase.
- To account the stocks materials in production area for further process.
- To handle the workforce at non-managerial levels like labors and other supporting workers.
- To schedule and execute the timely work on monthly basis.

Pharmacist Experience

- Worked as a **Pharmacist in Medicals**, Madurai-625014 from 2000 – 2002 by part time (18 hrs per week) Handled – patient Counseling, Over the Counter sales (OTC), Billing and Dispensing both Medicine and cosmetics items. Prescription handling, purchasing and Record keeping.

Research Experience

- Doctoral research work on Ph.D. project entitled phytochemical screening and investigation on Pharmacological activities of the leaf extracts of *Lagenaria siceraria* Mol. Standl under the supervision of Prof. (Dr.) C.N. Patel, Principal, Head of the Department of Pharmaceutical Chemistry, Dean of HNGU, Patan, North Gujarat
- 2 research papers presented in Siddha Medicine for all ages at Thirunelveli 2001 and 2002 respectively.
 - Toxicity studies of INSRI VEECEE Injection for the treatment of HIV / AIDS.
 - Standardization of Multicomponent Herbal formulation “Bronef Syrup”
- A research paper presented in IPC 2004 at Calcutta regarding the topic “Antifungal and Antibacterial activity of *Blepharis boerhaviaefolia*”

Reviewer of Scientific Journals

- Appointed as a Reviewer for the article in Research in **Pharmaceutical Biotechnology** in the year **2010** Title: Inhibitory activity of aqueous and ethanolic seed extracts of *Picralima nitida* on *Aspergillus flavus*, *Candida albicans* and *Microsporum canis*. (www.academicjournals.org/RPB)

- Appointed as a Reviewer for the article in Pharmaceutical Methods (www.phmethods.org), some of Reviewed research papers

ManuscriptID	Title	Receipt date	Completion date	Days taken	Remarks	Editorial decision
1	PHM_44_11	Development and Validation of UV-Spectrophotometric Method For Determination of Terbinafine Hydrochloride In Bulk And In Formulation - Read published paper	22-Aug-11	08-Sep-11	17	Remarks Accepted
2	PHM_55_11	A Validated High Performance Liquid Chromatographic Method for Estimation of Bromhexine and Terbutaline in bulk and Tablet Dosage Form - Read published paper	05-Oct-11	29-Oct-11	24	Remarks Accepted
3	PHM_59_11	Application Of UV Spectrophotometric Method For Easy And Rapid Estimation Of Lafutidine In Bulk And Pharmaceutical Formulation. - Read published paper	12-Nov-11	15-Nov-11	3	Remarks Accepted
4	PHM_62_11	: Detection of inducible clindamycin resistance by an automated system in a tertiary care hospital.	19-Nov-11	22-Nov-11	3	Remarks Rejected
5	PHM_66_11	Development And Validation of a RP-LC Method for the Estimation of Butylated Hydroxytoluene as Antioxidant in Paricalcitol Hard Gelatin Capsule Formulation Dosage Form - Read published paper	05-Dec-11	20-Dec-11	15	Remarks Accepted
6	PHM_68_11	UV-Visible spectrophotometric simultaneous estimation of paracetamol and nabumetone by AUC method in combined tablet dosage form	01-Jan-12	16-Jan-12	15	Remarks Accepted
7	PHM_9_12	Absorbance Correction Method for Estimation of Telmisartan and Metoprolol succinate in Combined Tablet Dosage Forms.	01-Feb-12	07-Feb-12	6	- -

ACADEMIC ACHIEVEMENTS:

Awards & Honors

- ✓ Recipient of AICTE Research Promotion Scheme Award of **RS. 14.5 Lac** for the year 2012
- ✓ Recipient of Minor Research Project Grant from GUJCOST-Gujarat Council of Science and Technology for the year 2008-2009

- ✓ Worked as a co-author at state level paper presentation competition in Gujarat during the year 2003 (won the second prize at U.G level award)
- ✓ Approved as a P.G Guide in Dec 2008 at the Department of Pharmacognosy, HNGU University, Patan, North Gujarat
- ✓ Guided **15 B.Pharm** during the year 2003 – 2009 and **8 M.Pharm** research projects during the year 2008 and 2011

