

CURRICULUM VITAE

Name : Dr. Surendra K. Sharma

Address : Chief, Division of Pulmonary, Critical Care and Sleep Medicine
Professor and Head
Department of Medicine
All India Institute of Medical sciences
New Delhi-110029 (India)

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Residential address : CI-7, Ansari Nagar, New Delhi-110029

Medical Council registration no. : 13490

Qualifications : MBBS, Indira Gandhi Medical College, Shimla, 1973
MD (Medicine), Postgraduate Institute of Medical Education and Research (PGIMER), Chandigarh, 1978
Ph.D., All India Institute of Medical Sciences, Ansari Nagar
New Delhi, 2003

Present employment and posts held previously : Senior Grade Professor
Department of Medicine
All India Institute of Medical Sciences
New Delhi-110029
(1st April 2006 to till date)

Head
Department of Medicine
All India Institute of Medical Sciences
New Delhi-110029
(1st July 2003 to till date)

Professor
Department of Medicine
All India Institute of Medical Sciences
New Delhi-110029
(19th August 1996 to till date)

Additional Professor
Department of Medicine
All India Institute of Medical Sciences
New Delhi-110029
(1st July 1992 to 18th August. 1996)

Associate Professor
Department of Medicine
All India Institute of Medical Sciences
New Delhi-110029
(1st July 1988 to 30th June 1992)

Assistant Professor
Department of Medicine
All India Institute of Medical Sciences
New Delhi-110 029
(1st Jan. 1986 to 30th June 1988)

Lecturer
Department of Medicine
All India Institute of Medical Sciences
New Delhi-110029
(1983-1986)

Senior Resident
Department of Medicine
All India Institute of Medical Sciences
New Delhi-110029
(1979-1982)

PUBLICATIONS	:	391
International	:	149
National	:	154
Books	:	10
<i>Published</i>	:	9
<i>In press</i>	:	1
Book review	:	1
Book chapters	:	86
Popular writing	:	3
RESEARCH PROJECTS	:	40
Completed	:	25
Ongoing	:	15
Guide/Co-Guide of Postgraduate MD, DM and Ph.D. Theses	:	97

Honours and Awards

S.no.	Awards	Years
1.	Merit Scholarship	1965-67
2.	First in Himachal Pradesh University, Shimla in Matriculation Examination	1967
3.	National Merit Scholarship	1967-73
4.	Saroj-Jyoti award of the Indian Chest Society for best paper presentation in Seventh National Conference on Respiratory Diseases	1987
5.	Saroj-Jyoti award of the Indian Chest Society for best paper presentation in Eighth National Conference on Respiratory Diseases (Indian Chest Society)	1989
6.	Indo-British award of British Medical Council for Medical Education and Technology	1990
7.	First of the four Shakuntala Amir Chand Prizes of Indian Council of Medical Research (ICMR) award for application of bronchoalveolar lavage (BAL) in interstitial lung diseases	1991
8.	Long-term Associateship award of the Department of Biotechnology (Ministry of Science and Technology; Govt. of India). Worked as Research Fellow in the Department of Pulmonary Immunology and Molecular Biology, at Massachusetts General Hospital (Harvard Medical School), Boston, USA	1993 (1yr)
9.	Certificate of Merit and Cash Prize of Rs.1100/- in Envirotech Scientific Article Contest 1994 on the topic "Dust caused occupational and environmental health problems in India"	1994
10.	Gold Medal award of Rajgarhia Group of Companies for contribution of research work in the field of tuberculosis	1996
11.	ICMR's prestigious Amrut Mody Prize (Chest Diseases)	1996
12.	Dr. Coelho Memorial Oration award of the Association of Physicians of India in Experimental Medicine	1997
13.	Cavicare award of M/S Tata Pharma for care of TB patients	1997
14.	2000 Millennium Gold Medal of American Biographical Institute, USA	1998
15.	Man of the Year award of American Biographical Institute, USA	1998
16.	Dr. Rajmal Kasliwal Prize in Medicine for research contribution in the field of Medicine	2001
17.	Short-Term Associateship award of the Department of Biotechnology (Ministry of Science and Technology, Govt. of India)	2001
18.	Dr. Prem Chand Dandiya Endowment Trust Oration for contribution in the field of Medical Sciences	2002
19.	Dr. R.N. Chugh Oration award of the Association of Physicians of India (API)-Delhi State Chapter	2003
20.	Searle Oration award of the Association of Physicians of India	2005
21.	Hari Om Ashram Alembic Research award of Medical Council of India in Clinical Research	2005

S.no.	Awards	Years
22.	M.N. Sen Oration award of the Indian Council of Medical Research in Medicine (Respiratory diseases)	2005
23.	Lupin Chest Oration award of the National College of Chest Physicians, India NCCP (I) in Pulmonary Medicine & Allied Disciplines	2005
24.	Ranbaxy Research Award-2005 for Clinical Research in the field of tuberculosis, HIV and Sarcoidosis	2006
25.	ICMR Basanti Devi Amir Chand prize in Clinical Research	2007
26.	Dr SK Sharma edited the first edition of the book titled “Davidson’s Clinical Cases” and it won the First Prize in Medicine Category at British Medical Association Medical Book Awards	2008
27.	Rabindranath Tagore Oration – 2010 of Indian College of Physicians (ICP) of the Association of Physicians of India (API)	2010
28.	Dr Devi Chand Memorial Oration Gold Medal	2010
29.	VR Joshi JAPI Award for Outstanding Referee	2010

Research Projects

S.no	Agency	Duration	Grant Money (Rupees)
1.	Indian Council of Medical Research (ICMR), New Delhi Glucocorticoid receptors (GR) in bronchoalveolar lavage fluid (BALF) in idiopathic pulmonary fibrosis (IPF) and sarcoidosis and the effect of prednisolone treatment on glucocorticoid receptors	3 Years	3,26,402.00
2.	Indian Council of Medical Research (ICMR), New Delhi Bhopal Gas Tragedy project for BAL studies	3 Years	1,50,000.00
3.	Indian Council of Medical Research (ICMR), New Delhi Effect of prednisolone treatment on bronchoalveolar lavage cells, pulmonary functions and gas exchange in sarcoidosis	3 Years	2,13,431.00
4.	Smithkline Beecham, India Ltd. Post-market surveillance of efficacy and safety of Augmentin in lower respiratory tract infection	6 months	37,000.00
5.	M/S Rhone-Poulenc, India Ltd. Efficacy and safety of sparfloxacin in lower respiratory tract infection	6 months	50,000.00
6.	Indian Council of Medical Research (ICMR), New Delhi Cytokine release in tuberculosis	2 years	5,90,000.00
7.	Indian Council of Medical Research (ICMR), New Delhi Functional and morphological evaluation of suprarenals in tuberculosis- a longitudinal study	3 years	1,90,000.00/yr
8.	M/S Ranbaxy Research Laboratories Limited Effect of double-blind, placebo- controlled trial of additional treatment of ofloxacin in multidrug resistant tuberculosis (MDR-TB)	5 years	54,000.00/yr and coded zanicin and

S.no	Agency	Duration	Grant Money (Rupees)
9.	Department of Biotechnology, Ministry of Science & Technology Government of India Immunogenetics of granulomatous lung diseases specifically tuberculosis and sarcoidosis	3 years	5,00,000.00/yr
10.	M/S Pfizer, India Ltd. Evaluation of efficacy and safety of cefoperazone and sulbactam (Magnex) in lower respiratory tract infection	6 months	25,000.00
11.	Department of Biotechnology, Ministry of Science & Technology Government of India Characterization of multidrug resistant strains of <i>Mycobacterium tuberculosis</i> a multicenter project	3 years	1,20,000.00/yr
12.	World Health Organization (SEARO) To establish model training and demonstration DOTS Center at AIIMS, New Delhi	4 years 3 months	26,28,079.00
13.	Department of Biotechnology, Ministry of Science & Technology, Government of India Collection of well characterized samples and strains of <i>Mycobacterium tuberculosis</i> and development of molecular techniques for detection of drug resistant strains	3 years	24,62,000.00
14.	International Study of Asthma and Allergies in Childhood (ISAAC) Phase Three Study The University of Auckland, Department of Pediatrics, Faculty of Medical and Health Sciences, Auckland, New Zealand and Cipla Ltd (India)	1 year	1,25,000.00
15.	Department of Biotechnology, Ministry of Science & Technology, Government of India Identification of specific immuno-dominant epitopes using phage –displayed fragmented genome library of <i>Mycobacterium tuberculosis</i>	3 years	85,89,000.00
16.	Quintile Spectral India Pvt. Ltd. (Fujisawa GmbH, Germany) Randomised, comparative, double-blind study of Micafungin (FK463) versus Liposomal Amphotericin B (AMBISOME ®) in the Treatment of Invasive Candidiasis and Candidemia	1 year	2,12,000.00
17.	Department of Biotechnology, Ministry of Science & Technology, Government of India.: <u>Principal Investigator & Project Coordinator</u> Genomic and molecular studies on the immunopathogenesis of bronchial asthma.(A multicenter project with a total cost of Rs. 68.22/- Lakhs)	3 years	17,02,000.00
18.	Department of Biotechnology, Ministry of Science & Technology, Government of India and Cadila Pharmaceuticals Ltd.: <u>Principal Investigator & National Coordinator</u> Efficacy and safety of immnuomodulator (<i>Mycobacterium w</i>) as an adjuvant therapy in Category II pulmonary tuberculosis patients along with immunological investigations (A multicenter study with a total cost of Rs. 526.54/- Lakhs) Project registered with National Institute of Health (NCT00265226)	6 years	1,31,32,000.00
19.	Organization of Conference of World Health Organization (SEARO) on the Involvement of Medical Schools in TB and STI/HIV Control	6 months	11,00,000.00
20.	International Atomic Energy Agency (IAEA), Vienna Austria Evaluation of management strategy for pulmonary embolism	4 years	2,72,258.00

S.no	Agency	Duration	Grant Money (Rupees)
21.	Department of Biotechnology, Ministry of Science & Technology, Government of India Programme support for immuno-proteomics based diagnosis of infectious diseases	3 years	3,64,708.00
22.	National AIDS Control Organization (NACO); Ministry of Health and Family Welfare; Govt. of India Antiretroviral Treatment (ART) Center for free treatment of HIV/AIDS patients	Initially one year likely to get extended indefinitely	4,50,000.00
23.	Revised National TB Control Programme NCT of Delhi through the area District TB Centre; Ministry of Health & Family Welfare, Govt. of India Nodal Center for free treatment of TB patients	Initially one year likely to get extended indefinitely	4,32,000.00
24.	National AIDS Control Organization (NACO); Ministry of Health and Family Welfare; Govt. of India Efficacy of thrice weekly intermittent short-course antituberculosis chemotherapy in tuberculosis patients with and without HIV infection <i>Project registered with National Institute of Health (NCT00698334)</i>	3 Years	45,42,000.00
25.	Revised National TB Control Programme NCT of Delhi Treatment outcome and drug resistance among CAT II pulmonary tuberculosis under Revised National TB Control Programme (RNTCP) of India	2 Years	4,99,220.00
26.	Aventis Pharmaceuticals Inc., USA A double-blind, placebo-controlled, parallel, multicenter study on extended venous thromboembolism (VTE) prophylaxis in acutely ill medical patients with prolonged immobilization	1 Year	4,00,000.00
27.	Pfizer India Ltd. Incidence of deep venous thrombosis (DVT) among patients admitted in medical wards and intensive care unit (ICU) of a tertiary care	3Years	5,70,000.00
28.	Department of Biotechnology, Ministry of Science & Technology, Government of India Efficacy and safety of immunomodulator <i>Mw</i> as an adjunct therapy in Category I Pulmonary Tuberculosis along with assessment of immunological parameters (Double-blind, Randomized, Placebo-Controlled, Clinical Trial) <i>Project registered with National Institute of Health (NCT00341328)</i>	5 Years	76,81,000.00
29.	Pfizer India Ltd. A population based study of prevalence and risk factors in sleep disordered breathing in south Delhi [Designated as South Delhi Sleep Study Cohort (SDSSC)]	3 Year	5,00,002.00
30.	Central TB Division, Ministry of Health and Family Welfare, Nirman Bhavan, Govt. of India, New Delhi Evaluation of the efficacy of thrice weekly DOTS regimen in TB pleural effusion at six months (multicenter project)	4 Years	13,77,000.00
31.	Central TB Division, Ministry of Health and Family Welfare, Nirman Bhavan, Govt. of India, New Delhi A multicenter survey on the prevalence of tuberculosis in India	3 Years	89,58,000

