

Editorships and Journal Reviewers

- a) **Chief Editor** of "Indian Journal of Pharmacology", the Official Journal of Indian Pharmacological Society (1992 to 2000).
- b) **Editor – Pharmacology**, Indian Journal of Pharmacology and Physiology (2011 – 2014)
- c) **Member of Editorial Board (8 journals):**

Indian Journal of Medical research , Indian Journal of Pharmacology, Drug metabolism and Pharmacokinetics, Biomedicine, Biomedical Research, International Journal of Health & Allied Science, Therapeutic Advances in Cardiology, BLDE University Journal of Health Sciences

- d) **Referee/Reviewer (20 journals):**

(i) *Foreign (11):*

British Medical Journal, European Journal of Clinical Pharmacology, Acta Pharmacologica Sinica, Basic & Clinical Pharmacology & Toxicology, BMC Clinical Pharmacology, European Journal of Cancer, Journal of renin-angiotensin-aldosterone system, Clinica Chimica Acta, Pharmacogenomics, Pharmacological Research, Expert Opinion on Drug Metabolism and Toxicology (*received top reviewer award for the year 2008*)

(ii) *Indian (9):*

Indian Journal of Medical Research, National Medical Journal of India, Indian Journal of Experimental Biology, Indian Journal of Pharmacology, Indian Journal of Physiology and Pharmacology, Biomedicine, Biomedical Research, Journal of Postgraduate Medicine, Journal of Pharmaceutical Research

Ph.D. Guideships

Sl No.	Name of Student	Title of Dissertation	Guide/ Co-guide	Year
1	Mr.Benny K Abraham	Genetic polymorphism of CYP2D6 in four south Indian states	Guide	1996-2000
2	Mr.K.Koumaravelou	Influence of honey on the pharmacokinetics of drugs	Guide	1998-2002

3	Mr. A.T. Naveen	Genetic polymorphism of GSTM1, GSTT1 and CYP2D6 in the South Indian population	Guide	2002-2007
4	Miss. Rosemary Jose	The pharmacogenetics of CYP2C9 and CYP2C19 in the South Indian population	Co-guide	2003-2006
5	Mrs.Padmaja N	Pharmacogenomics of coronary heart disease in a South Indian population	Guide	2003-2007
6	Mrs. Soya Sisy Sam	Genetic polymorphisms of drug metabolizing enzymes and transporter protein in the susceptibility to upper aero digestive tract cancers in a South Indian population	Guide	2003-2007
7	Mr. R. Kesavan	Influence of CYP 2C9, CYP2C19, and MDR1 polymorphisms on phenytoin metabolism and clinical response in the South Indian epileptic population	Guide	2003-2008
8	Mr. P. Ramu	Genetic susceptibility to essential hypertension in a South Indian population	Guide	2005-2009
9	Dr. Sunil. K. Narayan	Neuropharmacology of stroke	Guide	2007-2013
10	Mr. U. S. Chakradhara Rao	Characterization of 5' regulatory region of CYP2C19 in South Indian population	Co-guide	2007-2009
11	Mr.Krishnakumar	Genetic polymorphism of UGT1A1, TPMT and CYP3A5 genes in south Indian populations.	Guide	2009 – 2010
12.	Dr.G.K.Pal	Assessment of the role of sympathovagal markers in a study population of prehypertensives	Guide	2010- 2014
13	Mr.S.Ganesan	Frequency of Adverse Drug Reactions, its economic impact and effect of intervention on reporting behaviour of doctors and nurses in a tertiary care teaching hospital in south India.	Guide	2011-15
14	Mrs.Revathy	Influence of genetic polymorphism and prakriti type on response to Inhaled Corticosteroids (ICS) in South Indian patients with persistent asthma	Guide	2011-15

Examinerships

1) Examinerships (M.D., M.Pharm, Ph.D., D.M and DNB (Clin.Pharmacology)):

- (1) Nizam Institute of Medical Sciences, Hyderabad
- (2) Dr. M.G.R. Medical University, Madras;
- (3) Rajiv Gandhi University of Health Sciences, Bangalore;
- (4) Pondicherry University, Pondicherry
- (5) Mysore University, Mysore;
- (6) Dr.N.T.R.Univ. of Health Science, Vijayawada
- (7) All India Institute of Medical Sciences, New Delhi
- (8) University of Delhi, New Delhi
- (9) University of Calcutta,
- (10) PGIMER, Chandigarh
- (11) National Board of Examinations, New Delhi
- (12) Barkatullah University, Bhopal
- (13) University of Calcutta, Calcutta
- (14) University of Madras, Chennai
- (15) Kerala Health University
- (16) Manipal University
- (17) Maharashtra University of Health Sciences, Nashik
- (18). B.P.Koirala Institute Health Science, Nepal