PUBLISHED MONOGRAPHS IN BOOKS:

Dhrubo Jyoti Sen, Viraj P. Jatakiya and **R. Badmanaban**; Chapter *Reaction Monitoring by DPPH*: LAP Lambert Academic Publishing GmbH & Co. KG, Germany: 1-71, 2012. (ISBN: 978-3-8473-2541-3) <https://www.lap-publishing.com/catalog/details/store/gb/book/978-3-8473-2541-3/reaction-monitoring-by-dpph>

MEMBERSHIPS:

- Pharmacy registration number: Pondicherry Pharmacy Council: (2000), PPC/096/AI
- Member of the Association of Pharmaceutical Teachers of India (Life Member, 2005): APTI Enrolment Number: GU/LM-085

WORKSHOP/REFRESHER COURSE/SYMPOSIUM/GUEST LECTURE:

- Participated in the Indian pharmaceutical Congress on **Dec-2003** at Sri Ramachandra medical College and research institute, Chennai, TamilNadu
- Participated in the Indian pharmaceutical Congress on **Dec-2004** at Science City, Calcutta, West Bengal
- Attended the QIP- Quality Improvement program for young teachers: Advances in Molecular Biology and Pharmaceutical Biotechnology from 5th to 17th **January-2004** at Belgaum, .Karnataka
- Attended the QIP- Quality Improvement program for young teachers: Prospects and Perspectives of Natural Plant products in medicine from 1st to 13th **March -2004** at Belgaum, .Karnataka
- Participated one day workshop on Environment and pollution awareness at Ganpat Vidyanagar College, North gujart-18th sep-2004
- Participated in the one day **Workshop**: Sponsored by GUJCOST, Gandhinagar, Gujarat on *Patent Awareness Workshop* held at Shri Sarvajanik Pharmacy College, Mehsana, Gujarat on **14 July 2007**.
- Participated in the one month course on **Office Automation** (Fundamental, MS Office 2000, Basic Multimedia and Internet) in Shri Sarvajanik Computer Center, Mehsana, Gujarat from **20 June-20 July 2007**.
- Participated in the one day **SSPC Youth Festival 2009 (State Level Inter Pharmacy College Cultural Events)** at Shri Sarvajanik Pharmacy College, Mehsana, Gujarat on **2 January 2009**.

- Participated in two days **Paper Presentation Competition**; sponsored by: Gujarat Council of Science and Technology at Shri Sarvajanic Pharmacy College, Mehsana, Gujarat on **9-10 January 2009**.
- Participated in one day National Seminar on *Discovery and Development of New Chemical Entity and Product Development-Expanding Horizons in Indian Drug Industry*: sponsored by ICMR held at Shri Sarvajanic Pharmacy College, Mehsana, Gujarat on **28 February 2009**.
- Participated in the one day **Seminar**: Sponsored by Indian Council of Medical Research, New Delhi on *Biostatistics in Pharmaceutical Sciences* held at K.B. Institute of Pharmaceutical Education and Research, Gandhinagar, Gujarat on **26 September 2009**
- Participated in one day CSIR sponsored **National Seminar** on *Regulatory and Industrial Perspective on GMP and GLP in India vis a vis Developed Countries* held at Shri Sarvajanic Pharmacy College, Mehsana, Gujarat on **11 February 2010**.
- Participated in Gujarat Technological University organized two days **Workshop** on *Patenting in Pharmaceuticals for Pharmacy Faculties of GTU* held at Ahmedabad Management Association, Ahmedabad, Gujarat on **3-4 September 2011**.