S.no	Agency	Duration	Grant Money (Rupees)
32	Department of Biotechnology, Ministry of Science & Technology, Government of India Efficacy of oral zinc administration as an adjunct therapy in Category I Pulmonary Tuberculosis along with assessment of immunological parameters (Double-blind, Randomized, Placebo-Controlled, Multicenter Clinical Trial) <i>Project registered with National Institute of Health (NCT00698386)</i>	5 Years	63,38,000.00
33	Department of Biotechnology, Ministry of Science & Technology, Government of India Role of oral vitamin D as an adjunct therapy in Category I Pulmonary Tuberculosis along with assessment of immunological parameters (Double-blind, Randomized, Placebo-Controlled, Clinical Trial)	5 Years	90,90,000.00
34	Department of Biotechnology, Ministry of Science & Technology, Government of India Impact of HIV infection on latent TB among patients with HIV-TB co-infection (The site has been designated as National Facility)	5 Years	3,79,50,477.72
35	Revised National TB Control Programme NCT of Delhi Comparison of tuberculin skin test (TST) and interferon-release assay in latent TB infection and tuberculosis disease	3 Years	4,99,937.00
36	European Union Frame Programme 7 Work (Proposal for a Coordination action FP7-HEALTH-2007-B TBsusgent) International Collaborative TB Project Sustaining research momentum over the coming decades: mentoring the next generation of researchers for tuberculosis	3 Years	67,84,000.00
37	Reliance Clinical Research Services (P) Ltd International, multi-centre, randomized, double blind study to compare the overall mortality in acutely ill medical patients treated with enoxaparin versus placebo in addition to graduated elastic stockings	2years	12,88,502.00
38	Pfizer India Ltd. Prevalence of metabolic syndrome in obstructive sleep apnea and the effect of treatment with continuous positive airway pressure (CPAP) on metabolic syndrome	2 Years 6 months	16,20,384.00
39	Tibotec BVBA, General De Wittelaan LIIB3, Mechelen, Belgium A Phase II, placebo-controlled, double-blind, randomized trial to evaluate the anti-bacterial activity, safety, and tolerability of TMC207 in subjects with sputum smear-positive pulmonary infection with multi-drug resistant Mycobacterium tuberculosis (MDR-TB)	3 Years	26,24,460.00
40	Indian Council of Medical Research (ICMR) Association of OSA with metabolic syndrome, insulin resistance and TNF- α , IL6 and ACE polymorphism	3years	46,67,424.00

Editor

- *Indian Journal of Chest Diseases and Allied Sciences* since 2001 till date
- Guest Editor of Special issue of IJMR on Sleep Medicine, Feb 2010

Associate Editor

- *Indian Journal of Chest Diseases and Allied Sciences* 1991-2001
- *Indian Journal of Tuberculosis (IJT)* since 2006 till date

Section Editor

- Lung India since 2010

Member

Editorial Board

- *Indian Journal of Tuberculosis* 2003-2005
- *Lung India* 2004-2008
- *Indian Journal of Sleep Medicine* since 2005 till date
- *Chest (American College of Chest Physicians)* since 2006 till date
- *The Open Tropical Medicine Journal* since 2008
- *Indian Journal of Medical Research*, 2009
- *National Advisory Board of Journal of the Association of Physicians of India (J-API)* since March 2009

Advisory Board

- *Chest India edition (American College of Chest Physicians)* 2000-2006
- *Journal of Association of Physicians of India (J-API)* since 2000 till date
- *Journal of Indian Academy of Clinical Medicine* 2002-2007
- *Open Infectious Journal* 2008

Reviewer

- *Lung India* 1988-1990
- *Indian Journal of Chest Diseases and Allied Science* since 1988 till date
- *Indian Journal of Medical Research* since 1989 till date
- *Journal of National Academy of Medical Sciences of India* 1996-1997
- *Infection, Genetics and Evolution* Elsevier publications 2002
- *World Journal of Surgical Oncology* 2003
- *Clinica Chimica Acta* 2003
- *Pharmacological Research* 2003
- *Respiration* 2004
- *American Journal of Respiratory and Critical Care Medicine* 2004-2006
- *Journal of Laboratory and Clinical Medicine* 2004
- *BMC (BioMed Central) Infectious Disease* 2004
- *Journal of Molecular and Cellular Proteomics* 2005
- *Cytokine Journal* 2005
- *Expert Opinion on Drug Safety* (Ashley Publications Ltd., UK) 2005
- *The Lancet Infectious Disease* 2005
- *Chest* since 2006 till date
- *Respiratory Medicine* 2006
- *Respirology Journal* 2006
- *Journal of Pharmacy Practice and Research* 2006
- *The Lancet* 2006, 2009
- *Sleep Medicine* since 2007 till date
- *Expert Review of Respiratory Medicine* 2009
- *Allergologia et immunopathological* 2009

Editor/Member of Books

Editor

- Recent Advances in Respiratory Medicine. Volume 1 (1st edition), New Delhi: Jaypee Brothers Medical Publishers; 1998
- Tuberculosis (1st edition), New Delhi: Jaypee Brothers Medical Publishers; 2001
- Tuberculosis (1st edition), New Delhi: Jaypee Brothers Medical Publishers; Reprint 2004
- Recent Advances in Respiratory Medicine., Volume 1 (1st edition) Reprint, New Delhi: Jaypee Brothers Medical Publishers; 2005
- Recent Advances in Respiratory Medicine. Volume 2 (1st edition), New Delhi: Jaypee Brothers Medical Publishers; 2005
- Tuberculosis (2nd edition), New Delhi: Jaypee Brothers Medical Publishers; 2008
- Davidson's Clinical Cases (1st edition), Edinburgh (UK): Churchill, Livingstone Elsevier Ltd; 2008
- Monograph on "Adult Immunization", New Delhi: Association of Physicians of India (API); 2009

Section Editor

- Pulmonology section, API Textbook of Medicine 8th edition, 2008
- Pulmonology section, API Textbook of Medicine 9th edition, 2010
- Textbook on Clinical Pharmacology by DR Lurence published from UK since 2010

Executive Editor

- API Textbook of Medicine 9th edition

Advisory Board

- *Clinical Medicine by Kumar and Clark Textbook* (6th edition) 2005
- *Davidson's Principles and Practice of Medicine* (20th edition) 2006
- *Davidson's Principles and Practice of Medicine* (21st edition)

Fellowship/Membership of Societies

Fellow

- American College of Chest Physicians since 1988
- National College of Chest Physicians (India) since 1989
- Indian College of Physician since 2005
- American College of Physicians since 2005
- The National Academy of Sciences, Allahabad India since 2008
- Indian Academy of Sciences, Bangalore since January 2010

Member

- Indian Chest Society since 1988
- World Association of Sarcoidosis and other Granulomatous Diseases (WASOG) 1989
- American Thoracic Society since 1989
- National Academy of Medical Sciences of India since 1993
- Association of Physicians of India since 1995
- International Union Against Tuberculosis and Lung Diseases since 1999
- Indian Association of Sarcoidosis and other Granulomatous Disorders (IASOG) since 2003
- Indian Society of Critical Care Medicine since 2004
- World Lung Health (initiative of International Union Against Tuberculosis and Lung Diseases IUATLD) since 2005
- Vice President, Society for Tobacco Control (STC) since 2010
- Faculty Council of the Indian College of Physician for the period 2011-2014.

National and International Committees

Chairperson

- National Task Force on the Involvement of Medical Schools/Colleges in TB Control Programme of India under the auspices of Ministry of Health and Family Welfare, Govt. of India since 2003 till date
- State Task Force on the involvement of Medical Colleges in TB Control Programme NCT of Delhi 2004-2006
- Expert Group on Promoting Lung Health in India, International Union Against Tuberculosis and Other Lung Disease (IUATLD) 2004
- Central Standing Committee for Operational Research for RNTCP, Ministry of Health & Family Welfare, Govt. of India since Oct. 2005 till date
- Committee for making Guidelines on Treatment of M/XDR-TB, Ministry of Health & Family Welfare, Govt of India, 2005
- Chairperson in the meeting of Bid Evaluation Committee constituted by National AIDS Control Organization (NACO), Ministry of Health & Family Welfare, Govt of India to finalize the Bid Evaluation Report, March 6th, 2006
- Chairman, Board of Speciality in Pulmonary Medicine constituted by Medical Council of India for drafting / updating the curriculum for MD and diploma courses in the specialty of Pulmonary Medicine since October 2010
- Chairperson, Expert Group constituted by Director General, Indian Council of Medical Research, New Delhi to look into issue of safety of consumption of vegetable juices with special reference to lauki (white guard) juice, October 2010

Advisor

- Temporary Advisor to the Regional Director World Health Organization (WHO), SEARO, in the Technical Committee Meeting on Dengue Epidemic 1996
- Temporary Advisor to Director General WHO (Geneva) on WHO Workshop on Tuberculosis Control and Schools of Public Health, Boston, USA 1998
- International project titled, Study of the relationship between recurrent lower respiratory tract infection, gastroesophageal reflux and bronchial asthma in children, Project funded by International Atomic Energy Agency (IAEA), Vienna, Austria. Meetings held in Tygerberg (South Africa), Chiang Mai (Thailand) and Bogota (South America) 2000-2003
- Temporary Advisor to Regional Director WHO (SEARO) on WHO Workshop on Informal Consultation on the Use of Antiretroviral Therapy in Resource-Constrained Countries, New Delhi 2002
- Public Health Advisory Committee of Foundation for Innovative new Diagnostics (FIND), Bill and Melinda Gates Foundation, Geneva 2006
- Chief Scientific Advisor of the International Multi-country project sponsored by International Atomic Energy Agency (IAEA), Vienna, Austria on Evaluation of Management Strategy for Acute Pulmonary Embolism 2004-2008

Coordinator

- Coordinator of IMPACT (Indian Medical Professional Association's Coalition Against Tuberculosis) on behalf of the Association of Physicians of India (API) to fight jointly against tuberculosis by forming a coalition for a period of 5 years since 2008
- Coordinator of project entitled, "Efficacy and safety of immunomodulator (Mycobacterium w) as an adjuvant therapy in Category II pulmonary tuberculosis patients along with immunological investigations, a multicenter clinical trial study funded by Department of Biotechnology, Ministry of Science & Technology, Government of India and Cadila Pharmaceuticals Ltd. Since 2004 (NCT00265226)
- Coordinator of project entitled, "Efficacy and safety of immunomodulator (Mycobacterium w) as an adjuvant therapy in Category I pulmonary tuberculosis patients along with immunological investigations, a multicenter clinical trial funded by Department of Biotechnology, Ministry of Science & Technology, Government of India and Cadila Pharmaceuticals Ltd since 2006 (NCT00341328)

Expert Member

Ministry of Health & Family Welfare, Govt. of India

- Committee for formulating National Guidelines for Tuberculosis Management 1997
- National Consultation on Clinical Management of HIV/AIDS and use of Antiretroviral Therapy. National AIDS Control Organization (NACO), Ministry of Health & Family Welfare, Govt. of India 2003
- Expert for Task Force on Bronchial Asthma, Central Council for Research in Ayurveda and Siddha (CCRAS), Ministry of Health and Family Welfare, Govt. of India, New Delhi 2004
- National Consultation on Scaling up Antiretroviral Treatment (ART), NACO, Ministry of Health and Family Welfare, Govt. of India 2004
- Implementation of DOTS plus for MDR-TB, Ministry of Health & Family Welfare (Govt. of India) 2005
- Committee of Phase-II of the World Bank assisted Revised National TB Control Programme, Ministry of Health & Family Welfare, Govt. of India 2004
- Phase II Revised National TB Control Programme, Ministry of Health & Family Welfare (Govt. of India), New Delhi 2005
- National consultation for developing joint HIV-TB training curriculum organized by National AIDS Control Organization, Ministry of Health and Family Welfare, Govt. of India in collaboration with WHO (SEARO) and Central TB Division, Ministry of Health & Family Welfare, Govt. of India, New Delhi 2005
- **Governing Body** of LRS Institute of TB and Respiratory Diseases (Ministry of Health & Family Welfare, Govt. of India) since 2006 till date
- Joint Monitoring Mission of the Revised National TB Control Programme (RNTCP) of India, WHO-Geneva, WHO-SEARO, IUATLD, Ministry of Health & Family Welfare, Govt. of India 2006
- DNB Course in Pulmonary Medicine at LRS Institute of TB and Respiratory Diseases (Ministry of Health & Family Welfare, Govt. of India) since 2007 till date
- Expert member, Drugs Technical Advisory Board (DTAB) constituted by Central Drugs Standard Control Organization, Directorate General of Health Services, Ministry of Health and Family Welfare, Government of India to examine continued marketing of certain drug formulations reported to be prohibited or restricted in other countries, 2010

Drugs Controller General (India)

- Meeting on Chemotherapy to review Drug Policy of Malaria at National Vector Borne Diseases Control Programme, Directorate General of Health Service since 2005
- Meeting on Chemotherapy of Malaria at National Vector Borne Diseases Control Programme, Sharnath Marg, Delhi on September 30th 2006 Technical advisory committee meeting to review the progress of the project “Socio Economic Impact of TB on patients and their families organized by Techno Economic Research Institute (TERI) 2006
- Expert member, Drugs Controller General (India) [DCG(I)] in matters related to regulatory approval of clinical trials for Investigational New Drugs (IND) since 2008

World Health Organization

- International TB Working Group of World Health Organization, (SEARO), first meeting held in Bangkok, Thailand 2002
- Joint Monitoring Mission, World Bank, World Health Organization, Geneva, (SEARO, Ministry of Health and Family Welfare, Govt. of India New Delhi), of the Revised National TB Control Programme (RNTCP) of India 2003
- Joint Monitoring Mission, World Bank, World Health Organization, Geneva, (SEARO, Ministry of Health and Family Welfare, Govt. of India New Delhi), of the Revised National TB Control Programme (RNTCP) of India 2006 Joint Monitoring Mission, World Bank, World Health Organization, Geneva, (SEARO, Ministry of Health and Family Welfare, Govt. of India New Delhi), of the Revised National TB Control Programme (RNTCP) of India, April 2009

Research Committee

- Project Advisory Committee on “Bronchoalveolar Lavage for Bhopal Gas Disaster” Research Project, Indian Council of Medical Research (ICMR) 1989-90
- Member-expert for reviewing research proposals from the Indian Council of Medical Research, New Delhi since 1999

