

## **BIODATA**

**Name** : Kailash Gyanchand Bothara  
**Date of Birth** : 22<sup>nd</sup> Aug. 1959.  
**Residential Address** : 2, Ameya Appartments,  
11, Prashant Hsg. Soc.,  
Near Krishna Hospital,  
Paud Road, Pune – 411 038.  
Maharashtra, India.  
E-mail: kgbothra@gmail.com  
Mobile – 09665626992; (020) 66831801

**Qualification** :

S.N.	Degree	University	Class	Year
1.	B.Pharm.	Nagpur	I	1981
2.	M.Pharm.	Nagpur	I	1983
3.	Ph.D.	Pune	-	1993

**Experience:**

Sr. No	Name of Organization	Position held	Period	Experi ence(Y
01	College of Pharmacy,Kisan Vidhya Prasarak Sanstha,Shirpur.	Principal	1983-85	02
02	B.V.'s Poona College of Pharmacy,Pune	Lecturer Assist.Professor	1985-93 1993-97	08 04
03	AISSMS College of Pharmacy,Pune	Professor &Principal	1997-2009	12
04	NMIMS School of Pharmacy,Shirpur	Associate Dean	2009-10	01
05	Sinhgad Institute of Pharmacy,Pune	Principal	2010- till Dec 2013	

Recognized **Post-graduate teacher** and **Research Guide** of University of Pune.  
Total Experience is of 35 **years** in academics as well as research. The subjects taught are Medicinal Chemistry to Final Year B.Pharm. and M.Pharm. students. Guided over 45 M.Pharm. and 11 Ph.D. students.  
Has a sound knowledge of the instruments like HPLC, HPTLC, FT-IR, UV Spectroscopy.

Worked as Chief Investigator for two research projects, funded by *All India Council of Technical Education* (AICTE), New Delhi.

- Computer-aided drug design of Anti-hypertensive agents -----Rs. 12 Lacks.
- QSAR studies of acidic NSAIDS----- Rs. 7 Lacks.

**Topics of Interest:**

GABA-nergic agonists, anti-depressants, anti-spasmodics, anti-arrythmics, thromboxane synthetase inhibitors. A keen interest on CAD and QSAR studies of new drug entities.

**List of Research Publications:**

1. Screening of anticonvulsant activity of a structural analogue of GABA in albino rats. Medical Journal of Western India, 40,1994.
2. Synthesis and QSAR studies of some novel thromboxane A2 synthetase inhibitors, Indian Drugs, 24(4), Aug 1996.
3. Synthesis and QSAR studies of some 2,4-benzodizepines-1-ones as novel anti-arrhythmic agents, Indian Drugs 39(8). Dec.1996.
4. Synthesis and pharmacological studies of some 4-hydroxy-2-methyl-1,2-benithiazine-3-[(N-substituted phenyl)-N-2-carbmoylphrnyl] amide-1,1-dioxide as NSAIDs, Indian Drugs, 34(6), June 1997.
5. Molecular Modeling in Drug Design, Indian Drugs' 34(11), Nov. 1997.
6. Synthesis and pharmacological screening of novel anti-inflammatory agents, Indian Drugs, 35(6), June 1998.
7. Importance of docking studies in drug design, Indian Journal of Pharmaceutical Sciences, Nov. Dec. 1998.