Academic Activities, Positions and responsibilities in JIPMER and other Institutes

1) a) Responsibilities at JIPMER at time of retirement *besides routine teaching work:*

- 1) Faculty (Research)
- 2) Chairman, Thesis Digitalizing Committee
- 3) Chairman, Cadre Restructuring Committee of JIPMER staff
- 4) Member, Senior Leadership Group, JIPMER
- 5) Member, Director Advisory Committee
- 6) Chairman, Enquiry Committee of Faculty and Residents issues
- 7) Member, Scrutinizing Committee of Faculty Recruitment
- 8) Member, PhD counseling Committee
- 9) Member, Sponsored Clinical Trial Review Committee
- 10) Member, JIPMER Scientific Advisory Committee (JSAC)
- 11) Member, JSAC Internal Committee
- 12) Member, Scrutinizing Committee of Assured Promotion Scheme (APS) of JIPMER faculty
- 13) Member, PAC/RRC Hospital Committee
- 14) Member, JIPMER Purchase Committee
- 15) Co-ordinator, Pharmacovigilance Center
- 16) Co-ordinator, Drug Information Center
- 17) Member Secretary, Pharmacovigilance Advisory Committee

b) Previous Responsibilities at JIPMER

- 1) Member, Governing Body of JIPMER
- 2) Officer-in Charge of Purchase (5 years): First officer to hold this post. Prepared written guidelines, reorganized several subcommittees related to the purchase and streamlined the purchase procedure of the Institute and Hospital.
- 3) Chairman, Drug Purchase and Utilization Monitoring Committee (2 years)
- 4) Faculty (In-charge), Establishment of Multidisciplinary Advance Research Centre (MARC)
- 5) Warden, UG Boys Hostel
- 6) Chairman, Screening Committee for starting new PG and super-specialty courses
- 7) Member, Golden Jubilee Celebration Committee of JIPMER
- 8) Chairman, Accommodation Committee – SPANDAN 2014 and 2015
- 9) Chairman, Selection committee for the posts of Pharmacists, lab. Technicians and other Group C posts - several times

- 10) Chairman, JIPMER Ph.D. Studies committee (*under autonomous status*)
- 11) Faculty In-charge, Finance Division, JIPMER
- 12) Member, Interim Board of Examinations, JIPMER (*under autonomous status*)
- 13) Member, Committee for assessing man power requirements of JIPMER (*under autonomous status*)

- 14) Vice-Chairman, Drug Purchase and Utilization Monitoring Committee
- 15) Chairman, Committee for Purchase of new books to central library (2008-2009, 2013, 2014)
- 16) Member Secretary, Institute Ethics Committee (Human studies)
- 17) Member, Editorial Board – JIPMER News
- 18) Officer-in charge of Hospital Pharmacy (1 year)

2) Development of new specialties/facilities in the department:

- (i) Pharmacogenomic Laboratory:** The first Pharmacogenomic Laboratory in a Medical College in India was established by me with financial support from the ICMR & JIPMER and technical advice from Dr. Krishnamoorthy, INSERM, France. Now it has been upgraded as an “ICMR Center for Advanced Research in Pharmacogenomics”. It is equipped with real time PCR, PCRs, multiplate reader, biophotometer, gel documentation system, equipments needed for cloning and cell culture workers etc. This center is also conducting regular annual training programme in pharmacogenomics.

- (ii) Pharmacovigilance:** Established the “Regional Pharmacovigilance Center” at JIPMER in 2004 with the financial support from Ministry of Health and Family Welfare, Govt. of India. Now, it is renamed and functioning as Adverse Reaction Monitoring Centre under Indian Pharmacopoeia Commission, Delhi

- (iii) Drug Information Center:** The first drug information center at Pondicherry was established in 2007 with computers, CDs, recent text books and supporting online resources. It is catering to the needs of healthcare workers and public.

(iv) Clinical Pharmacology: Established the Clinical Pharmacology department with 6 beds for Clinical Research. Started DM in Clinical Pharmacology. Till now, 3 batches have completed the course. It is equipped with LC – MS-MS, HPLC, gamma counter, spectrophotometer, spectrofluorimeters, sample evaporation system etc. which are needed for pharmacokinetic studies. Besides, facilities are created for pharmacodynamic works with state of art equipments for sleep studies, psychomotor testing, endothelial function assessment, pulmonary function testing, 24 h ambulatory B.P. monitoring etc.

(v) Drug Monitoring and Toxicology Services: Organized the drug monitoring and hormone assay services in JIPMER Hospital. Drugs monitored are tacrolimus, cyclosporine, carbamazepine, phenytoin, phenobarbitone, theophylline, salicylate etc. (b) Screening of urine and blood samples for morphine, pethidine, phenobarbitone, chlorpromazine and salicylate toxicities by TLC and colour tests.