- Scientific Advisory Committee, Desert Medicine Research Centre (DMRC), Indian Council of Medical Research, 2002 & 2003
- Research Area Panel – Scientific Advisory Committee (RAP- SAC), Centre for DNA Fingerprinting and Diagnostics (CDFD), Hyderabad 2003
- Research Board of Advisors, American Biographical Institute, Inc. 2003
- Core Committee for selection of Scientists, Indian Council of Medical Research, New Delhi 2003
- Member of Scientific Advisory Committee Infectious Diseases, Indian Council of Medical Research since 2004 till date
- Scientific Advisory Group, Division of Epidemiology and Communicable Diseases, Indian Council of Medical Research, New Delhi 2004
- Research Council, Institute of Genomics and Integrative Biology (IGIB), Delhi University
- Task force to review the programmes of Ghatampur Unit at Central JALMA Institute for Leprosy and other Mycobacterial Diseases, since 2005 till date
- World Lung Health [initiative of International Union Against Tuberculosis and Lung Diseases (IUATLD) 2005]
- Task Force on Tuberculosis, Department of Biotechnology, Ministry of Science and Technology, Govt. of India since 2006
- Task Force on Tuberculosis, Department of Biotechnology, Ministry of Science and Technology, Govt. of India since 2007
- Brain storming meeting to discuss two important projects entitled “Bioinformatics in Rice and TB” for involving strategies for considering their implementation at Department of Biotechnology, Ministry of Science & Technology, Govt. of India 2007
- Joint Steering Committee meeting of ICMR and University of Minnesota, USA at ICMR Hqrs 2007
- Steering Committee IMPI, Canada since 2008 till date
- Tuberculosis and HPV Vaccine Development Group meeting at National Institute of Immunology 2008
- Member, Annual meeting of the Research Area Panels/Scientific Advisory Committee (RAP/SAC), National Institute of Immunology (NII), 2009
- Expert Committee on Tuberculosis, Department of Biotechnology, Ministry of Science & Technology, Govt of India, 2010 (for a period of three years w.e.f. May 2010)
- Member, the National Advisory Committee, 1st Conference of the South Asia Association of Allergy, Asthma and Clinical Immunology (SAAAACI-2011), VP Chest institute University of Delhi, October 2010

Expert for Faculty and other selections

- Visiting Committee for Deemed University proposal at St. John’s National Academy of Health Sciences, Bangalore 1995
- Screening Committee for the Award of Biotechnology Overseas Associateship (Dept. of Biotechnology, Ministry of Science and Technology, Govt. of India) 1995-96
- Expert Committee of Coal India Limited for the selection of Senior Medical Officers and Chief Medical Officers 1995-96
- Expert Committee of Gas Authority of India Limited (GAIL) for the selection of Senior Medical Officers and Chief Medical Officers 1996
- Member-expert of the Selection Committee for Commonwealth Scholarship/Fellowship Plan 1998, HRD Ministry
- Member-expert of the Selection Committee for selection of faculty posts at B.P. Koirala Institute of Medical Sciences, Dharan, Nepal 2000
- Union Public Service Commission; Govt. of India for the selection of General Duty Medical Officers, Medical Specialists, Assistant Professors of various medical colleges under Central Govt. Health Services since 2000
- Screening Committee for the award of Biotechnology Overseas Associateship (Dept. of Biotechnology, Ministry of Science and Technology, Govt. of India) 2000
- Advisor to assist the Personality Test Board (P.T. Board) in (UPSC) Union Public Service Commission (UPSC), Govt. of India; for interviewing the candidates who have qualified in the Combined Medical Services Exam (2002) 2003
- Selection committee for promotion of faculty members, University of Delhi 2005
- Selection committee meeting of the **Governing Body** of LRS Institute of TB and Respiratory Diseases to discuss eligibility conditions for the post of Director, LRS Institute of TB and Respiratory Diseases (Ministry of Health & Family Welfare, Govt. of India) 2006
- Standing Selection committee for selection for the post of Additional Professor at PGIMER, Chandigarh 2006
- Selection Committee for the post of Professors in Medicine at PGI, Rohtak at Haryana Bhawan 2006

- Selection Committee for the posts of Professors, Associate Professors and Assistant Professors in Medicine at Postgraduate Institute of Medical Education & Research (PGIMER), Chandigarh 2007
- Selection Committee for the post of Professor in Respiratory Medicine at VP Chest Institute under Delhi University 2008
- Selection Committee for the post of lecturer in Respiratory Diseases at University College of Medicine, Sahadra, Delhi 2008
- Selection Committee for Commonwealth Scholarship/Fellowship Plan 2008, HRD Ministry
- First ordinances of the University, the BOS in Medical Sciences of PG/UG/B.SC Nursing or B.Sc Para Medical Technology, Himachal Pradesh University since 2008 till date
- Selection Committee for the post of Additional DG to Deputy DG and Deputy DG to Senior Deputy DG; Research Officer to Senior Research Officer and Senior Research Officer to Additional Director General at ICMR, New Delhi, 2009
- Selection Committee for admission for DNB course in Respiratory Medicine, LRS Institute of TB and Respiratory Diseases (Ministry of Health & Family Welfare, Govt. of India), New Delhi, 2009
- Selection process for ICMR awards, Indian Council of Medical Research, New Delhi, 2009
- Selection Committee for appointment as Lecturer/Assistant Professor in Department of Medicine, Chhatrapati Shahuji Maharaj Medical University UP, Lucknow, 2010
- Special Medical Board for Candidates with disabilities, qualifying Joint Entrance Examination 2010, Indian Institute of Technology, IIT Hospital, New Delhi, June 2010.
- Selection committee in subject–field of medicine for selection of candidates for award of Commonwealth Scholarship/Fellowship plan 2011 offered by the Government of United Kingdom. New Delhi, November 2010, HRD Ministry

Expert Member for formulating MCQs &Curriculum

- For editing multiple choice questions for National Board of Examinations (India) Primary Examination 1989-92
- Member for making postgraduate curriculum of MD (Medicine) at B.P. Koirala Institute of Medical Sciences, Dharan, Nepal 1998
- For Indian Administrative Services, HP University, 2009

EXAMINERSHIP

Chairperson of MD Medicine and MBBS examinations since 2003 till date

Internal Examiner

- MBBS, MD (Medicine) and PhD examinations at All India Institute of Medical Sciences, New Delhi

External Examiner

- MBBS and MD (Medicine) at various Universities and Diplomate of National Board (DNB) examination (Pulmonary Medicine) 1995
- MBBS (Medicine) examination at Postgraduate Institute Rohtak, Haryana
- MBBS (Medicine) examination, HP University, Shimla
- MBBS (Medicine) examination, University College of Medical Sciences, New Delhi
- MBBS (Medicine) examination, Maulana Azad Medical College, New Delhi
- MD (Medicine) examination at Postgraduate Institute Rohtak, Haryana
- MD (Medicine) examination at Postgraduate Institute of Medical Education & Research Chandigarh
- MD (Medicine) examination at Institute of Medical Sciences Kathmandu, Nepal
- MD (Medicine) examination at B.P. Koirala Institute of Medical Sciences, Dharan, Nepal
- DM (Respiratory Medicine) exam at Postgraduate Institute of Medical Education and Research (PGIMER), Chandigarh 2005, 2006, 2007, 2008
- Ph.D. Theses, Postgraduate Institute of Medical Education and Research, Chandigarh
- Ph.D. Theses, Delhi University, New Delhi

Fiberoptic Bronchoscopies and Respiratory Diseases Consultations since 1980

Chairperson

- Medical Board constituted for editing of multiple choice questions for selection of Junior and Senior Residents 1994
- Medical Board constituted for newly selected MBBS, MD and B.Sc. Nursing and Human Biology students 1994
- Medical Board constituted for newly recruited employees of the institute and referred cases from outside 1994-96
- Medical Board constituted for newly recruited Group A and B officers at the All India Institute of Medical Sciences hospital, New Delhi since 1997 till present date
- Drugs Purchase Selection Committee, All India Institute of Medical Sciences hospital, New Delhi since 2002-2009
- Death Review Committee, All India Institute of Medical Sciences hospital, New Delhi 2003-2004
- Sub-Committee (Clinical) to screen the applications received from the faculty/non faculty staff of the Institute for grant of financial assistance from the Institute for attending International Conference/Seminars/Workshops/symposium etc abroad, All India Institute of Medical Sciences hospital, New Delhi, 2010

Chief

- Division of Pulmonary, Critical Care and Sleep Medicine since 2003

Member

- “Special Guest” for inauguration of a training of trainers under RNTCP on Sep 19th, 2006 at Lala Ram Sarup Institute of Tuberculosis and Respiratory Diseases, Ministry of Health & Family Welfare, Govt. of India, Sri Aurobindo Marg, New Delhi
- Advisory Committee for K.L. Wig Center of the AIIMS to give a new direction to its activities since 2008

Established following laboratories

- **Adenosine deaminase (ADA) estimation** for tuberculosis pleural effusion at AIIMS hospital, New Delhi. This laboratory has been providing hospital service for indoor and outdoor patients with pleural effusion, ascites and meningitis since 1996
- **Sleep Laboratory** for polysomnographies (PSGs) at AIIMS Hospital, New Delhi. This laboratory has been providing hospital service for indoor and outdoor patients since 1998. Performance of this lab can be assessed from quality of the publications on obstructive sleep apnea.
- **Serum angiotension converting enzyme (SACE) estimation** for diagnosis of sarcoidosis since 2004 at AIIMS, hospital, New Delhi.
- **Fibreoptic Bronchoscopy Lab**
This facility is running since 1978. About 750 bronchoscopies are performed in one year.
- **Pulmonary function laboratory**
This laboratory is equipped with state of the art equipment. This is evidenced by the publications of the Department. Measurement of lung volumes, their subdivisions, spirometry, pulmonary diffusing capacity, airway resistance, specific airway conductance and oxygen saturation are routinely measured. Facility for measurement of various cardiopulmonary responses during exercise are available in the lab.
- **DNA Sequencer**
3130 xl Genetic Analyzer (16 capillary DNA sequencer) from Applied Biosystem was installed in the Department of Medicine in May, 2010. This equipment is utilized in confirming the restriction fragment length polymorphism (RFLP) of various gene fragments. It will also be utilized in performing HIV drug resistance and confirmation of MDR tuberculosis strain in the near future. Standardization of these tests is going on.
- **Flow Cytometer**
13-color (9-color + 4 basic) with three lasers (Blue-488 nm, Red-633 nm and Near-UV-375 nm) flow cytometer (FACS ARIA-III) from BD Biosciences was installed in the Department of Medicine in November, 2010. This machine will be utilized in performing CD4 count and assessing various immunological parameters in several infectious diseases, obstructive sleep apnea and various cardiovascular disorders.

- **Line Probe Assay (LPA)**
With the help of Foundation of Innovative and Newer Diagnostics (FIND), Geneva, our laboratory is under accreditation for establishing this molecular based technique which will be utilized for the diagnosis of MDR tuberculosis.
- **Drug Susceptibility Testing (DST)**
I have established the DST lab in the Department of Medicine at AIIMS, New Delhi. This laboratory is under proficiency testing for the detection of MDR tuberculosis through solid culture. In near future, this technique will be utilized in patient care by diagnosing MDR-TB.
- **Bio-safety Level-III Laboratory (BSL-III)**
We have established a BSL-III laboratory (M & W Zander) in the Department of Medicine for handling the contagious samples of tuberculosis and HIV patients. It was commissioned in October, 2009. This laboratory is being utilized for performing various diagnostic tests and for research purposes e.g. interferon gamma release assay (IGRA), DNA isolation from sputum for LPA and cell culture. This laboratory is being used by PhD students.