8. `Mass Spectrometry in Genomics` Indian Journal of Pharmaceutical Sciences, 66(3), 2004, 265-271.
9. Combinatorial Chemistry, Indian Journal of Pharmaceutical Sciences, Sep. Oct. 1999.
10. Spectrophotometric method for estimation of Itopride Hydrochloride in bulk and tablet dosage form, Analytical Chemistry , 5(1 - 6 ),April, 2007, 134-136.
11. Anti-inflammatory, analgesic, ulcerogenic and nitric oxide releasing activities of some novel non-steroidal ibuprofen analogs in animal models. Pharmacologyonline 2: 572-587 (2008).
12. A validated stability indicating RP-HPLC method for determination of Aspirin and Atorvastatin Calcium, *Pharm Communique* (Suppl.) 2 (2 ),2009, 60-64.
13. A validated densitometric method for analysis of Aceclofenac and Paracetamol in combined tablets dosage forms. *Acta Chromatographia*. 20(1008), 2, 175-182.
14. Design, synthesis and evaluation of ant-inflammatory, analgesic and ulcerogenicity studies of novel S-substituted phenacyl-1,3,4-oxadiazole-2-thiol and schiff bases of diclofenac acid as non-ulcerogenic derivatives, *Bioorganic & Medicinal Chemistry* 16 (2008) 1822–1831.
15. Design, synthesis and pharmacological screening of novel nitric oxide donors containing 1,5-diarylpyrazolin-3-one as non-toxic NSAIDs. *European Journal of Medicinal Chemistry*, 44(11), November 2009, 4622-4636.
16. Design, synthesis and pharmacological screening of novel antihypertensive agents using hybrid approach, *Bioorganic & Medicinal Chemistry* 17,2009, 390–400
17. Recent advances and basis of drug design in GABA-nergic agonists, *Pharmainfo.net*, 5 ( 2) , 2007
18. Synthesis and anticonvulsant activity of clubbed thiazolidinone-barbituric acid and thiazolidinone–triazole derivatives, *ARKIVOC* 2007 (xiv), 58-74.

19. A validated HPTLC method for simultaneous determination of Nebivolol Hydrochloride and Hydrochlorothiazide from tablets, *Indian Drugs*, 45(12),2008, 948-951.
20. Simultaneous determination of Nitazoxanide and Ofloxacin in tablet formulation by ratio spectra derivative spectroscopy. *JPR Vol.7* (2), 2008.
21. Stability indicating HPTLC method for determination of Nebivolol Hydrochloride and Valsartan; *J.Pharma.Research*;8(4),2009,198-201.
22. A validated stability indicating HPTLC method for determination of Aspirin and Clopidogrel Bisulphate in combined dosage form; *Eurasian Journal of Analytical Chemistry*;4(2),2009,152-160.
23. Design, synthesis, and evaluation of anti-inflammatory, analgesic, ulcerogenicity, and nitric oxide releasing studies of novel indomethacin analogs as non-ulcerogenic derivatives, *Journal of Enzyme Inhibition and Medicinal Chemistry*, Pages 1-11, DOI 10.3109/14756360903357585. Posted online on 28 Jan 2010.
24. Evaluation of anticonvulsant activity of novel substituted 2-mercaptobenzimidazole derivatives; *Research J. Pharma. and Tech.*3 (2); April-June 2010.
25. Synthesis and evaluation of anti-inflammatory, analgesic,ulcerogenicity and nitric oxide-releasing studies of novel ibuprofen analogs as nonulcerogenic derivatives *Medicinal Chemistry Reserch*; DOI 10.1007/s00044-010-9389-z
26. A validated RP-HPLC method for quantitative determination of related impurities of ursodeoxycholic acid (API) by refractive index detection; *J.Pharm.Biomed.Anal.* (2010);doi:10.1016/j.jpha.2010.10.001.
27. Synthesis of some uracil derivatives using ionic liquid; *Pelagia Research Library*; 2(2),187-193,2011.
28. Pyrimidinedione: Pharmacophore Optimization of Selective Thymidine Monophosphate Kinase Inhibitors using Group QSAR Studies as Potential Antitubercular agents; *J. Chem. Pharma. Res.*,3(2),479-488,2011.

29. Design, Synthesis, Docking and Anti-mycobacterial activity of some novel thiouracil derivatives as thymidine monophosphate kinase (TMPKmt) inhibitors; 2(2),616-623, Apr-Jun 2011.
30. Design, synthesis and pharmacological screening of hybrid molecules as antihypertensives; MEDICINAL Chemistry Research, VOL 20, no.6, 705-713, July 2011(N);
- 31 Journal of Liquid Chromatography and related Technologies; 27<sup>th</sup> June, 2012

**List of Research Presentations:**

1. Synthesis and preliminary pharmacological screening of some 2-thio-4-phenyl urazole derivatives, 46th IPC, Dec. 1994.
2. Synthesis and biological evaluation of 3-aminoalkyl -7-nitro-8-chloro oxazolo-(4,5-B) pyridine-2-(3h)-ones. 46th IPC, Dec. 1994.
- 3 Substituted 2-Phenylaminopseudothiohydantoin as anticonvulsants, 46th IPC, Dec. 1994.
- 4 International Seminar On ‘ Recent Trends In Pharm.Sciences’, at Ootacamund, 18th Feb. 1995.
- 5 Synthesis and QSAR studies of novel GABA-nergic agonists, presented at ‘XIVth International Symposium on Medicinal Chemistry’, held at Maastricht, Netherlands in Sept. 1996.
- 6 Synthesis of novel GABA-nergic agonists with their preliminary pharmacological screening, 48th IPC, Dec. 1996
- 7 Spectrophotometric methods for determination of Nitazoxanide in bulk and tablet Dosage form and their comparison to reported method, presented at 59<sup>th</sup> IPC, December 2007.

