

Name of the Faculty: Dr. Sanjay Pai P. N.
Designation: Professor and HOD
Department: Pharmaceutical Chemistry
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Educational Qualifications:

Sr. No.	Degree	University	Year of Award
1.	Ph. D. (Pharmacy) Thesis: Screening of Potential Fluorinated Non-Steroidal Anti-inflammatory Agents with Drug Design	Bangalore University	2003
2.	M. Pharm (Pharmaceutical Chemistry) Dissertation: Modified Method for the Synthesis and Newer Methods for the Analysis of Trihexyphenidyl hydrochloride (Govt College of Pharmacy, Bangalore)	Bangalore University	1991
3.	B. Pharm. (Govt College of Pharmacy, Bangalore)	Bangalore University	1989

Area of Interest:

Teaching	Pharmaceutical and Medicinal Chemistry, Pharmaceutical Analysis
Research Guiding scholars for M. Pharm and Ph D	Impurity Profiling, Analytical Method Validation, Drug Stability Studies
Research Centre	Goa College of Pharmacy, Panaji, Goa – 403 001 (Govt of Goa Institution)

Awards and Fellowships:

Sr. No.	Award/Fellowship	Year
1.	Certificate of Merit – PD Sethi Award for paper published in Pharmaceutical Analysis section (Pharma Reviews)	2008
2.	St. John's Pharmacy College Award 2006 – for the Best Paper Published under the section of Pharmaceutical Analysis in 'Indian Journal of Pharmaceutical Education and Research'	2005 – 2006
3.	Gold medallist – B.Pharm (Bangalore University)	1989

Projects Guided:

Year	1997-1998	1998-1999	1999-2000	2000-2001	2001-2002	2002-2003	2003-2004	2004-2005
B. Pharm	---	---	---	---	---	---	---	---
M. Pharm	01	01	01	03	03	02	03	02
Ph. D / Other	---	---	---	---	---	---	---	---

Year	2005-2006	2006-2007	2007-2008	2008-2009	2009-2010	2010-2011	2011-2012	2012-2013	
B. Pharm	---	---	---	---	---	---	---	---	
M. Pharm	03	02	03	02	03	02	03	04	
Ph. D / Other	---	02							

Year	2013-2014	2014-2015	2015-2016	2016-2017	2017-2018			
B. Pharm	---	---	-	-	-			
M. Pharm	03	02	02	02	02			
Ph. D / Other	---	---	(01)	(02)	(03)			

Research Statistics (last five years):

Year	Total	2017	2016	2015	2014	Before 2013
National Research Papers	48	1	5	-	2	40
International Research Papers	36	-	2	-	1	33
National Research Presentations	24	2	---	---	---	---
International Research Presentations	---	--	---	---	---	---
National Patents	---	---	---	---	---	---
International Patents	---	---	---	---	---	---