PUBLICATIONS

International Publications

1. **Sharma SK**, Guleria JS. Amyloidoma of the cervical lymph nodes. Br Med J 1985; 291:1688
2. **Sharma SK**, Kaushal R, Chattopadhyay TK. Treatment of homozygous familial hypercholesterolaemia. Br Med J 1985; 291:1644
3. **Sharma SK**, Pande JN, Dawar R, Guleria JS. Hodgkin's disease with pulmonary involvement. Jpn J Med 1986; 25:73-4
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5. **Sharma SK**, Pande JN, Mukhopadhyay AK, Goulatia RK, Wali JP, Guleria JS. Bilateral recurrent pneumothoraces in sarcoidosis. Jpn J Med 1987; 26:69-71
6. **Sharma SK**, Sailo JL, Guleria JS. Immediate effect of verapamil on pulmonary functions in bronchial asthma. J Asthma 1987; 24:179-82
7. **Sharma SK**, Verma U, Pande JN, Murugesan K, Verma K, Guleria JS. Glucocorticoid receptors in bronchoalveolar lavage in sarcoidosis. A preliminary report. Chest 1988; 93:577-9
8. **Sharma SK**, Pande JN, Verma K. Bronchoalveolar lavage (BAL) in miliary tuberculosis. Tubercle 1988; 69:175-8
9. Agarwal P, **Sharma SK**, Sharma ML, Sawhney S, Agarwal J. Mediastinal seminoma. A case report and review of literature. Urol Int 1988; 43:344-6
10. Agarwal P, **Sharma SK**. Cardiac tamponade as the initial presentation of malignancy. Int J Cardiol 1989; 22:157-9
11. Agarwal R, **Sharma SK**, Malaviya AN. Gold induced hypersensitivity pneumonitis in a patient with rheumatoid arthritis. Clin Exp Rheumatol 1989; 7:89-90
12. Agarwal P, **Sharma SK**, Wali JP, Sahni P. Colonic carcinoma after chemotherapy of Hodgkin's disease. J Clin Gastroenterol 1989; 11:340-2
13. Agarwal P, **Sharma SK**, Chattopadhyay TK. Mediastinal carcinoid tumor with unusual manifestations. Postgrad Med J 1989; 65:327-8
14. Agarwal P, **Sharma SK**, Chattopadhyay TK. Malignant fibrous histiocytoma of the mediastinum. Postgrad Med J 1989; 65:929-31
15. Agarwal P, Wali JP, **Sharma SK**. Progressive diaphyseal dysplasia. Orthopedics 1990; 13:901-4
16. **Sharma SK**, Pande JN. Effect of verapamil inhalation on bronchial asthma. J Asthma 1990; 27:31-6
17. Suryaprakash G, **Sharma SK**, Pande JN. Effect of 4% lidocaine inhalation on bronchial asthma. J Asthma 1990; 27:81-5

18. Pande JN, **Sharma SK**, Verma K. Value of enumerating cellular constituents of bronchoalveolar lavage fluid in differentiating sarcoidosis and cryptogenic fibrosing alveolitis. *Sarcoidosis* 1990; 7:96-100
 19. Malaviya AN, Kumar A, Singh YN, Singh RR, Dash SC, Khare SD, Wali JP, **Sharma SK**, Handa R, Saluja S. Wegner's granulomatosis in India. *Br J Rheumatol* 1990; 29:499-500
 20. **Sharma SK**, Pande JN, Verma K. Effect of prednisolone treatment in chronic silicosis. *Am Rev Respir Dis* 1991; 143:814-21
 21. Padhy AK, **Sharma SK**, Gopinath PG. Role of bone scanning in pulmonary alveolar microlithiasis: a report of two cases. *Clin Nucl Med* 1991; 16:458-60
 22. **Sharma SK**, Pande JN, Singh YN, Verma K, Kathait SS, Khare S, Malaviya AN. Pulmonary function and immunological abnormalities in miliary tuberculosis. *Am Rev Respir Dis* 1992; 145:1167-71
 23. Ramaswamy S, **Sharma SK**, Mitra DK, Gupta AK, Chattopadhyay TK. Congenital tracheoesophageal fistula in a young adult. *Aust J Surg* 1992; 62:594-5
 24. **Sharma SK**, Sharma S, Mukhopadhyay S. Mediastinal paraganglioma presenting as intracardiac mass with superior vena caval obstruction. *Thorax* 1993; 48:1181-82
 25. **Sharma SK**, Bhargava A, Pande JN. Effect of parenteral magnesium sulfate on pulmonary functions in bronchial asthma. *J Asthma* 1994; 31:109-15
 26. Raina V, Kumar R, **Sharma SK**, Sarkar C, Bal CS. Neuroblastoma in thoracic region in adults: a report of five cases. *Ann Saudi Med* 1994; 14:338-41
 27. Sandhu M, Mukhopadhyay S, **Sharma SK**. Comparative study of chest X-ray and computed tomography in allergic bronchopulmonary aspergillosis. *Aust Radiol* 1994; 38:288-93
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 31. Vijayan VK, Sankaran K, **Sharma SK**, Misra NP. Chronic lung inflammation in victims of toxic gas leak at Bhopal. *Respir Med* 1995; 89:105-11
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 54. Taneja TK, **Sharma SK**. Markers of small cell lung cancer. *World J Surg Oncol* 2004; 2:10

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[Professor SK Sharma was the Principal Investigator for the study from India (name listed in the Appendix in online supplement)]
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[Professor SK Sharma was the Principal Investigator for the study from India (name listed in the Appendix in online supplement)]
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48. **Sharma SK**, Kadiravan T. Management of the patient with HIV disease. In: Rakel RE, Bope ET. Conn's Current Therapy 2007. USA: Saunders Elsevier; 2006:47-63
49. **Sharma SK**, Mohan A. Viral Upper Respiratory Tract Infections. In: Rakel RE, Bope ET. Conn's Current Therapy 2007. USA: Saunders Elsevier; 2006:303-5
50. **Sharma SK**. Tuberculosis-specifically miliary TB, extrapulmonary TB, HIV TB and DOTS programme. In: Kumar, Clark & de Silva, (editors). Clinical Medicine 6E – online Appendix
51. Mohan A, **Sharma SK**. How to interpret arterial blood gas data? In: Singal RK (editor). Medicine Update 2007. New Delhi: Jaypee Brothers Medical Publishers; 2007; 17:145-51
52. **Sharma SK**, Goel A. Dengue hemorrhagic fever and dengue shock syndrome-pertinent issues in management. In: Singal RK (editor). New Delhi: Jaypee Brothers Medical Publishers; 2007; 17:629-33
53. Mohan A, **Sharma SK**. Chikungunya fever. In: Singal RK (editor). Medicine Update 2007. New Delhi: Jaypee Brothers Medical Publishers; 2007; 17:634-38
54. **Sharma SK**, Mohan A. Diagnosis and treatment of obstructive sleep apnea. In: Singal RK (editor). Medicine Update 2007. New Delhi: Jaypee Brothers Medical Publishers; 2007; 17:758-67
55. Mohan A, **Sharma SK**. An Approach to Interpret Arterial Blood Gases. In: Agarwal AK, Jain DG (editors). Clinical Medicine Update – 2006. New Delhi: Jaypee Brothers Medical Publishers; 2007; 9:73-81
56. **Sharma SK**. Mohan A. Miliary Tuberculosis. In: Agarwal AK, Jain DG (editors). Clinical Medicine Update – 2006. New Delhi: Jaypee Brothers Medical Publishers; 2007; 9:353-60

57. **Sharma SK**, Mohan A. Sarcoidosis. In: Agarwal AK, Jain DG (editors). Clinical Medicine Update – 2006. New Delhi: Jaypee Brothers Medical Publishers; 2007; 9:529-38
58. **Sharma SK**, Mohan A. Acute respiratory distress syndrome. In: Grover A, Aggarwal V, Gera P, Gupta R (editors). Manual of Medical Emergencies (3rd edition). Delhi: Pushpanjali Medical Publications Pvt. Ltd.; 2007:396-402
59. **Sharma SK**, Mohan A. The implications of multidrug resistant TB. In: Roumelioti M (editor). European Infectious Diseases (1st edition). London; 2007:52-42
60. **Sharma SK**. Structure and function of the respiratory system. In: Shah SN (Editor-in-chief). API Text Book of Medicine (8th edition). Mumbai: The Association of Physicians of India; 2008:342-45
61. **Sharma SK**. Chronic Obstructive Pulmonary Disease. In: Shah SN (Editor-in-chief). API Text Book of Medicine (8th edition). Mumbai: The Association of Physicians of India; 2008:361-67
62. **Sharma SK**, Kadiravan T. Management of the patient with HIV disease. In: Rakel RE, Bope ET. Conn's Current Therapy 2008. USA: Saunders Elsevier; 2008:47-61
63. **Sharma SK**, Mohan A. Tuberculosis and other Mycobacterial Diseases. In: Rakel RE, Bope ET. Conn's Current Therapy 2008. USA: Saunders Elsevier; 2008:278-85
64. **Sharma SK**, Mohan A. Sarcoidosis. In: Rakel RE, Bope ET. Conn's Current Therapy 2008. USA: Saunders Elsevier; 2008:270-72
65. **Sharma SK**. A middle-aged woman with haemoptysis and a previous history of tuberculosis. In: Strachan MWJ, **Sharma SK**, Hunter JAA (editors). Davidson's Clinical Cases (1st edition). Edinburgh, UK: Elsevier LTD; 2008:150-52
66. **Sharma SK**. A solitary radiographic pulmonary lesion in a middle-aged man. In: Strachan MWJ, Sharma SK, Hunter JAA (editors). Davidson's Clinical Cases (1st edition). Edinburgh, UK: Elsevier LTD; 2008:153-56
67. **Sharma SK**. A young man with a fever and right-sided chest pain. In: Strachan MWJ, Sharma SK, Hunter JAA (editors). Davidson's Clinical Cases (1st edition). Edinburgh, UK: Elsevier LTD; 2008:161-64
68. **Sharma SK**, Mohan A. Solitary pulmonary nodule: How and how much to investigate? In: Bichile SK (editor), Hase NK, Mehta SS (associate editors). Medicine Update 2008. Mumbai: The Association of Physicians of India; 2008;18:824-32
69. **Sharma SK**, Mohan A. Major Key topics concerning risk factors in obstructive sleep apnea syndrome. In: Rodriguez AME (editor). Yearbook of Non Invasive Mechanical Ventilation. Spain; 2008:326-32.
70. **Sharma SK**, Kahiravan T. Management of the Patient with HIV Disease. In: Rakel RE, Bope ET. Conn's Current Therapy 2009. USA: Saunders Elsevier; 2009:45-59
71. **Sharma SK**, Mohan A. Tuberculosis and Other Mycobacterial Diseases. In: Rakel RE, Bope ET. Conn's Current Therapy 2009. USA: Saunders Elsevier; 2009:282-290
72. **Sharma SK**. Introduction. In: **Sharma SK** (editor), Mohan A (assistant editor). Tuberculosis (2nd edition). New Delhi: Jaypee Brothers Medical Publishers; 2009:1-6
73. Mohan A, **Sharma SK**. History. In: **Sharma SK** (editor), Mohan A (assistant editor). Tuberculosis (2nd edition). New Delhi: Jaypee Brothers Medical Publishers; 2009:7-15
74. Ahluwalia G, **Sharma SK**. Lower lung field tuberculosis. In: **Sharma SK** (editor), Mohan A (assistant editor). Tuberculosis (2nd edition). New Delhi: Jaypee Brothers Medical Publishers; 2009:227-31
75. **Sharma SK**, Mohan A. Disseminated and miliary tuberculosis. In: **Sharma SK** (editor), Mohan A (assistant editor). Tuberculosis (2nd edition). New Delhi: Jaypee Brothers Medical Publishers; 2009:493-518
76. **Prasad GA**, **Sharma SK**, Kochupillai N. Adrenocortical reserve in tuberculosis. In: **Sharma SK** (editor), Mohan A (assistant editor). Tuberculosis (2nd edition). New Delhi: Jaypee Brothers Medical Publishers; 2009:553-560
77. **Sharma SK**, Kadiravan T. Evidence-based indications for thromboprophylaxis. Agarwal AK (editor), Jain DG, Yadav P (executive editors) Medicine Update under the auspices of Association of Physicians of India. New Delhi; 2009

78. Ahluwalia G, **Sharma SK**. Dengue Haemorrhagic Fever: What not to do? Agarwal AK (editor), Jain DG, Yadav P (executive editors) Medicine Update under the auspices of Association of Physicians of India. New Delhi; 2009
79. Mohan A, **Sharma SK**. Salient clinical characteristics of severe falciparum malaria in adults in the tropics Agarwal AK (editor), Jain DG, Yadav P (executive editors) Medicine Update under the auspices of Association of Physicians of India. New Delhi; 2009
80. **Sharma SK**, Kadhiraavan T. Pneumococcus vaccine. In: **Sharma SK**, Singal RK, Agarwal AK (editors). Adult Immunization. New Delhi; 2009:146-150
81. Ahluwalia G, **Sharma SK**. Yellow fever vaccine. In: **Sharma SK**, Singal RK, Agarwal AK (editors). Adult Immunization. New Delhi; 2009:177-181
82. **Sharma SK**, Chauhan LK. Operational issues, compliance, and DOTS Programmes. In: Schaff HS, Zumla A(editors). Tuberculosis: a comprehensive clinical reference. UK: Saunders Elsevier; 2009:668-175
83. **Sharma SK**, Ahluwalia G. Dengue fever in India: an overview. Rao MS (editor), Nadkar MY (executive editor) Medicine Update under the auspices of Association of Physicians of India 2010;20:657-9
84. Ahluwalia G, **Sharma SK**. Obstructive sleep apnea syndrome-Indian experience of a decade compared with global scenario. Das AK (editor), Postgraduate medicine: Contemporary Medicine – Challenges and Solutions 2010;24:43-51
85. **Sharma SK**, George N. Therapeutic challenges in the management of MDR and XDR tuberculosis. In: OP Sood, Sharma SK (editors). Challenges of MDR/XDR tuberculosis in India. New Delhi: Ranbaxy Science Foundation 2010;22:43-73.
86. **Sharma SK**, George N. Multidrug-resistant tuberculosis. In: Jindal SK (editor). In: Textbook of pulmonary and critical care medicine. New Delhi: Jaypee Brothers Medical Publishers; 2010:630-44
87. **Sharma SK**. Chemotherapy of bacterial infections. In: Bennett P, Sharma P, Brown M (editors). Clinical Pharmacology by DR Laurence (11th Edition). UK: Churchill Livingstone; 2010 (*IN PRESS*)