- 8 Simultaneous spectrophotometric determination of Rabeprazole Sodium and Itopride Hydrochloride in bulk and capsule dosage form presented at 59<sup>th</sup> IPC, December 2007.
- 9 Simultaneous HPTLC determination of Escitalopram Oxalate and Clonazepam in combined tablets, *Chromatographia*., Second prize for best paper during 3<sup>rd</sup> Dr.P.D. Sethi's annual award – 2008 given by Anchrom, Mumbai.
- 10 Structure optimization of Isatin derivatives as potent, selective anticancer agents using molecular modeling studies, presented in 17th European Symposium on Quantitative Structure-Activity Relationships & OMICS Technologies and Systems Biology was held on 21-26 September 2008 at the Uppsala Concert & Congress Hall, Uppsala, Sweden.
- 11 Design of new chemical entities as selective COX-2 inhibitors using structure optimization by QSAR, 17th European Symposium on Quantitative Structure-Activity Relationships & OMICS Technologies and Systems Biology was held on 21-26 September 2008 at the Uppsala Concert & Congress Hall, Uppsala, Sweden.
- 12 Design, synthesis and pharmacological screening of novel anti-hypertensive agents using Hybrid approach Stability indicating HPTLC method for determination of Nebivolol Hydrochloride and Hydrochlorothiazide in the bulk and in pharmaceutical dosage form, presented at 20<sup>th</sup> *International Symposium on Pharmaceutical and Biomedical Analysis*, 1<sup>st</sup> to 4<sup>th</sup> March 2009 at Agra, India.
- 13 Stability indicating HPTLC method for determination of Nebivolol Hydrochloride and Valsartan in the bulk and in pharmaceutical dosage forms, presented at 20<sup>th</sup> *International Symposium on Pharma. and Biomedical Analysis* , 1<sup>st</sup> to 4<sup>th</sup> March 2009 at Agra, India.

14 Stress degradation monitoring of Cefpodoxime Proxetil by HPTLC bioautography, presented at 20th International Symposium on Pharmaceutical and Biomedical Analysis between 1st to 4th March 2009 at Agra, India.

15 Hybrid Drugs – MultiDrug Missile, presented at BITS 5<sup>th</sup> Annual International Congress of MedChem, Suzhou, China, September 2014

**List of Books authored/Co-authored :**

S.N.	Name of the Book	Year	Publication
01	Principles of Medicinal Chemistry Vol.I	1989	Nirali Publication, Pune.
02	Principles of Medicinal Chemistry Vol.II	1987	Nirali Publication, Pune.
03	Fundamentals of Pharmacology Vol.I	1991	Nirali Publication, Pune.
04	Fundamentals of Pharmacology Vol.II	1991	Nirali Publication, Pune.
05	Community Pharmacy & Health Education	1992	Nirali Publication, Pune.
06	Pharmaceutical Inorganic Chemistry	1993	Nirali Publication, Pune.
07	Pharmaceutical Organic Chemistry	1994	Nirali Publication, Pune.
08	Drug Index	1994	Lee Lamb Publications, Pune
09	Drug Design	1995	Nirali Publication, Pune.

**Contribution to Pharmacy Profession :**

- 09 books are authored related to pharmacy profession.
- Around 45 research papers are published/presented in the National and International conferences.
- Delivered lectures at different places like Pune, Nashik, Nagpur, Belgaum etc. as Resource Person in various AICTE Sponsored Staff Development Programmes.
- Visited countries like Nepal, Thailand, Singapore, Malaysia, Mauritius, China, UK and USA.
- Selected as fully sponsored delegate to attend Residential School on Medicinal Chemistry held in June 2001 at Drew University, USA.