3) Expertise in Information Technology

Well versed in modern information technology. Has good knowledge of bio-informatic tools, bibliographic software like reference manager, journal management software, designing of web sites using Front page etc.

- a) Established the web site for IPS and IJP (URL: www.iip-online.com) - first website for any biomedical journal in India.
- b) Converted 32 years paper publication of Indian Journal of Pharmacology into the electronic form. in a CD. All the full text articles of the journal (from 1969 till 2000) were made available free at the journal web site – the first journal to have this facility in India.
- c) Has established and is the moderator of the e-group INDPHARM, (in 1999, 2600 members) an electronic discussion forum for Pharmacologists of India.

Chairmanships, memberships of Awards, Selection and Academic committees outside JIPMER

A. Govt. of India and other organizations recognitions/appointments

- 1) Member, Indian Pharmacopoeia Commission, Govt. of India, New Delhi

- 2) Chairman, ICMR Scientific Advisory Committee of ICMR-NIC for biomedical information, New Delhi, 2009 till date
- 3) Co-Chairman, ICMR Task Force for Pharmacogenomics Research
- 4) Chairman, Institutional Committee for Stem Cell Research, MGMCR, Pondicherry
- 5) Chairman, Institute Ethics Committee, VCRC, Pondicherry
- 6) Member, National Committee for IUPHAR, Indian National Science Academy, New Delhi, 1998 –2000, 2015-2018
- 7) Member, Governing Body of ICMR, New Delhi, 2007-2010
- 8) Member, Scientific Advisory Board, ICMR, New Delhi, 2007-2010
- 9) Member, Dr.Sambasiva Rao Committee, Govt of India, 2007
- 10) Past Member, Scientific Advisory Committee, Vector Control Research Centre, Pondicherry (3 years)
- 11) Member, Advisory Committee for establishing Drug Testing Laboratory at Pondicherry, Govt. of Pondicherry, 2004
- 12) Past Member, Ayurveda Pharmacopoeia Committee, Govt.of India, New Delhi,
- 13) Past Member, National Advisory committee on Pharmacovigilance, Govt.of India, New Delhi

B. Funding Agencies: Positions/Achievements

- 1) Member, Project Review Committee, BMS Division, ICMR, New Delhi, 2004 onwards
- 2) Member, Project Advisory Committee in Health Sciences, DST, Govt. of India, New Delhi, 2007 onwards
- 3) Member, Area Review Panel on Health Biotechnology Product Validation, DBT, Govt. of India, New Delhi, 2008 onwards
- 4) Member, ICMR Technical Advisory Group of Toxicology, Pharmacology and Traditional Medicine, July 2007

C. Universities, MCI, National Board of Examinations, Research Institutions etc:

- 1) MCI Inspector, Inspection of facilities for starting MBBS and M.D. (Pharmacology) Course, from 2006 onwards

- 2) Member, Board Studies in Research, JSS University, Mysore 2008 onwards
- 3) Member, Board of Studies in Pharmacology, NTR University of Health Sciences, Vijayawada 2004 -2009
- 4) Member, Scientific Advisory Committee, National Institute of Nutrition, Hyderabad, 2008 – 2011
- 5) Member, Scientific Advisory Committee, Vector Control Research Center, Pondicherry, 2008 – 2011
- 6) NBE Inspector, Inspection of facilities for starting D.M. (Clinical Pharmacology and Therapeutics) Course, 2007
- 7) Member, Inspection Committee for Ph.D. Program Rajiv Gandhi University of Health sciences, Bangalore, 1999
- 8) Chairman, Institute Animal Ethics committee VCRC, Pondicherry, 2006 - 2009
- 9) Member, Institute Animal Ethics Committee, Annamalai University, Chidambaram, 2000 - 2003
- 10) Member, Institute Ethics committee VCRC, Pondicherry, 2000 to 2005
- 11) Member, Institute Human Ethics Committee, Rajiv Gandhi Center for Biotechnology, Trivandrum (from 2009 onwards)
- 12) Member, Expert Group to Review Clinical Research Project, National Institute for Research in Reproductive Health , Mumbai, June 2006
- 13) NAMS Observer, Pre-conference workshop on Experimental Methodology and techniques in Pharmacology, JN Medical College, Belgaum, 26 May 2006
- 14) Coordinator, Committee for the Scientific Programme, 2nd Anniversary of B.P. Koirala Institute of Health Sciences, Dharan, Nepal (1995).
- 15) Coordinator, Pre & Para clinical committee for planning curriculum for Inservice training of Technical clerks (equivalent to B.Sc. (MLT) course), B.P. Koirala Institute of Health Sciences, Dharan, Nepal (1995).
- 16) Advisor, BPKIHS News Letter, Dharan, Nepal (1995).