BOOKS

1. **Sharma SK**, Behera D, Mohan A (editors). Recent Advances in Respiratory Medicine. New Delhi: Jaypee Brothers Medical Publishers; Volume 1 (1st edition) 1998
2. **Sharma SK**, Behera D, Mohan A (editors). Recent Advances in Respiratory Medicine. New Delhi: Jaypee Brothers Medical Publishers; Volume 1 (1st edition) Reprint 2005
3. **Sharma SK**, Behera D, Mohan A (editors). Recent Advances in Respiratory Medicine. New Delhi: Jaypee Brothers Medical Publishers; Volume 2 (1st edition) 2005
4. **Sharma SK**, (editor). Mohan A (assistant editor). Tuberculosis. New Delhi: Jaypee Brothers Medical Publishers; (1st edition) 2001
5. **Sharma SK**, (editor). Mohan A (assistant editor). Tuberculosis. New Delhi: Jaypee Brothers Medical Publishers; (1st edition) Reprint 2004
6. **Sharma SK**, (editor). Mohan A (assistant editor). Tuberculosis. New Delhi: Jaypee Brothers Medical Publishers; (1st edition) Reprint 2006
7. Strachan MWJ, **Sharma SK**, Hunter JAA (editor). Davidson's Clinical Cases (1st edition). Edinburgh (UK): Churchill, Livingstone Elsevier Ltd; 2008
8. **Sharma SK**, (editor). Mohan A (assistant editor). Tuberculosis (2nd edition). New Delhi: Jaypee Brothers Medical Publishers; 2009
9. **Sharma SK**, Singal RK, Agarwal AK (editors). Adult Immunization. New Delhi: Association of Physicians of India; 2009

10. Strachan MWJ, **Sharma SK**, Hunter JAA (editor). Davidson's Clinical Cases (2nd edition). Edinburgh (UK): Churchill, Livingstone Elsevier Ltd; 2010 (*in press*)

POPULAR WRITING

1. **Sharma SK**, Mohan A. Multidrug-resistant tuberculosis. *Mediquest* 1995; 13:1-11
2. **Sharma SK**. Understanding bronchial asthma. Offset printers, Vigyan Prasar Health Series, Technology Bhavan. Department of Science and Technology, New Delhi: 1996
3. **Sharma SK**, Mohan A. Case track series 1. Case report collection series. Pulmonary tuberculosis: Typical and atypical cases. Mumbai: M/S Merind Ltd., 1997

PAPERS/POSTERS PRESENTED IN INTERNATIONAL CONFERENCES

1. **Sharma SK.** "Glucocorticoid receptors in bronchoalveolar cells from patients with sarcoidosis" in the annual meeting of the American Thoracic Society at Las Vegas (USA) in May 1988
2. **Sharma SK.** "Effect of verapamil inhalation on pulmonary functions in bronchial asthma" in the annual meeting of the American Thoracic Society at Las Vegas (USA) in May 1988
3. **Sharma SK.** "Effect of prednisolone treatment on serum immunoglobulins and complement in chronic silicosis" in the annual meeting of the American Thoracic Society at Florida (Miami Beach) (USA) in May 1992
4. **Sharma SK.** "Pulmonary functions and immunologic abnormalities in miliary tuberculosis" in the annual meeting of the American Thoracic Society at Florida (Miami Beach) (USA) in May 1992
5. **Sharma SK.** "Immunologic and pulmonary function abnormalities in tropical pulmonary eosinophilia" in the annual meeting of the American Thoracic Society at Florida (Miami Beach) (USA) in May 1992
6. **Sharma SK.** "Diagnosis of pulmonary tuberculosis by polymerase chain reaction" Presented in the annual meeting of the American Thoracic Society at New Orleans (USA) May 1996
7. **Sharma SK.** "Visual evoked response (VER), brain stem auditory evoked responses (BAER) and nerve conduction studies (NCS)" in patients with chronic respiratory failure. Presented in the annual meeting of the American Thoracic Society at New Orleans (USA) May 1996
8. **Sharma SK.** "Effect of additional oral ofloxacin administration in the treatment of multidrug-resistant tuberculosis (MDR-TB)". Presented in the annual meeting of the American Thoracic Society at New Orleans (USA) May 1996
9. **Sharma SK.** "Functional and morphological evaluation of suprarenals in drug sensitive and drug resistant tuberculosis". Presented in the annual meeting of the American Thoracic Society at New Orleans (USA) May 1996
10. Khilnani GC, Saikia N, **Sharma SK**, Pande JN, Malhotra OP. "Efficacy of non-invasive positive pressure ventilation (NPPV) for management of COPD with acute or acute on chronic respiratory failure: a randomised controlled trial". Am J Respir Crit Care Med 2002; 165:A387
11. Khilnani GC, Behera H, **Sharma SK**, Pande JN, Guleria R. "Efficacy of inhaled corticosteroids (IC) in patients with stable COPD: a randomized double blind controlled trial". Am J Respir Crit Care Med 2002; 165:A226
12. Mohan A, Premanand R, Narayan Reddy L, Rao MH, **Sharma SK.** "Epidemiology and outcome of acute exacerbation of chronic obstructive pulmonary disease: experience at a tertiary care center". Am J Respir Crit Care Med 2002; 165:A590
13. **Sharma SK**, Kurian S, Handa KK, Mohan A, Kharbanda OP, Mukhopadhyay S, Pande JN. "Sleep disordered breathing in obese subjects: a prospective study". Am J Respir Crit Care Med 2002; 165:A515
14. Banga A, Khilnani GC, Pande JN, **Sharma SK**, Guleria R. "Posthypercapnic alkalosis: a risk factor for ventilator dependence and increased ICU stay". Am J Respir Crit Care Med 2003; 167:A948
15. Sakhare MR, Guleria R, Pande JN, **Sharma SK.** "Prediction of survival in the medical ICU using a new scoring system". Am J Respir Crit Care Med 2003; 167:A103
16. Khilnani GC, Hindupur GP, Sharma S, **Sharma SK**, Pande JN. "Role of bronchial artery embolization for the treatment of massive and recurrent hemoptysis". Am J Respir Crit Care Med 2003; 167:A529
17. Mohan A, Rao MH, **Sharma SK**, Reddy MK. "Acute respiratory failure requiring assisted ventilation in patients with falciparum malaria". Am J Respir Crit Care Med 2003; 167:A907
18. **Sharma SK**, Malik V, Kurien S, Mohan A, Pandey RM, Handa KK, Mukhopadhyay S. "Predictors of obstructive sleep apnea in north Indian obese population: a case-control study". Am J Respir Crit Care Med 2003; 167:A410
19. **Sharma SK.** "Predictors of obstructive sleep apnea in north Indian obese population a case control study (poster: G41)". Presented in the annual meeting of American Thoracic Society at Seattle, (USA) May 2003

20. **Sharma SK**, Reddy EV, Kadhiravan T, Lakshmy R, Sreenivas V. Prevalence of syndrome Z and the association of metabolic syndrome with obstructive sleep apnea in a northern Indian population. American Thoracic Society, San Diego, California, USA. May 2009

INVITATION FOR PARTICIPATION IN INTERNATIONAL SEMINARS

1. Invited to participate in the Sunrise Seminar entitled "Interstitial pneumonias in developed and developing countries" to talk about the Indian perspective at the 1990 World Conference on Lung Health, Boston, May 22 1990
2. Invited to participate in the 11th Conference on retroviruses and opportunistic infection, San Francisco, USA from February 8-11, 2004
3. Participated in American Thoracic Society International conference, San Francisco, California from May 18-23, 2007.
4. Participated in American Thoracic Society International conference, San Diego, California, USA from May 15-20, 2009.

CHAIRMANSHIP IN NATIONAL CONFERENCES

1. Chaired the session on "Therapeutic problems" in the 7th National Conference on Respiratory Diseases at Calcutta on 18 December 1987
2. Chaired the "Scientific Session VII" in the 28th Annual Conference of the National College of Chest Physicians (India) at VP Chest Institute, New Delhi on 11 January, 1989
3. Chaired the Scientific Session on "Respiratory Diseases" in APICON-96 held at Kathmandu (Nepal) on 17-21 January, 1996
4. Chaired the session on "MDR-TB" in APICON 2002 at Chennai
5. Chaired the session on "HIV-TB" at Indira Gandhi Medical College, Shimla 2003
6. Chaired the session in the 3rd National Task Force workshop for the involvement of Medical Colleges in the RNTCP of India (Ministry of Health and Family Welfare, Govt. of India); at All India Institute of Medical Sciences, New Delhi on 23-24 November, 2004
7. Chaired the session on HLA and Disease I at ISHI-2005 Workshop at All India Institute of Medical Sciences, New Delhi on 18 February, 2005
8. Chaired the session in the IV National Hematology Update at All India Institute of Medical Sciences, Ansari Nagar, New Delhi on 26-27 February 2005
9. Chaired all sessions of CME on Tuberculosis (RNTCP) at All India Institute of Medical Sciences, New Delhi on 25 April, 2005
10. Convenor, Medicine Update jointly organized by the Department of Medicine and Association Physicians of India (API) Delhi State Chapter at the All India Institute of Medical Sciences, 2005
11. Chairperson, State Task Force (STF) Meeting on the Involvement of Medical Colleges in the Revised National TB Control Programme (RNTCP) of India (Ministry of Health and Family Welfare, Govt. of India; at Lady Harding Medical College 2005
12. Chaired the session in the XVI Annual CME, API-Delhi State Chapter on Learning for internists at Ashoka Hotel, New Delhi on 22 October, 2005
13. Chaired the session in the 4th National Task Force workshop for the involvement of Medical Colleges in the RNTCP of India (Ministry of Health and Family Welfare, Govt. of India); at All India Institute of Medical Sciences, New Delhi on 3-5 November, 2005
14. Chaired the session on "Infectious Diseases" in the XII Annual Ranbaxy Science Foundation Symposium on Immunotherapeutics and Disease Management at All India Institute of Medical Sciences, New Delhi on November 28th, 2005

15. Moderator in AIIMS Golden Jubilee Celebrations Public Lecture on HIV/AIDS at J.L. Auditorium, All India Institute of Medical Sciences on January 13th, 2006
16. Chaired the session in the National Hematology Update –V at All India Institute of Medical Sciences, New Delhi on February 26th, 2006
17. Chaired the session in the 8th FIMSA/IIS Advanced Course in Immunology: Focus on Clinical Immunology at J.L. Auditorium, All India Institute of Medical Sciences, New Delhi on March 1st, 2006
18. Chaired the session in the 2nd Indo-US CME on Antiretroviral Treatment in HIV/AIDS jointly organized by AIIMS and University of California Los Angeles (UCLA) at All India Institute of Medical Sciences from March 4th-5th, 2006
19. Chaired the session in the National Research Conference on HIV & AIDS, jointly organised by The National AIDS Control Organisation (NACO) & Indian Council for Medical Research at The Ashok Hotel, from April 21st-23rd, 2006
20. Chaired the CME on Tuberculosis and Lung Health; jointly organized by International Union Against Tuberculosis and Lung Disease (The Union) and World Lung Foundation- South Asia at Jawaharlal Nehru Bharatiya Chikitsa Parishad Anusandhan, Janakpuri, New Delhi on April 29th, 2006
21. Chaired the session in 21st Annual Update on Pulmonary and Critical Care Medicine Interstitial & Diffuse parenchymal Lung Diseases at PGIMER, Chandigarh on October 8th, 2006
22. Chaired the session in 62nd Annual Conference of Association of Physician of India (APICON 2007) on “Sleep Medicine” at Goa on February 16th, 2007
23. Chaired the session in 62nd Annual Conference of Association of Physician of India (APICON 2007) on “Tropical Medicine” at Goa on February 17th, 2007
24. Chaired the session in 62nd Annual Conference of Association of Physician of India (APICON 2007) on “Clinico-Pathological Conference” at Goa on February 17th, 2007
25. Moderated the panel discussion on “Adult Immunization in Indian scenario” in Medicine Update at AIIMS, New Delhi on August 10th, 2008
26. Chairperson, Workshop on Training Programme for Prevention, Control & Management of HIV/AIDS. Jointly organised by the All India Institute of Medical Sciences and Delhi State AIDS Control Society (DSACS) at AIIMS from October 18-19, 2008
27. Chairperson, National Task Force CME & Workshop for the involvement of Medical Colleges in the RNTCP of India. Jointly organized by All India Institute of Medical Sciences and Central TB Division (Ministry of Health and Family Welfare, Govt. of India); at, AIIMS From 22-24 October, 2008
28. Convener, Expert Group Meeting for Forming Consensus Recommendations on Adult Immunization in India organised by Association of Physicians of India (API) at All India Institute of Medical Sciences from December 6th -7th, 2008
29. Convener, 22nd Round Table Conference on “Challenges of MDR/XDR Tuberculosis in India” organised by the Ranbaxy Science Foundation at India Habitat Centre, Lodhi Road on December 13th, 2008
30. Chaired the session in 64th Annual Conference of Association of Physician of India (APICON 2009) on “Pulmonary, Critical Care and Infections (topics included Interstitial Lung Disease, Severe Vivax Malaria, Approach to Diagnosis of Acid Base Disorders, Excessive Daytime Sleepiness”); Greater Noida, NCR on January 29th, 2009
31. Moderated two Clinico-Pathological Conferences in 64th Annual Conference of Association of Physician of India (APICON 2009) at Greater Noida, NCR on January 30th & 31st, 2009
32. Chaired session on Bacterial & Fungal Infections “Emergency Frontiers in Immuno-genomics of Infectious Diseases” in XVI Annual Symposium of Ranbaxy Science Foundation, New Delhi, November 2009.