PRESENTATION AT NATIONAL AND INTERNATIONAL (CONTRIBUTION)

- Kiran Manubhai Patel, Hardik Arvindbhai Patel, Dhrubo Jyoti Sen*, Bibhuranjan B. Panigrahi and **R. Badmanaban**; *In-vitro Evaluation of total reducing property of the synthesized molecule having variable atomic electronegativity*: **14th ISCB International Conference**; Organized by Indian Society for Chemists and Biologists, Lucknow at Central Drug Research Institute, Lucknow, Uttar Pradesh, **15-18 January 2010**.
-
- Viraj P. Jatakiya, Arpit D. Shah, Devanshi J. Raval, Dr. Dhrubo Jyoti Sen* and **Dr. R. Badmanaban**; Comparison study of antimicrobial and antifungal activity with effect of DPPH for antioxidant study of synthesised Schiff bases of Mannich bases of resacetophenone having variable electronegative atoms (:O:/:S:/:NH) (b) Kartik R. Patel and Dr. Dhrubo Jyoti Sen*; *V-I-B-G-Y-O-R of chemistry: a journey from micro to macro world: Practical Applications of Modern Tools in Organic Synthesis and Purifications II*, Organized by: Royal Society of Chemistry, UK & GlaxoSmithKline at Indian Institute of Science Education and Research (IISER), Pune, 2-4 April, 2012. (ACCEPTED)
- Ravi Natvarlal Patel, **Mr. R. Badmanaban** and Prof. Dr. Dhrubo Jyoti Sen*; *Metabolic engineering of microorganisms: general strategies and drug production*: **APOCALYPSE 2010**, at K.B. Institute of Pharmaceutical Education & Research at Gandhinagar, Gujarat, and **20-21 August 2010**.

PUBLISHED ARTICLES IN NATIONAL AND INTERNATIONAL JOURNALS:

- **R. Badmanaban**, C. N. Patel, P.Sam Daniel. *Pharmacognostical studies on Lagenaria siceraria (Mol.) stand Leaves*. International Journal of Chemical Sciences. 2009; 7(4):2259-2264.
- **R Badmanaban**, C N Patel, P Devi, D J Sen and K M Modh; *Studies on antimicrobial and anti-inflammatory activity of the siddha formulation (Thailam-Medicated oil)*: Research Journal of Pharmacology and Pharmacodynamics: 2(1), p: 83-88, 2010.
- Naman B. Doshi, Avani H. Sheth, **R. Badmanaban**, Dr D.J. Sen and Dr. C. N. Patel; *Scanning Electron Microscopy: An Analytical Technique for Unseen World of Micro-Space*: The Manufacturing Pharmacist; 02(07), p: 03-09, 2010.
- Avani Sheth, Naman Doshi, D. J. Sen, **R. Badmanaban**, C. N. Patel; *Synthesis of picric acid & para amino phenol derivatives for anti-microbial activity*: Journal of Chemical and Pharmaceutical Research; 2(2), p: 1-12, 2010.
- Patel Chetan, Patel Kamlesh, D J Sen, **Badmanaban R** and Ashish Parikh; *Development and validation of spectrophotometric methods for the estimation of cefadroxil in tablet dosage forms*: Journal of Chemical and Pharmaceutical Research; 2(2), p: 163-167, 2010.
- **R Badmanaban**, Prajapati Milan G, Patel CN, DJ Sen and Panigrah Bibhuranjan; *Studies on leaf extracts of drug punarnava by comparing its antioxidant potential by spectrophotometric method*: Research Journal of Pharmacy and Technology and Pharmacodynamics; 3(2), p: 566-569, 2010.
- Kiran Manubhai Patel, Hardik Arvindbhai Patel, Dhrubo Jyoti Sen, Bibhuranjan B. Panigrahi and **R. Badmanaban**; *In-vitro evaluation of total reducing property of the synthesized molecule having variable atomic electronegativity*: Journal of Chemical and Pharmaceutical Research: 2(3), p: 631-639, 2010.
- **R. Badmanaban**, C. N. Patel, Vinay Patel. *Determination of Polyphenolic content and In vitro antioxidant capacity of the leaves*
- *of Lagenaria siceraria (Mol.) stand*. Phcog.Journal. 2010; 2(7):162-169
- **R .Badmanaban**, C.N. Patel. *Studies on Anthelmintic and Antimicrobial activity of the leaf extracts of Lagenaria siceraria(Mol.)*. Journal of Global Pharma Technology. 2010; 29(4):66-70
- Urviben Yashodharbhai Patel, Prof. Dr. Dhrubo Jyoti Sen and **R. Badmanaban**; *Structure activity relationship study of synthesised Schiff bases and Mannich bases of substituted 5-methyl-1,2-dihydro-3H-pyrazol-3-one derivatives having variable electronegative atoms for antioxidant screening*; Asian Journal of Research in Chemistry; (ACCEPTED) 2011.
- **Viraj Pareshbhai Jatakiya**, Kiran Manubhai Patel, Ravikumar V. Modi, Dr. **R. Badmanaban** and Dr. **Dhrubo Jyoti Sen**; *In-vitro antioxidant assay of synthesised 2 & 4 substituted phenyl urea/thiourea (carboxylic acid/carboxamide) by using 1,1-diphenyl-2-picrylhydrazyl as a stable oxidant*: **International Journal of Drug Development and Research**: 3(4), 294-299, 2011. (ISSN: 0975-9344, Impact Factor: 0.03)