Recent Publications: 2012-13 onwards

Sr. No.	Paper Title	Journal / Year / Vol / Page
1.	Head Space Gas Chromatography Analysis of Residual Solvents by using EC-5 column	International Journal of Pharmaceutical Chemistry Research, Vol. 1, Issue 1, 2012, 22-27.
2.	Synthesis and Characterization of Specified Impurities of Aceclofenac	<i>Chem Sci Trans.</i> , 2013, 2(3), pp 813-820
3.	Spectrophotometric Method for Estimation of Linezolid in Tablet Formulation	Asian Journal of Biomedical and Pharmaceutical Sciences; 2013, 3 (21), 4-6.
4.	Development of a New Spectrophotometric Method for the Determination of Balofloxacin in tablet Dosage Forms	International Journal of Scientific Research, July 2013, 2 (7), 76-77.
5.	New Spectrophotometric Method for the Estimation of Isosorbide Mononitrate in Bulk and Tablet Formulation	Oriental Journal of Chemistry, 2013, 29 (2): 771-775.
6	Analytical Methods for Determination of Balofloxacin in Tablets	International Journal of Scientific Research, August 2013, 2 (8), pp 68-68.
7	Spectrophotometric Determination of Balofloxacin by Ion-Pair Complexation Reaction in the Bulk and Tablet Dosage Forms	Asian Journal of Pharmaceutical and Clinical Research, Vol. 6, Issue 4, 2013, 22-24.
8	A Validated UV Spectroscopic Method for the Simultaneous Determination of Benzil Impurity in Phenytoin Sodium	India Drugs, 50 (09) September 2013, pp 31-33
9	Development and Validation of a New Spectrophotometric Method for the Determination of Balofloxacin in Pharmaceutical Dosage Forms	Journal of Pharmaceutical and Scientific Innovation, Vol. 2, Issue 4, Jul-Aug 2013, 59-61.
10	A Comparative Study of Linezolid Stability Samples by Validated Spectrophotometric and Turbidimetric Microbial Assay Methods	Asian Journal of Biomedical and Pharmaceutical Sciences, Vol. 3, Issue 24, 2013, 22-26.
11	A Validated UV Spectroscopic Method for Simultaneous Determination of Benzil and Benzophenone Impurities in Phenytoin Sodium	Asian Journal of Chemistry, 26(13) July 2014, pp 3823-3826.
12	Simultaneous Estimation of a Three Component Mixture of Aspirin, Caffeine and Orphenadrine Citrate by UV Spectrophotometric Method of Absorbance Correction for Interference	., Indian Journal of Applied Research, Vol. 6, Issue 2, Feb 2016, 26-28 [ISSN – 2249-555X].
13	Comparative Study of RP-HPLC and UV Spectrophotometric Methods for Assay of Balofloxacin in Pharmaceutical Dosage Forms	International Journal of Scientific Research, Vol. 5, Issue 2, Feb 2016, 56-58

		[ISSN – 2277-8179].
14	RP-HPLC Method Development and Validation for Simultaneous Estimation of Aspirin, Caffeine and Orphenadrine Citrate in Tablet Formulation	International Journal of Science and Research, Vol. 5, Issue 1, Jan 2016, 1170-73 [ISSN (ONLINE): 2319-7064].
15	Simultaneous Analysis of a Three Component Mixture by Vierordt's Simultaneous Equation Method	Indian Drugs, 2016, 53, 10, 40-42.
16	Regulating Industry Projects of M. Pharm Students-Need of the Hour	Journal of Pharmaceutical Research, Vol. 15, Issue 2, Apr-Jun 2016, 26-27 [ISSN – 0973-7200].
17	Development and Validation of a Stability-Indicating RP-HPLC Method for the Estimation of Indomethacin in Pharmaceutical Capsule Formulation	Journal of Pharmaceutical Research, Neelam Sawant, Sanjay Pai., Vol. 15, Issue 3, Jul-Sep 2016, 79-85 [ISSN – 0973-7200].
18	Development and Validation of a RP-HPLC Method for the Simultaneous Estimation of Sulfadoxine and Pyrimethamine in Combined Dosage Tablets	Indian Journal of Pharmaceutical Education and Research, Vol.50, Issue 3, Jul-Sep 2016, 489- 494 [ISSN – 0019-5464].
19	Applications of New Validated RP-HPLC Method for Determination of Indomethacin and its Hydrolytic Degradants using Sodium Acetate Buffer	Indian Journal of Pharmaceutical Education and Research, Vol. 51, Issue 3, Jul-Sep, 2017, 388-392 [ISSN – 0019-5464].

Recent Patents: NIL

Books/ Chapters published:

Sr. No.	Title of the Book / Book Chapter	Publication Details
1.	Three Chapters in Book – Clinical Studies: Pharmacokinetics, Biomedical Analysis and Bioequivalence	Text Book published by Sikkim Manipal University for Master of Science course

Recent Presentations:

Sr. No.	Presentation Title	Conference Details
1.	U.V. Spectrometric method for determination of cefoperazone sodium using Imidazole	Mereway (11) reagent – 51st IPC at Indore (1999)
2.	Spectrometric method for estimation of trihexyphenidyl hydrochloride using Bratton Marshall Reagent	52nd IPC at Hyderabad (2000)
3.	Spectrometric method for estimation of cefoperazone sodium using 1,10	Phenanthroline Reagent – 52nd IPC at Hyderabad (2000)
4.	Reverse phase liquid chromatographic determination of Formoterolfumarate in Rotacap formulation	54th IPC at Pune (2002)
5.	Synthesis of certain 3-(4-chlorophenoxy-methyl)-6-substituted phenyl 5,6-dihydro- triazolo (3,4-b) (1,3,4)-thiazoles as antimicrobial agents	54th IPC at Pune (2002)
6.	Method development and its validation of Metoprolol tartrate and hydrochlorthiazide	54th IPC at Pune (2002).
7.	Cleaning validation for liquid oral department of a pharmaceutical company	54th IPC at Pune (2002)
8.	Determination of Organic Volatile Impurities in oral solid coated dosage forms	55th IPC at Chennai (2003)
9.	Spectrophotometric estimation of Carbocysteine in capsule formulations	55th IPC at Chennai (2003)
10.	Synthesis and antimicrobial evaluation of certain heterocycles containing sulphur and nitrogen: Thiazole and Triazolo-thiadiazole systems	55th IPC at Chennai (2003)
11.	Synthesis and evaluation of antimicrobial activity of certain substituted 5-(b- Naphthyloxy-4(substituted benzylidene amino)-3-mercapto-4(H) 1, 2, 4- triazoles	55th IPC at Chennai (2003)
12.	HPLC method for simultaneous estimation of Rofecoxib and Tizanidine hydrochloride in tablets.	56th IPC at Kolkata (2004)
13.	Organic Volatile Impurities in Pharmaceuticals	APTI 10th Annual National Convention, Nagpur (2005)
14.	Simultaneous Estimation of Organic Volatile Impurities	58th IPC at Mumbai (2006)
15.	Simultaneous Estimation of Residual Solvents	APTI 11 th Annual National Convention, Bangalore (2006)
16.	Reverse Phase HPLC Determination of Salbutamol Sulphate, Theophylline Hydrochloride and Bromhexine Hydrochloride	APTI 11 th Annual National Convention, Bangalore (2006)
17.	Spectrophotometric Estimation of Ambroxol by P-Dimethyl Amino Cinnamaldehyde Method	APTI 11th Annual National Convention, Bangalore (2006)
18.	Determination of Residual Solvents in Intermediates and Active Pharmaceutical Ingredients by Gas Chromatography	59th IPC at Varanasi (2007)
19.	Characterization and Quantification of Pharmacopoeial Impurities of Mesalazine	60th IPC at New Delhi (2008)

20.	Determination of Organic Volatile Impurities in Herbal Dosage Form	60th IPC at New Delhi (2008)
21.	RP-HPLC Method for Simultaneous Estimation Doxylamine Succinate and Pyridoxine Hydrochloride in Tablets	61st IPC at Ahmedabad (2009)
22.	Simultaneous determination of Metranidazole and Amoxicillinetrihydrate in marketed formulation by using UV spectroscopy	61st IPC at Ahmedabad (2009)
23	HPLC as a Tool for Prediction of Interaction between Sensitive Drug and its Possible Degradants in Combined Dosage Forms	69 th IPC at Chandigarh (2017)
24	Optimizing Extraction Procedures for Flurbiprofen and Methyl Salicylate from Topical Gel Formulations and their Simultaneous Estimation by New UV Spectrophotometric Method	69 th IPC at Chandigarh (2017)

Lectures Delivered at QIP/ National and Regional Workshops/ Symposiums/ Conferences:

Sr. No.	Title of the Talk	Conference Details
1.	Theory and practice of Quality Assurance	UGC sponsored workshop at Department of Pharmacy, Annamalai University, Annamalai Nagar (Oct 2005)
2.	Gearing up for accreditation	APTI Kerala State Branch organized workshop on accreditation at Al- Shifa College of Pharmacy, Perintalmanna, Kerala, 12th November 2005
3.	Pharmaceutical and Biomedical Analysis	Guest faculty for Sikkim-Manipal University – M.Sc – Clinical Research Programme (2007-2008)
4.	Accreditation by NBA – Benefits	Srinivas College of Pharmacy, Mangalore, December 2007
5.	Analytical methods for Characterization of Active Constituents in Herbal Products	AICTE sponsored national workshop at <i>Lugman College of Pharmacy, Gulbarga</i> on date 11th January 2008
6.	Spectral interpretation	<i>M.S. Ramaiah College of Pharmacy, Bangalore</i> organized Two Day workshop (01st and 03rd March 2008)
7.	Need for Peer Review	<i>Manipal College of Pharmaceutical Sciences, Manipal</i> – AICTE workshop - Scientific Writing