ORGANIZATION OF CONFERENCES

1. Jointly organised and chaired the session in the National Task Force CME & Workshop for the involvement of Medical Colleges in the RNTCP of India By Central TB Division (Ministry of Health and Family Welfare, Govt. of India); at All India Institute of Medical Sciences, New Delhi, 2003
2. Jointly organised and chaired the session in the National Task Force CME & Workshop for the involvement of Medical Colleges in the RNTCP of India By Central TB Division (Ministry of Health and Family Welfare, Govt. of India); at All India Institute of Medical Sciences, New Delhi, 2004
3. Organised Annual Medicine Update 2004 in association with Association of Physicians of India (API) Delhi State Chapter at All India Institute of Medical Sciences, August, 2004
4. Organised Annual Medicine Update 2005 in association with Association of Physicians of India (API) Delhi State Chapter at All India Institute of Medical Sciences, August, 2005
5. Jointly organised and chaired the session in the National Task Force CME & Workshop for the involvement of Medical Colleges in the RNTCP of India By Central TB Division (Ministry of Health and Family Welfare, Govt. of India); at All India Institute of Medical Sciences, New Delhi, 2005
6. CME on Training Programme for Management of HIV/AIDS at All India Institute of Medical Sciences from April 19th-20th, 2006
7. Jointly organised the CME on Training Programme for Prevention, Control & Management of HIV/AIDS for Nurses with UCLA, USA and Delhi State AIDS Control Society at All India Institute of Medical Sciences from October 8th to 9th, 2006
8. Jointly organised and chaired the session in the National Task Force CME & Workshop for the involvement of Medical Colleges in the RNTCP of India By Central TB Division (Ministry of Health and Family Welfare, Govt. of India); at All India Institute of Medical Sciences, New Delhi From 9-11 November, 2006
9. Organised Medicine Update 2007 in association with Association of Physicians of India (API) Delhi State Chapter at All India Institute of Medical Sciences on August 5th, 2007
10. Organised CME on Training Programme for Prevention, Control & Management of HIV/AIDS for Nurses with Delhi State AIDS Control Society (DSACS) at All India Institute of Medical Sciences from September 29th – 30th, 2007
11. Jointly organised the workshop on Sleep Apnoea Syndrome with Association of Physician of India (Saharanpur branch) at Mussoorie from September 29th – 30th, 2007
12. Leading member of the Scientific Committee of 62nd Annual Conference of Association of Physicians of India (APICON) 2007
13. Jointly organised and chaired the session in the National Task Force CME & Workshop for the involvement of Medical Colleges in the RNTCP of India By Central TB Division (Ministry of Health and Family Welfare, Govt. of India); at All India Institute of Medical Sciences, New Delhi, 2007
14. Jointly organised the workshop on Good Clinical Practices (GCP) with Pfizer Education And Research League (PEARL) at All India Institute of Medical Sciences from March 29th – 30th, 2008
15. Organised Medicine Update 2008 in association with Association of Physicians of India (API) Delhi State Chapter at All India Institute of Medical Sciences on August 10th, 2008
16. Jointly organised and chaired the session in the National Task Force CME & Workshop for the involvement of Medical Colleges in the RNTCP of India By Central TB Division (Ministry of Health and Family Welfare, Govt. of India); at All India Institute of Medical Sciences, New Delhi from 22nd October -24th October, 2008
17. Organized Expert Group Meeting for Forming Consensus Recommendations on Adult Immunization at All India Institute of Medical Sciences, New Delhi on December 6-7, 2008

18. Jointly organized Ranbaxy Science Foundation XXII Round Table Conference on topic entitled, "Challenges of MDR/XDR Tuberculosis in India" at India Habitat Centre, Lodhi Road, New Delhi on December 13, 2008
19. Leading member of the Scientific Committee of 64th Annual Conference of Association of Physicians of India (APICON) 2009
20. Organised a workshop on "Sleep Disorders and demonstration of polysomnography" in 64th Annual Conference of Association of Physician of India (APICON 2009) at Greater Noida, NCR on January 30th, 2009
21. Organised a workshop on "Mechanical Ventilation" in 64th Annual Conference of Association of Physician of India (APICON 2009) at Greater Noida, NCR on January 31st, 2009
22. Organised Medicine Update 2009 in association with Association of Physicians of India (API) Delhi State Chapter at All India Institute of Medical Sciences in August 2009
23. Organised a symposium on Venous Thromboembolism (VTE) in 64th Annual Conference of Association of Physician of India (APICON 2009) at Greater Noida, NCR on January 31st, 2009
24. Jointly organised and chaired the session in the National Task Force CME & Workshop for the involvement of Medical Colleges in the RNTCP of India By Central TB Division (Ministry of Health and Family Welfare, Govt. of India); at All India Institute of Medical Sciences, New Delhi from 30th & 31st October 2009
25. Organising Chairperson for the Medicine Update 2010 in association with Association of Physicians of India (API) Delhi State Chapter at All India Institute of Medical Sciences on August 08th, 2010
26. Jointly organized Ranbaxy Science Foundation XXVI Round Table Conference on topic entitled, "Sleep Disorders: Wake-Up Call For Physicians" at All India Institute of Medical Sciences, New Delhi on October 9, 2010.

LECTURES/TALKS/ PAPERS/POSTERS IN NATIONAL CONFERENCES

1. Paper entitled "Glucocorticoid receptors in bronchoalveolar lavage fluid cells in sarcoidosis" in the Seventh National Conference on Respiratory Diseases at Calcutta, 1987
2. Delivered a talk on "Bronchoalveolar lavage (BAL)" in the 4th pulmonary Update on March 20th, 1988 under the Continuing Medical Education Programme organised by the Department of Chest Diseases (Med) at Postgraduate Institute Medical Education and Research, Chandigarh
3. Delivered a lecture on "Antituberculosis drugs " in a seminar organised by the Indian Medical Association, in July 1988
4. Delivered a talk on "Clinical features of COPD" in the "Respiratory Medicine Update", at Maulana Azad Medical College, 1988
5. Discussed a Clinicopathological conference in the "Respiratory Medicine Update", at Maulana Azad Medical College, 1988
6. Paper entitled "Glucocorticoid receptors in bronchoalveolar lavage fluid (BALF) cells in sarcoidosis" n the 28th Annual Conference of the National College of Chest Physicians (India), New Delhi 1989
7. Paper entitled "Comparison of cardiopulmonary physiological response to graded exercise on bicycle ergometer in asymptomatic subjects and in patients with anemia" in the 8th National Congress on Respiratory Diseases at Goa 1989
8. Paper entitled "Effect of prednisolone treatment in chronic silicosis" in the Award session during the 9th National Congress on Respiratory diseases at Hyderabad in December 1989
9. Delivered a lecture on "Bronchoscopy and bronchoalveolar lavage (BAL) in the CME programme of the VII Annual Medical Seminar (1989) of IMA- Saharanpur
10. Delivered a lecture on "Aerosol therapy in bronchial asthma" on September 10th, 1989. This was organised by the South Delhi branch of the Indian Medical Association

11. Delivered a lecture on "Aerosol therapy in bronchial asthma" held at the Indian Medical Association Headquarters, New Delhi on October 8th, 1989. This was organised by the Indian Medical Association, New Delhi branch
12. Delivered a lecture on "Current status in the management of pneumonias" held at Meerut (UP) on September 30, 1989. This was organised by the Meerut branch of the Indian Medical Association
13. Delivered a talk on "Bronchoalveolar lavage (BAL) in interstitial lung diseases" in the 4th National Symposium on flexible fiberoptic bronchoscopy held on November 5th 1989 at Postgraduate Institute Medical Education and Research, Chandigarh
14. Paper entitled "Bronchoalveolar lavage, pulmonary function and gas exchange in miliary tuberculosis" in the Award session during the 10th National Congress on Respiratory diseases at Bombay in December 1990
15. Delivered a lecture on "AIIMS experience on BAL in interstitial lung diseases" in the Fifth National Symposium on Fiberbronchoscopy held at India International Centre, New Delhi on October 28th 1990
16. Delivered a talk entitled "Recent concepts in the pathogenesis of bronchial asthma" at the All India Railway Tuberculosis and Chest Diseases Conference held in New Delhi in March 1994
17. Delivered a talk entitled "Antituberculosis treatment-induced hepatotoxicity" at a symposium organized by M/S CIBA-GEIGY LTD., at Majeedia Hospital, New Delhi in 1995
18. Delivered a talk entitled "Miliary tuberculosis" to the Indian Medical Association, Westtown Branch, New Delhi at a symposium organized by M/S CIBA-GEIGY LTD., on January 27th 1996, at Pelican Banquet Hall, Vikasपुरi, New Delhi
19. Delivered a guest lecture entitled "Miliary tuberculosis" at Pushpanjali Medical Centre, New Delhi, on the occasion of World Tuberculosis Day, 24th March 1996
20. Participated in Teleconference [Bombay-Delhi via satellite] on Drug resistant tuberculosis organized by M/S CIBA-GEIGY on the occasion of World Tuberculosis Day, 24 March 1996
21. Dr. Coelho Memorial Oration in Experimental Medicine (1997), titled "Acute lung injury and the effect of depletion of cells by monoclonal antibody" delivered at the 52nd Joint Annual Conference of The Association of Physicians of India (APICON-97)
22. Delivered a Guest Lecture titled "Dengue hemorrhagic fever: AIIMS experience" and Chaired a session at GTB Hospital, May 1997
23. Delivered an Invited Guest Lecture titled, "Sarcoidosis - Indian Perspective" Annual Conference of The Association of Physicians of India (APICON-98)
24. Delivered a Guest Lecture on Non-invasive Ventilation in Medicine Update-1998 at Maulana Azad Medical College, December 1998
25. Delivered an invited lecture on Miliary Tuberculosis - Indian Perspective in Tuberculosis Symposium - Indian Perspective organized by Astra Zeneca at Bangalore June, 1999
26. Guest Speaker at Wockhardt's Continuing Medical Education Programme. Delivered lecture on "Trends in Management of Respiratory Infections- Focus on Azithromycin" on August 7th & 8th, 1999
27. Guest Lecture at Ranbaxy Science Foundation's 7th Round Table Conference on "Tuberculosis" held on September 28, 2001 at New Delhi. Delivered lecture on, "MDR-TB: Therapeutic Challenge"
28. Delivered an Invited Guest Lecture titled, "Antituberculosis therapy in special situations. Annual Conference of The Association of Physicians of India (APICON-2001)
29. Guest lecture on Principles of Tuberculosis Chemotherapy at PGIMER, Chandigarh 2001
30. Guest lecture on role of Medical Colleges in Revised National TB Control Programme in Indian National Sciences Congress at Respiratory Medicine Forum, Jan. 2002
31. Delivered a talk on Goals of management, assessment and monitoring on COPD held on December 2002 at Chandigarh

32. Guest lecture on Antituberculosis therapy in special situations at Govt. Medical College, Chandigarh, 2002
33. Delivered a talk on “Treatment of COPD” Pulmonary Update at Indira Gandhi Medical College, Shimla, June 7th, 2003
34. 2nd National Task Force Meeting for the involvement of Medical Colleges in RNTCP on 22nd November 2003 at Lala Ram Swaroop Tuberculosis and Allied Diseases, Mehrauli, New Delhi
35. Delivered a plenary lecture on “The Hunt for Sarcoidosis in India: An Imperfect Science, a Hesitant Art” IRACON 2003 on 28th November 2003 at India Habitat Center in New Delhi
36. Delivered lectures on: a) SARS: Is threat over? b) Invasive and Non-Invasive ventilation: what is the big deal? at National Conference on Pulmonary Diseases (NAPCON 2003) Coimbatore, Tamil Nadu
37. Delivered a lecture on Unusual manifestation of Sarcoidosis in India in 1st Congress of the Indian Association of Sarcoidosis and other granulomatous disorders (IASOG) on 12th January, 2004 at VP Chest Institute, University of Delhi
38. Guest Lecture in APICON –2004 at Hyderabad, Andhra Pradesh on “MDR-TB- Management Strategies” on January 18, 2004
39. Delivered a lecture on “Sarcoidosis in India: no so rare” and “Anti-TB drugs induced hepatotoxicity” at Association Physician of India Himachal Pradesh State, Mandi on 2nd October, 2004
40. Delivered a lecture on “Tuberculosis: Resurgence” in American Association of Physicians of Indian Origin (AAPICON- CME) at Hyderabad on December 25, 2004
41. Delivered a lecture on “Integrated Treatment of HIV & TB” in 15th Round Table Conference on HIV and Tuberculosis: Co-Infections, Organized by Ranbaxy Science Foundation at New Delhi India on January 8, 2005
42. Delivered a lecture on “Management of HIV-TB Co-infection” in Indo-US CME on HIV AIDS and Symposium on Recent Advances in AIDS Research, Jointly organized by Postgraduate Institute of Medical Education and Research, Chandigarh, India and New York University School of Medicine, New York, USA at Chandigarh, India from 9th to 10th January, 2005
43. Delivered a lecture on “Clinical Scenario of HIV-TB Infection” in Update on HIV – TB Nexus: Jointly organized by Department of Biotechnology, All India Institute of Medical Sciences & New York University (NYU) AIDS and Tuberculosis International Training and Research Program (AITRP) at AIIMS, New Delhi on 12th January, 2005
44. Delivered a lecture on “Current diagnostic techniques and the future of TB diagnosis” and “Antitubercular Drugs induced Hepatotoxicity: From bench to bedside” in 60th Annual Conference of Association of Physicians of India (Diamond APICON-2005) at Mumbai from 22nd to 25th January, 2005
45. Delivered a lecture on “Asthma” in CME on public health aspects of lung health for the 1st year post graduate students of TB & Chest Diseases and community medicine of all the colleges of Delhi University, NIHFWS & AIIMS, Jointly organized by International Union Against Tuberculosis and Lung Disease (The Union) and World Lung Foundation (WLF) from 27th- 29th October, 2005
46. Delivered a lecture on “HIV and TB co-infection” in 1st Indo-US CME on Antiretroviral Treatment in HIV/AIDS, jointly organized by AIIMS and UCLA at All India Institute of Medical Sciences from 29th -30th October, 2005
47. Delivered a lecture on “HIV-TB Co-infection” in the CME of 4th National Task Force Meeting on the Involvement of Medical Colleges in the RNTCP of India (Ministry of Health and Family Welfare, Govt. of India); at All India Institute of Medical Sciences, New Delhi on 3-5 November, 2005
48. Delivered a lecture on “Is Sarcoidosis an infectious disease?” in National Conference on Pulmonary Disease, NAPCON-2005 at Kolkata from 16-20th November, 2005
49. Delivered a State of the Art lecture on “Obstructive Sleep Apnoea-Indian Perspective” in 61st Annual Conference of Association of Physician of India (APICON 2006) at Patna from 30th Jan. to 2nd February, 2006