D. Scientific/Professional Associations: Achievements/Positions

- 1) President, Indian Pharmacological Society, 2007
- 2) President, Southern Regional Indian Pharmacological Society, 2001 – 2006

- 3) President, JIPMER Scientific Society, 2007
- 4) Chief Editor, Indian Journal of Pharmacology, Indian Pharmacological Society, 1992 – 2000
- 5) General Secretary, Asian Federation of Clinical Pharmacologists, 1988-1991

E. Award Committee, Judges etc: Memberships/Positions

- 1) Member, Shanti Swarup Bhatnagar Prize Committee, CSIR, New Delhi, 2000 & 2001
- 2) Expert member, Dr.D.N. Prasad Memorial Oration Award ICMR, New Delhi, 1999
- 3) Expert member, Kshanika Oration Award ICMR, New Delhi, 2011 and 2012
- 4) Expert member, Besanti Devi Amir Chand Prize ICMR, New Delhi, 2012
- 5) Expert member, Dr.Vidya Sagar Award ICMR, New Delhi, 2012
- 6) Expert Member, Selection Committee, Dr S.Vasudev Award , Science, Technology, Promotion Division, Govt. of Kerala, Thiruvananthapuram, 2007, 2008 and 2009.
- 7) Member, Credential Committee for the award of Fellowship of Indian Pharmacological Society, 2003, 2004, 2007
- 8) Member, Advisory Panel for advising the Credentials Committee in the selection of candidates for FAMS in the subject of Pharmacology, 2008 onwards
- 9) Member-Secretary and Judge, Jaipur Prize, Indian Pharmacological Society, 1992-2000
- 10) Member-Secretary and Judge, N.N.Dutta Prize, Indian Pharmacological Society, 1992-2000
- 11) Member-Secretary and Judge, B.P. Mukherjee Prize, Indian Pharmacological Society, 1992-2000
- 12) Member, Selection Committee for Achari Memorial Oration, Indian Pharmacological Society, 2001, 2005, 2007
- 13) Member, Panel of Judges for awarding U.K.Sheth prize and.P.C.Dandiya prize of Indian Pharmacological Society for several years from 1993 onwards.

F. Selection Committees: Faculty/Research Scientists

- 1) Member, Faculty Selection Committee in Pharmacology, All India Institute of Medical Science, New Delhi
- 2) Advisor, Faculty Selection Committee in Pharmacology, PGIMER, Chandigarh
- 3) Expert Member , Faculty Selection Committee in Pharmacology, University of Delhi
- 4) Member, Selection Committee in Pharmacology, Union Public Service Commission, New Delhi

- 5) Member, Standing selection committee of Faculty positions, North Eastern Indira Gandhi Regional Institute of Health & Medical Sciences (Neigrims), October 2006 onwards
- 6) Member, Faculty Selection Committee, Perunthalaivar Kamaraj Medical College, Govt. of Pondicherry, 2006 and 2007
- 7) Member, Faculty Selection Committee in Pharmacology, JIPMER, New Delhi
- 8) Member, Selection Committee for the post of Research Officer, Vector Control Research Center, Pondicherry, 2007 and 2008
- 9) DST Nominee, Selection Committee for the post of JRFs, Dr.ALM PGIBMS, University of Madras, October 2004
- 10) Member, Selection Committee for the post of Research Officer, National Institute of Nutrition, Hyderabad, December 2003
- 11) Member, Faculty Selection Committee, Mahatma Gandhi Dental College, Pondicherry, 2000
- 12) Member, Selection Committee for the post of JRF, Fredrick Institute of Plant Protection and Toxicology, Padappai, Tamil Nadu, July 1994

Foreign visits

Sl.No	Country	Institute	Purpose	Duration
1	Germany	German Reference Center for Ethics in the life Sciences, Bonn	Member of Indian delegation attending interdisciplinary workshop on "Interdisciplinary study days on ethics in biomedical research and its application"	24 September - 9 November 2008 (2 weeks)
2	France	INSERM, Govt. of France, Paris	Member of Indian delegation attending the 6th Joint Working Group meeting of ICMR –INSERM	6-9 June, 2007 (4 days)
3	France	INSERM U458, Robert Debre Hopital, Paris	Training in Advanced Pharmacogenomics Techniques	25 September - 24 October 2003 (30 days)

4	France	INSERM U458, Robert Debre Hopital, Paris	Training in Basic Pharmacogenomics Techniques	September 2002 (15 days)
5	Nepal	B.P.Koirala Institute of Health Sciences, Dharan	WHO sponsored workshop on "Teaching of Integrated Medical Education"	26 – 28 Sept. 1994 (4 days)
6	U.K.	University of Sheffield, Sheffield	WHO Fellowship – Training in Vaccine standardization	September to December 1991 (3 months)
7	Japan	Shimadzu Corporation & University of Kyoto	Training in HPLC	June 1986 (6 days)