		in Research Journals- Improving the written communication skills
8.	Effective Thesis Writing	Al-Ameen College of Pharmacy, Bangalore – AICTE workshop on dt. 25 June 2008
9.	NMR and Mass Spectroscopy	SreeSiddaganga College of Pharmacy, Tumkur– RGUHS sponsored workshop on dt. 10-11 April 2009
10.	Residual Solvent Analysis	PES College of Pharmacy, Bangalore – AICTE sponsored QIP programme dt. 17 June 2009
11.	Novel Concepts in Pharmaceutical Research– Topic presented: 'Fascinating Area of Impurity Analysis'	NGSM Institute of Pharmaceutical Sciences, Mangalore – RGUHS and NITTE University, Mangalore sponsored National level Symposium on dt. 17 July 2009
12.	Principles and Application of NMR Spectroscopy	Krupanidhi College of Pharmacy, Bangalore – DBT sponsored workshop – Spectroscopy and Chromatographic Techniques on dt. 03 August 2009
13.	Quality Assurance- Need of the Hour	Siddhartha College of Pharmacy, Vijayawada – National Symposium on dt. 15 October 2009
14.	Perky mind and aHealthy body for a Sturdy Product	Sinhgad College of Pharmacy, Pune – Pune University sponsored Seminar – How to write a research paper? On dt. 27 February 2010
15.	Spectral Interpretation	Karnataka College of Pharmacy, Bangalore – Guest Lecture on dt. 19 April 2010
16.	What Next in Pharmacy	IPA, Goa State Branch at Goa College of Pharmacy, June 2012
17.	Enhancement of Teaching and Learning Skills in Pharmaceutical Chemistry Through Problem Solving Approach	Bharti Vidyapeeth Deemed University - Poona College of Pharmacy, Pune – Dec 2013)
18.	Funding for Research Projects	(Goa College of Pharmacy, Panaji – March 2014)- During the AICTE sponsored workshop.
19	Innovative Analytical Techniques for Chemical Analysis in Drug Discovery	KLE College of Pharmacy, Hubli, Karnataka, India – 24 th Dec 2016
20	Scientific Writing and Plagiarism	Amity University, Lucknow Campus – 29 th Aug 2017

Projects Co-ordinated with UGC/ DST/ AICTE/ CSIR/ others: NIL

Grants applied / awarded:

Sr. No.	Title of the Project	Funding Agency	Status	Amount Sanctioned
1	Determination of Organic Volatile Impurities in Active Pharmaceutical Ingredients Leading to Coated Solid Dosage Forms	AICTE-MODROBS (2003-04)	Completed	Rs. 4 Lakh
2	Modernization of Facilities at Pharmaceutical Analysis Laboratory	AICTE-MODROBS (2013-14)	Completed	Rs. 20 Lakh
3	Impurity Profiling of Drugs as a Tool for Increasing Safety of Drug Therapy	AICTE-RPS (2013-15)	Completed	Rs. 22 Lakh

Industry-Academia Interaction:

Sr. No.	Theme of the Project Co-ordinated
1.	Guest faculty for 'BITS, Pilani' – Master of Science (MS) Contact Programmes for the Employees of Strides Arcolab (2004-2006)

Consultancy:

Sr. No.	Theme of the Project Co-ordinated
1	Cleaning validation of multipurpose liquid oral facility (SB Pharmaceuticals)
2	Cleaning validation for liquid oral department of a pharmaceutical company (Anglo French Drug House)
3	Method Development and its validation of Metoprolol tartrate and Hydrochlorthiazide in combination (Astra Zeneca)

Memberships of Professional Societies:

Sr. No.	Professional Societies	Membership No.
1.	Association of Pharmaceutical Teachers of India	KA/LM-142
2	ISTE	
3	Indian Society of Analytical Scientists	