50. Delivered a lecture on “HIV and TB co-infection” in 2nd Indo-US CME on Antiretroviral Treatment in HIV/AIDS, jointly organized by AIIMS and UCLA at All India Institute of Medical Sciences from 4th -5th March, 2006
51. Delivered a lecture on “Sarcoidosis” in 21st Annual Update on Pulmonary and Critical Care Medicine Interstitial & Diffuse parenchymal Lung Diseases at PGIMER, Chandigarh on 8th October, 2006
52. Delivered a lecture in the Plenary Session of National Conference (NAPCON) on Pulmonary Disease 2006 on “Acute Lung Injury in Tuberculosis” at Nagpur on November 2nd, 2006
53. Delivered a lecture on “Internal Medicine for Rheumatologists – Interstitial Lung Disease” In 22nd Annual Conference of Indian Rheumatology Association, IRACON 2006 at Lucknow on 24th November, 2006
54. Delivered a lecture on “Diagnosis and Treatment of Obstructive Sleep Apnoea (OSA) in 62nd Annual Conference of Association of Physician of India (APICON 2007) at Goa from 15th to 18th February, 2007
55. Delivered a talk on “Treatment and Management of HIV-TB Co-infections” in Indo-US Workshop on the “Clinical and Translational Research for Prevention, Care and Treatment of HIV-related Co-Morbidities” organized by Indian Council of Medical Research (ICMR) at India Habitat Center, Lodhi Road from September 24th – 25th, 2007
56. Delivered a talk on “Obstructive Sleep Apnoea” in North India Clinics organized by Association of Physician of India (Saharanpur branch) at Mussoorie from September 29th – 30th, 2007
57. Delivered a lecture on “Sleep Apnea is not an independent risk factor for metabolic syndrome” in Sleepcon 2007 organized by Indian Sleep Disorders Association (ISDA), Department of Pulmonary, Critical Care & Sleep Medicine Vardhaman Mahavir Medical College & Safdarjung Hosptial, New Delhi at India Habitat Center from December 07-09, 2007
58. Delivered a Key note address on “Challenges of HIV-TB Co-infection” in the Workshop on Training Programme for Prevention, Control & Management of HIV/AIDS. Jointly organised by the All India Institute of Medical Sciences and Delhi State AIDS Control Society at AIIMS on October 18, 2008
59. Delivered a lecture on “Clinical management of TB-HIV Co-infection- Newer developments” in the National CME Programme on ‘Challenges on the road ahead for TB Control’ of National Task Force for the involvement of Medical Colleges in RNTCP of India Jointly organised by the All India Institute of Medical Sciences and Central TB Division (Ministry of Health and Family Welfare, Govt. of India); at AIIMS on 22 October, 2008
60. Delivered a lecture on “Therapeutic Challenges in the Mangement of MDR and XDR Tuberculosis” in the 21st Round Table Conference “Challenges on XDR Tuberculosis in India” organised by the Ranbaxy Science Foundation at India Habitat Centre, Lodhi Road, New Delhi on December 13th, 2008
61. Delivered a lecture on Evidence-based indications for Deep Venous Thrombosis prophylaxis in Medical Diseases in 64th Annual Conference of Association of Physician of India (APICON 2009) at Greater Noida, NCR on January 31st, 2009
62. Dr. Rabindranath Tagore Oration (2010) - ICP, titled “A decade of original research on obstructive sleep apnoea in India” delivered at the 65th Joint Annual Conference of Association of Physicians of India (APICON 2010), Jaipur on 7th January 2010.
63. Delivered a lecture on “Epidemiology of obstructive sleep apnea syndrome in India” at National Symposium on Sleep Apnea: an update (NSSA- 2010) at VP Chest Institute, New Delhi on 5th April 2010.
64. Delivered a lecture on “Anti-TB drugs associated hepatotoxicity; challenges for developing nations.” at 3rd National Conference on Infectious Diseases at All India Institute of Medical Scinces, New Delhi on 17th April 2010.
65. Delivered a lecture on “Epidemiology and risk factors of obstructive sleep apnoea (OSA) in India” in CME 2010 at PGIMER, Dr Ram Manohar Hospital, New Delhi on 16th May 2010.
66. Delivered a lecture on “Epidemiology of OSA in India” at Ranbaxy Science Foundation XXVI Round Table Conference on “Sleep Disorders: Wake-Up Call For Physicians” at All India Institute of Medical Sciences, New Delhi on October 9, 2010.

67. Delivered a lecture on “Neurotuberculosis: new insight into diagnosis & management” at National Conference on Pulmonary Diseases (NAPCON 2010) Jodhpur, Rajasthan on November 29th 2010
68. Delivered a Dr Devi Chand Memorial Oration titled, “Sleep Obstructive Apnoea” at Indira Gandhi Medical College, Shimla on 3rd December 2010.

CONFERENCE/SYMPOSIUM

1. Participated in National Consultation on Scaling Up Antiretroviral treatment (ART), NACO, Ministry of Health and Family Welfare, Govt. of India, New Delhi January 28-29, 2004
2. Inaugural address at International Course on Management, Finance, and Logistics for TB Control jointly organized by Indian Institute of Health Management Research & International Union against Tuberculosis and Lung Disease (The Union, Paris, France) at Jaipur on February 7, 2005
3. Invited to participate in Asthma Workshop to formulate National Guidelines at Postgraduate Institute of Medical Education & Research, Chandigarh from 19-20 February, 2005
4. Participated in brainstorming workshop on Tuberculosis at ICGEB, New Delhi 2005
5. Participated in 4th International CME on Hypertension Atherosclerosis and Coronary Artery Disease (ICHAC-2005) and 15th Annual Conference of Indian Society of Hypertension (ISHCON-2005), organised by Preventive Cardiology Group, University College of Medical Sciences (University of Delhi) & GTB Hospital at UCMS-GTB Hospital, Delhi from 12-13th November 2005
6. Participated in Global HIV/AIDS Alliances: Charting Healthy Pathways for Vulnerable Populations in the Global South and the Global North at Hyderabad from 20th to 26th February, 2006
7. Participated in the Cochrane Protocol Development workshop at Christian Medical College, Vellore from June 24 to 27, 2007
8. Participated in the “Consultative Meeting – India Response Plan for the Diagnosis and Management of MDR/XDR TB” organized by Central TB Division, Ministry of Health & Family Welfare, Govt. of India at Chennai from September 14th – 15th, 2007

RESEARCH INTERESTS

Bronchial asthma, interstitial lung disease, sarcoidosis, cryptogenic fibrosing alveolitis, interstitial lung fibrosis associated with collagen vascular disease, silicosis, tropical pulmonary eosinophilia, hypersensitivity pneumonitis, tuberculosis, human immunodeficiency virus HIV infection, HIV-TB, mechanism and treatment of drug resistant tuberculosis (MDR-TB), mechanism of interstitial fibrosis in murine model and intervention with various monoclonal antibodies, sleep medicine, critical care medicine

SPECIAL INTERESTS

MEDICAL EDUCATION

1. Awarded *INDO-BRITISH AWARD FOR MEDICAL EDUCATION AND TECHNOLOGY (1990)*
2. Member of the "Committee constituted to go into the question of reorganisation/ rationalisation of the academic work, including the conduct of examinations and defining the duties and responsibilities of Dean at All India Institute of Medical Sciences (1994)"

CHIEF SUPERVISOR/ CO-SUPERVISOR OF THE FOLLOWING MD, DM, PH.D THESES

MD/MS THESIS

1. Sailo JL. Immediate effect of oral verapamil on pulmonary functions in bronchial asthma. New Delhi, All India Institute of Medical Sciences, 1986
2. Sarkar R. Effect of bronchoalveolar lavage on arterial blood gases in patients with diffuse interstitial lung diseases. New Delhi, All India Institute of Medical Sciences, 1987
3. Osama SM. Evaluation of soluble antigen fluorescent antibody (SAFA) test in the serological diagnosis of pulmonary tuberculosis. New Delhi, All India Institute of Medical Sciences, 1987
4. Boro AK. Single breath and steady state pulmonary diffusing capacity in normal subjects and in the patients with chronic obstructive airway disease. New Delhi, All India Institute of Medical Sciences, 1987
5. Rana BDSJB. The effect of parenteral aminophylline and inhaled isoproterenol on airway dynamics of normal individuals. New Delhi, All India Institute of Medical Sciences, 1987
6. Jain P. Comparison of cardiopulmonary physiological reasons to graded exercise on bicycle ergometer in asymptomatic subjects and patients with anemia. New Delhi, All India Institute of Medical Sciences, 1988
7. Agarwal R. An analysis of bronchoalveolar lavage fluid cell profile and lymphocyte subpopulations in bilateral diffuse interstitial lung disease. New Delhi, All India Institute of Medical Sciences, 1988
8. Prakash S. Effect of 4% xylocaine on pulmonary functions in patients with bronchial asthma. New Delhi, All India Institute of Medical Sciences, 1989
9. Mittal R. Correlation between elastic and diffuse properties of the lung in patients with chronic obstructive airway disease and interstitial fibrosis. New Delhi, All India Institute of Medical Sciences, 1989
10. Prabhakaran D. Estimation of fibronectin in bronchoalveolar lavage fluid (BALF) in interstitial lung disease. New Delhi, All India Institute of Medical Sciences, 1989
11. Bhatla B. Exercise testing in chronic obstructive airway disease and interstitial lung disease. New Delhi, All India Institute of Medical Sciences, 1989
12. Jha SC. Cardiopulmonary response to submaximal exercise in mitral valve disease. New Delhi, All India Institute of Medical Sciences, 1989
13. Padma MV. Respiratory Muscle function in undernourishment. New Delhi, All India Institute of Medical Sciences, 1990
14. Bhargava AD. The effect of parenteral magnesium sulfate on various parameters of pulmonary functions in patients with mild and moderate asthma. New Delhi, All India Institute of Medical Sciences, 1990
15. Rao MB. Measurement of cardiac output by indirect Fick method using CO₂ rebreathing procedure in normal subjects at rest and during graded exercise. New Delhi, All India Institute of Medical Sciences, 1990
16. Singh BP. Study of pulmonary function test and arterial blood gases in patients undergoing oesophagectomy. New Delhi, All India Institute of Medical Sciences, 1990
17. Srestha PK. A study of immunoglobulins in bronchoalveolar lavage fluid (BALF) in interstitial lung diseases. New Delhi, All India Institute of Medical Sciences, 1990
18. Arora R. Correlation between bronchoalveolar lavage cellular findings, lung functions and radiological findings in diffuse interstitial lung diseases. New Delhi, All India Institute of Medical Sciences, 1991
19. Sharma M. Visual evoked potentials, brain stem evoked potentials in patients with chronic respiratory failure. New Delhi, All India Institute of Medical Sciences, 1991
20. Srikanth S. Measurement of oxygen saturation changes by oxymetry method during graded exercise in diffuse interstitial lung disease. New Delhi, All India Institute of Medical Sciences, 1991