EXTRACURRICULAR ACTIVITIES

- Attended Personality Development and Leadership Training camps. Awarded First position 4 x 400 mts Relay Event at Inter moral sport meet at School Level.
- Participated in Regular N.S.S. activities during 1994 – 1996 at School Level.

HOBBIES

- Exploring databases through Internet
- Reading Books ,Articles and magazines
- Listening to Music, photographing

PERSONEL DETAILS:

Residential Address: No 1 Anand Nagar Society near gansham Park, visnagar link road
Mehsana-384001, Gujarat, India

Father's Name: Mr. N. Ramalingam Plantain merchant business, Paikadai lane Pondicherry-605001
India

Mother's Name: Mrs. Dhanalakshmi Ramalingam (Homemaker)

My Date of Birth: October, 12, 1977

Nationality: Indian

Religion: Hindu

Marital Status: Married

Physical Standards: **Height:** 6'4", **Weight:** 84 kg, **Eyesight:** Normal and **Blood Group:** O, Rh+ve.

REFERENCES:

1. Prof. (Dr.) Dhrubo Jyoti Sen ., Professor & Head

D.Pharm., B.Sc.(Hons), B.Pharm.(Hons), M.Pharm., Ph.D., FICS, CChem FIC (India), CChem FRSC (UK), CSci (UK) Recipient of K.K. Acharjee Award, Recipient of Jewel of India Award Recipient of Rashtriya Vidya Saraswati Puraskar, Recipient of Rashtriya Vidya Jyoti Award and Gold Medal, Recipient of Life Time Achievement Gold Medal Award, Recipient of Eminent Educationist Award, Recipient of International Gold Star Award, Recipient of Vidya Ratan Award, Recipient of Gyan Jyoti Gold Medal Award, Recipient of Bharat Excellence Award & Gold Medal, Recipient of India Inspiration Award & Gold Medal, Recipient of Seva Chakra Puraskar

Department of Pharmaceutical Chemistry, Shri Sarvajanic Pharmacy College, Gujarat Technological University, Arvind Baug, Mehsana-384001, Gujarat, India

Phone: 00-91-2762-247711 (Ext-307); **Fax:** 00-91-2762-247712;

Website: <http://www.sspcmsn.org> **Mobile:** 09979132823, 09913275067 (R),

E-mail: drubosen69@yahoo.com, dhubosen69@rediffmail.com

2. Prof. (Dr.) C. N. Patel

M. Pharm., Ph.D., FICS,

Dean, Faculty of Pharmacy,

Hemchandracharya North Gujarat University,

Designation : Principal and Professor, Department of Pharmaceutical Chemistry

Shri Sarvajanic Pharmacy College, Mahesana-384 001, Gujarat, India

Permanent address : A/25, Tulsi Banglows, Radhanpur Road,

Mehsana - 384 002, Gujarat, **IndiaTele phone No.** : 02762-247711 (O), 9825607880 (M),
9427614356 (R) Fax : 02762-247712 (O)

E-mail : drcnpatel2000@yahoo.co.in, drcnpatel@sspcmsn.org

ADDRESS FOR CORRESPONDENCE:

Current Address

Dr, Badmanaban.R, M. Pharm., Ph.D

Assistant professor,

Dept. of Pharmacognosy and Phytochemistry,

Shri Sarvajanic Pharmacy College, Near Arvind Park, `Mehsana – 384 001,

North Gujarat, India

Contact phone no: 02762-247711, 247712

Contact mobile no: 09376412384