Academic Honours

1. Member, **Ph. D Registration Committee**, Rajiv Gandhi University of Health Sciences, Karnataka (2005 to present)
2. Member, **Scientific Services Committee**, Indian Pharmaceutical Congress Association (2007 to 2009)- Organised lectures and poster sessions at Varanasi (2007), New-Delhi (2008) and Ahmedabad (2009)
3. Co-chairman, Scientific Services Committee, **APTI National Convention**, Bangalore (Sep 2006) and **International Herbal Conference**, Bangalore (Feb 2009)
4. **Curriculum Development and Examinership**- UG and PG Examinations - Bangalore University, Rajiv Gandhi University of Health Sciences, Karnataka, Goa University, Tamil Nadu Dr. M.G.R. Medical University, Chennai, Kerala University, Kakatiya University, Manipal University, SRM University, Chennai, Mumbai University, Pune University, Jawaharlal Nehru Technological University, Hyderabad, Osmania University, Andhra University, VIT University, KLE University, JSS University, PRIST University, Board of Examining Authority, Karnataka (Diploma Examinations)
5. **Editor-in-Chief – Indian Journal of Pharmaceutical Education and Research** (2006 to 2013)
6. Reviewer for Journals-
Indian Journal of Pharmaceutical Sciences
Indian Drugs
African Journal of Microbiology (AJMR, Academic Journals)

List of conferences, short-term courses etc. organized/participated

1. Rajiv Gandhi University of Health Sciences, Karnataka workshop for framing B. Pharm working syllabus – at M.S. Ramaiah College of Pharmacy, Bangalore (1998)
2. Rajiv Gandhi University of Health Sciences, Karnataka workshop for framing M. Pharm working syllabus – at V.L. College of Pharmacy, Bangalore (Oct 1998)
3. Participant at a workshop on 'Assessment of Quality of Drugs and Pharmacy Module- II: Quality Issues during Pharmaceutical manufacturing' organized at NIPER, Mohali (Oct 1999)
4. 4th APTI Annual National Convention, Coimbatore (Nov 1999)
5. 51st Indian Pharmaceutical Congress at Indore (Dec 1999)
6. 5th APTI Annual National Convention at Udaipur (Sep 2000)
7. 52nd Indian Pharmaceutical Congress at Hyderabad (Dec 2000)
8. AICTE – National Board of Accreditation Awareness workshop held at Bangalore (Dec 2000)
9. 6th APTI Annual National Convention at Nashik (Sep 2001)
10. Participated as delegate at a workshop on 'Community Pharmacy' organized by IPA-Community Pharmacy division, Goa (Sep 2002)
11. 7th APTI Annual National Convention at Panjim, Goa (Sep 2002)
12. 54th Indian Pharmaceutical Congress at Pune (Dec 2002)
13. Participated as delegate at a workshop 'Bridging the gap between the present and the future in Drug Discovery'- organised by Al-Ameen College of Pharmacy (Apr 2003)
14. 8th APTI Annual National Convention at Hubli (Oct 2003)
15. 55th Indian Pharmaceutical Congress at Chennai (Dec 2003)
16. Participated as delegate at a workshop 'Destress- Healthy living and highthinking' participated one day workshop' - organised by Al-Ameen College of Pharmacy (Apr 2004)
17. International APTI Convention, Visakhapatnam (Oct 2004)

18. 56th Indian Pharmaceutical Congress at Kolkata (Dec 2004)
19. 10th APTI Annual National Convention, Nagpur (Oct 2005)
20. 11th APTI Annual National Convention, Bangalore (Sep 2006)**Co-chairman, Scientific Services Committee**
21. 12th APTI Annual National Convention, Chandigarh (Oct 2007)
22. 59th Indian Pharmaceutical Congress at Varanasi (Dec 2007)**Member, Scientific Services Committee, IPCA**
23. 13th APTI Annual National Convention, Bilaspur (Oct 2008)
24. 60th Indian Pharmaceutical Congress at New-Delhi (Dec 2008)**Member, Scientific Services Committee, IPCA**
25. International Herbal Conference at Bangalore (Feb 2009)**Co-chairman, Scientific Services Committee**
26. 14th APTI Annual National Convention, Jodhpur (Oct 2009)
27. 61st Indian Pharmaceutical Congress at Ahmedabad (Dec 2009)**Member, Scientific Services Committee, IPCA**
28. 15th APTI Annual National Convention, Hyderabad (Oct 2010)
29. 62nd Indian Pharmaceutical Congress at Manipal (Dec 2010)
30. 63rd Indian Pharmaceutical Congress at Bangalore (Dec 2011)
31. 69th Indian Pharmaceutical Congress at Chandigarh (Dec 2017)