21. Chanana BB. Electrocardiographic changes and arrhythmias in patients with end stage renal disease before, during and after hemodialysis on ambulatory electrocardiography. New Delhi, All India Institute of Medical Sciences, 1991
22. Sharma S. Noninvasive estimation of pulmonary capillary wedge pressure in patients with mitral valve disease. New Delhi, All India Institute of Medical Sciences, 1991
23. Kumar R. Evaluation of risk factors for lung cancer: A case control study. New Delhi, All India Institute of Medical Sciences, 1991
24. Seth S. The effect of an external resistance on flow volume curves in human subjects. New Delhi, All India Institute of Medical Sciences, 1992
25. Mohan A. Fiberoptic bronchoscopy in sputum smear negative pulmonary tuberculosis. New Delhi, All India Institute of Medical Sciences, 1993
26. Reddy TS. Influence of type of cooking fuel on the respiratory functions in healthy nonsmoking women. New Delhi, All India Institute of Medical Sciences, 1994
27. Aggarwal AN. Evaluation of the diagnostic value of ELISA and polymerase chain reaction in patients with tuberculous pleural effusion. New Delhi, All India Institute of Medical Sciences, 1994
28. Wadhwa J. Salbutamol and ipratropium bromide in bronchial asthma and chronic obstructive airway disease and the best pulmonary function test for evaluating their bronchodilatory effect, All India Institute of Medical Sciences, New Delhi. November 1995
29. Bansal T. Primary pulmonary hypertension in India. Prospective and retrospective study, All India Institute of Medical Sciences, New Delhi. June 1996
30. Prasad GA. Adrenocortical reserve in tuberculosis. All India Institute of Medical Sciences, New Delhi, June 1996
31. Bhasin. Usefulness of video assisted thoracoscopy in the diagnosis of intrathoracic lesions. All India Institute of Medical Sciences, New Delhi. November 1996
32. Suresh V. Evaluation of adenosine deaminase estimation in pleural fluid as a diagnostic test for tuberculous pleural effusion. All India Institute of Medical Sciences, New Delhi. June 1997
33. Singh R Th. Effect of salbutamol, ipratropium bromide and beclomethasone propionate inhalation on mucociliary clearance in patients with chronic stable asthma and chronic bronchitis. All India Institute of Medical Sciences, New Delhi. June 1997
34. Tak S. Fiberoptic bronchoscopy and computerized tomography in patients with hemoptysis and normal chest X-rays. All India Institute of Medical Sciences, New Delhi, June 1998
35. Muralidhar M. Polymerase chain reaction in the diagnosis of tuberculosis lymphadenitis. All India Institute of Medical Sciences, New Delhi, June 1998
36. Jalan Singh KK. Hematological manifestations of tuberculosis. All India Institute of Medical Sciences, New Delhi, June 1999
37. Jadav PSN. Diffuse interstitial lung diseases: a correlation of high resolution computed tomography findings with clinical features, pulmonary functions and pathology. All India Institute of Medical Sciences, New Delhi, June 2000
38. Reddy S. Sleep studies in chronic obstructive airways disease patients with and without respiratory failure. All India Institute of Medical Sciences, New Delhi, June 2000
39. Banga A. Spectrum of acid based abnormalities in patients with acute or acute chronic respiratory failure requiring ventilation failure All India Institute of Medical Sciences, New Delhi, June 2000
40. Kurian S. Sleep studies in obese patients. All India Institute of Medical Sciences, New Delhi December 2000
41. Arora N. Utility of sniff nasal inspiratory pressure (SNIP) in assessment of inspiratory muscle strength. All India Institute of Medical Sciences, New Delhi, December 2000

42. Malik V. Relationship between obstructive sleep apnea and hypertension. All India Institute of Medical Sciences, New Delhi, June 2002
43. Kumawat K. Lactate dehydrogenase and alkaline phosphatase levels in bronchoalveolar lavage fluid of patients with smear negative pulmonary tuberculosis. All India Institute of Medical Sciences, New Delhi, June 2002
44. Giridhar V. Effectiveness of different regimens in the treatment of lymph node tuberculosis: A prospective Randomised study and follow up study. All India Institute of Medical Sciences, New Delhi, July 2003
45. Luqman Arafath TK. Comparison of bronchoscopic and techniques for the diagnosis of ventilator associated pneumonia. All India Institute of Medical Sciences, New Delhi 2003
46. Jha A. Prevalence of obstructive sleep apnea in hypothyroid patients and effect of thyroxin supplementation on obstructive sleep apnea in hypothyroid patients. All India Institute of Medical Sciences, New Delhi, December 2004
47. Vasudev. Validation of modified berlin questionnaire in patients at risk for Obstructive Sleep Apnea. All India Institute of Medical Sciences, New Delhi, July 2004
48. Babu B. Lactate dehydrogenase and alkaline phosphatase levels in bronchoalveolar lavage fluid in patients with sarcoidosis, All India Institute of Medical Sciences, New Delhi, December 2004
49. Priyanigam. HIV prevalence in TB Patients. All India Institute of Medical Sciences, New Delhi, June 2005
50. Kumpawat S. Prevalence and predictors of obstructive sleep apnea in an urban Indian community. All India Institute of Medical Sciences, New Delhi, June 2005
51. Sarda P. Reintroduction of antituberculosis drugs in anti-TB drugs induced hepatitis. All India Institute of Medical Sciences Hospital, New Delhi, June 2007
52. Reddy VV. Prevalence of sleep disordered breathing in middle aged Indian adults. A population based study. All India Institute of Medical Sciences, New Delhi, June 2007
53. Gopi A. Treatment outcome and drug resistance among Category II pulmonary tuberculosis patients under RNTCP. All India Institute of Medical Sciences, New Delhi, December 2007
54. Sharma H. Neurocognitive impairment and atherogenesis in obstructive sleep apnea. All India Institute of Medical Sciences, New Delhi, December 2007
55. H Prakash. Clinical and laboratory characteristics of HIV/AIDS patients and their outcome with antiretroviral treatment at ART clinic. All India Institute of Medical Sciences Hospital, New Delhi (work in progress)
56. Jain SB. Evaluation of the current management practice of HIV infected adults. All India Institute of Medical Sciences, New Delhi (work in progress)
57. Singla R. Estimation of serum rifampicin levels in patients with anti tuberculosis drug induced hepatotoxicity and comparison of safety of different reintroduction regimens. All India Institute of Medical Sciences, New Delhi , December 2009
58. Prasad D. Prognostic utility of systemic inflammatory markers in acute exacerbation of chronic obstructive pulmonary disease. All India Institute of Medical Sciences, New Delhi (work in progress)
59. Tiwari P. Study of clinical and microbiological profile of community acquired pneumonia (CAP). All India Institute of Medical Sciences, New Delhi (work in progress)
60. Torka P. Microbial patterns in severe exacerbations of chronic obstructive pulmonary disease requiring mechanical ventilation. All India Institute of Medical Sciences, New Delhi, December 2008
61. Barwad P. Evaluation of side effects of antiretroviral therapy in patients with HIV and AIDS at AIIMS: A prospective observational study. All India Institute of Medical Sciences, New Delhi, December 2008
62. George G. To study the prevalence of clostridium difficile in nosocomial diarrhea in patients admitted in Medicine ICU. All India Institute of Medical Sciences, New Delhi, December 2008

63. Singh G. Study of efficacy and safety of thrice a week intermittent antituberculosis treatment and early versus delayed incitation of antiretroviral therapy for HIV infector patients with tuberculosis. All India Institute of Medical Sciences, New Delhi (work in progress)
64. Agrawal S. Prevalence of metabolic syndrome in obstructive sleep apnea and the effect of treatment with continous posture airway pressure on metabolic syndrome. All India Institute of Medical Sciences, New Delhi, (work in progress)
65. Gupta V. Dyslipidemia among HIV-infected patients receiving antiretroviral therapy, a prospective observational study. All India Institute of Medical Sciences, New Delhi (work in progress)
66. Karmarkar S. Pattern of Tuberculosis – Immune reconstititional inflammatory syndrome in HIV/AIDS patients receiving HAART. All India Institute of Medical Sciences, New Delhi (work in progress)
67. Prasad KT. A study of subclinical atherosclerosis in ankylosing spondylitis. All India Institute of Medical Sciences, New Delhi. (work in progress).
68. Damodaran D. Effect of continous positive pressure (CPAP) on cardio vascular biomarkers in patients of obstructive sleep apnea. All India Institute of Medical Sciences, New Delhi (work in progress)
69. Ahmad S. Serum IL-6 level as marker of disease activity in ankylosing spondylitis without peripheral arthritis. All India Institute of Medical Sciences, New Delhi (work in progress).
70. Satyarrddi A. Estimation of three drug levels of rifampicin in patients on antituberculosis therapy and its correlation with development of drug induced hepatotoxicity. All India Institute of Medical Sciences, New Delhi (work in progress).

DM PROJECTS

1. Bajaj S. Adrenocortical reserve in tuberculosis (DM Project) New Delhi, All India Institute of Medical Sciences, 1992

Ph.D THESIS

1. Verma A. Identification and molecular analysis of genome of *Mycobacterium tuberculosis* using polymerase chain reaction. All India Institute of Medical Sciences, New Delhi 1994
2. Das Gupta N. Molecular analysis of gene expression in *Mycobacterium tuberculosis*. All India Institute of Medical Sciences, New Delhi 1994
3. Balamurugan A. HLA-DR restriction Th1/Th2 immune response in tuberculosis: a genetic diversity. All India Institute of Medical Sciences, New Delhi 2003
4. Suresh VN. Development and evaluation of reverse line blot assay based on sequence analysis of rpo B gene in Rifampicin resistant M.tuberculosis isolates. All India Institute of Medical Sciences, New Delhi 2005
5. Haldar B. Determiation of relative fraction of intergrated and unitegrated viral DNA and plasma viral RNA in HIV-1 infected individuals. All India Institute of Medical Sciences, New Delhi (work in progress)
6. Vempati R. Effect of yoga on pulmonary function, mast cell activation, and quality of life in bronchial asthma: A randomized controlled trial. All India Institute of Medical Sciences, New Delhi (work in progress)
7. Mabalirajan U. Role of mitochondria in experimental atopc asthma. All India Institute of Medical Sciences, New Delhi; 2009
8. Najmi Neelam. Toll-like receptor polymorphisms in M.tuberculosis infection. All India Institute of Medical Sciences, New Delhi; 2009.
9. Saha PK. Study of T cells subsets and dynamics of cytokines production in human tuberculosis. All India Institute of Medical Sciences, New Delhi; 2009.
10. Sharma PK. Immunology of regulatory T cells subsets in human tuberculosis. All India Institute of Medical Sciences, New Delhi (work in progress).

11. Rana T. Detection of viable Mycobacterium tuberculosis by reverse transcriptase-real time PCR of mRNA. All India Institute of Medical Sciences, New Delhi (work in progress).
12. Arora J. To study epidemiology of tuberculosis in India, using molecular methods. All India Institute of Medical Sciences, New Delhi (work in progress).
13. KD Rudraraju. Clinical and molecular evaluation of drug resistant patterns in North Indian mycobacterial isolates obtained from various HIV positive and HIV negative patients. All India Institute of Medical Sciences, New Delhi (work in progress)
14. Rai AK. Studies on T cell mediated immunosuppression in visceral leishmaniasis patient. All India Institute of Medical Sciences, New Delhi (work in progress).
15. Mishra H. Molecular study of differentially expressed hypoxia protein in subjects with OSA. All India Institute of Medical Sciences, New Delhi (Work in progress).
16. Devarapu SK. Analysis of differentially expressed proteins in patients with bronchial asthma. All India Institute of Medical Sciences, New Delhi; 2010.
17. Sharma G. Influence of genetic variations in HLA chemokines, cytokines and their receptors on HIV-1 infection. All India Institute of Medical Sciences, New Delhi (work in progress).
18. Singh A. Immunoregulatory role of co-stimulatory molecules in tuberculosis. All India Institute of Medical Sciences, New Delhi (work in progress).
19. Rathored J. Role of vitamin D receptor genetic variants in response to treatment in pulmonary tuberculosis. All India Institute of Medical Sciences, New Delhi (work in progress).
20. Vashishtha R. Comparison of various methods for detection of TB infection and diseases in HIV/AIDS. All India Institute of Medical Sciences, New Delhi (work in progress).
21. Kumar S. Study of efficacy and safety of concomitant use of Nevirapine and Rifampicin in antiretroviral naive patients co-infected with HIV and Tuberculosis. All India Institute of Medical Sciences, New Delhi (work in progress).
22. Kaushik G. To study the role of oxidative stress in cellular apoptosis and expression of chemokine receptor CCR5 and CXCR4 on CD4⁺ T-cells with cytokine profiling among the HIV-TB co-infected patients. All India Institute of Medical Sciences, New Delhi (work in progress).
23. Kumar N. Study of prevalence and types of baseline HIV drug resistance in the antiretroviral treatment-naive and previously treated HIV infected Northern India population. All India Institute of Medical Sciences, New Delhi (work in progress).
24. Das M. Role of oral vitamin D as an adjunct therapy in Category I Pulmonary tuberculosis along with assessment of immunological parameters (Double-blind, Randomized, Placebo-controlled, Clinical Trial. All India Institute of Medical Sciences, New Delhi (work in progress).
25. Munawwar A. To study the role of human herpes viruses in the sexual transmission of pathogenesis of HIV. All India Institute of Medical Sciences, New Delhi (work in progress).
26. Mishra H. Expression analysis of Micro RNA's and their relation with cytokine production in T-cell population in patient with tuberculosis. All India Institute of Medical Sciences, New Delhi (work in progress).
27. Jha B. Differential expression of proteins in pleural effusion and as molecular marker and discovery of candidate marker for the development of vaccine. All India Institute of Medical Sciences, New Delhi (work in progress).
28. Yadav RN. Comparative drug susceptibility testing of mycobacterium tuberculosis by Lowenstein- Jensen proportion method and Line Probe Assay in MDR-TB. All India Institute of Medical Sciences, New Delhi (work in progress).
29. Ranjan S. To make a HIV cohort at tertiary care centre to see long term non-progression versus rapid progression of disease. All India Institute of Medical Sciences, New Delhi (work in progress).

Centre for Scientific and Industrial Research (CSIR) Fellowship/Pool Officer

1. Mishra H. Project titled “Anti-tuberculosis drug induced hepatotoxicity”, Department of Medicine, All India Institute of Medical Sciences, New Delhi 2004
2. Dr. Gulati V. Joined as Senior Research Associate in Department of Medicine, All India Institute of Medical Sciences, New Delhi 2005
3. Dr. Kadhiravan T. Joined as Senior Research Associate in Department of Medicine, All India Institute of Medical Sciences, New Delhi 2007

Short term training

1. Smith-Rohrberg D. (Yale Medical School, USA) joined short term training from March to August 2005 in the Department of Medicine, AIIMS, New Delhi to study about the Infectious disease control (prison-in mates)
2. Basu S. (Yale Medical School, USA) joined short term training from November to December 2005 in the Department of Medicine, AIIMS, New Delhi.
3. Singh B (from UK) joined short term training from August 2010 to January 2011 in the Department of Medicine, AIIMS, New Delhi