

CURRICULUM VITAE

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EUCATIONAL QUALIFICATIONS:

| DEGREE | SUBJECT/SPECIALITY | UNIVERSITY | DATE |
|---|---------------------------|--|-------------|
| Hon. FRCP (Fellow of the Royal College of Physicians, London) | Medicine | Royal College of Physicians of London, UK | July 2016 |
| FICS (Fellow of the Indian Chest Society) | Respiratory Medicine | Indian Chest Society | Nov 2014 |
| FCCP (Fellow of the College of Chest Physicians) | Respiratory Medicine | American College of Chest Physicians, USA | Jan 2009 |
| PhD (Doctor of Philosophy) | Clinical Medicine | University of Southampton, UK | Oct. 1999 |
| MD (Doctor of Medicine) | Respiratory Medicine | University of Pune, India | May 1993 |
| DNB (Diplomate of the National Board) | Respiratory Medicine | National Board of Examinations, New Delhi, India | Nov 1992 |
| DTCD (Diploma in Tuberculosis & Chest Diseases) | Respiratory Medicine | University of Pune, India | Dec 1990 |
| MBBS (Bachelor of Medicine, Bachelor of Surgery) | Medicine and Surgery | University of Pune, India | Dec 1987 |

ACADEMIC / ADMINISTRATIVE POSITIONS:

| | | |
|-------------------------------------|--|---------------------|
| Director | Chest Research Foundation, Pune, India | May 2002 – Feb 2020 |
| Visiting Faculty | Department of Respiratory Medicine, Imperial College, London, UK | Feb 2008 onwards |
| Visiting Faculty | Johns Hopkins University, USA | Jan 2011 onwards |
| PhD Mentor | University of Pune, Pune, India | Feb 2007 onwards |
| Distinguished Professor of Research | Symbiosis International University, Pune, India | April 2022 onwards |

14 PhD Students mentored so far

OTHER CURRENT POSITIONS:

| | | |
|--|--|----------------------------|
| President | Indian Chest Society | 2022 - 2023 |
| Vice President Elect | Indian Chest Society | 2019 - 2020 2018 - 2019 |
| Elected Member, Governing Body | Indian Chest Society | 2021-2023 |
| Member, Board of Directors, GOLD | Global Initiative for Obstructive Lung Disease (GOLD) | Nov 2017 onwards |
| Chair, Chronic Respiratory Diseases | Global Burden of Disease, India | Nov 2015 onwards |
| Member, International Advisory Board | Lancet Respiratory Medicine, UK | Sept 2012-2021 |
| Associate Editor | Lung India | 2021 onwards |
| Member, Steering Committee: 'Air Pollution and Health' | Ministry of Health and Family Welfare, Government of India, India | Feb 2014 onwards |
| Founder Member | Academy of Pulmonary Sciences, India | Feb 2014 onwards |
| Associate Editor | npj Primary Care Respiratory Medicine Journal, UK | Feb 2013 onwards |
| Section Editor | Lung India | Aug 2010 onwards |
| Member, Editorial Board | Frontiers in Pharmacology – Respiratory Pharmacology | June 2011 onwards |
| Member, Editorial Board | CHEST India | Jan 2011 onwards |
| Member, Editorial Board | Indian Journal of Chest Diseases and Allied Sciences, India | Jan 2007 onwards |
| Research Mentor, Member Research and Recognition Committee | Symbiosis International University | June 2014 onwards |

PREVIOUS POSITIONS HELD:

| | | |
|------------------------------------|--|-----------------|
| Guest Editor - COPD | Journal of Association of Physicians of India | 2012 Supplement |
| Member, Governing Council | Indian Chest Society | 2003 - 2007 |
| President, West Zone Chapter | Indian Chest Society | 2003 - 2005 |
| Member, Editorial Board | Lung India | 2005 - 2010 |
| Member, National Advisory Board | Journal of Association of Physicians of India | 2005 - 2010 |
| Member, Advisory Board | Medical Journal of Western India | 2004 - 2006 |
| Member, Advisory Board | Journal of Indian Academy of Allergy | 2005 -2006 |
| Member, Advisory Board | Central India Chest Academy | 2002 - 2004 |

LEADERSHIP / ADMINISTRATIVE ROLE:

I. Established Chest Research Foundation as a Research Institute:

I helped set up the Chest Research Foundation (CRF) from its inception. This unique state-of-the-art academic research institute situated in the city of Pune in India, was dedicated for research and education in the field of chronic respiratory diseases with a major focus on Asthma and COPD. Over the last 15 years, CRF has contributed to knowledge generation and knowledge dissemination in the field of airway diseases and was established as a leading research institute in India in this field.

The team comprising of 72 members were actively involved in conducting large-scale epidemiological studies, lung physiology research, phase II to phase IV clinical trials in Asthma, COPD and Allergic Rhinitis, and molecular research in airways disease. CRF has active ongoing collaborations with the Imperial College, London, UK and the Johns Hopkins University, Baltimore, USA through research funds from the Medical Research Council, UK and three Fogarty grants from USA. CRF also has active collaborations with McMaster University, Canada, Massachusetts Institute of Technology, USA and Rice University USA, along with various national research institutes, academic organizations and universities in India.

For its pioneering work in the field of asthma and COPD, CRF was recognized as a Centre of Excellence for Research in Lung Diseases by the Ministry of Science of Technology, Government of India and the Indian Council of Medical Research. CRF was also recognized for PhD Programs in Health Sciences by the University of Pune and the Symbiosis International University. So far, 4 PhD students (2 from overseas) have completed their PhDs and 6 students are pursuing their PhDs. Over 15 postgraduate students of Medicine and Life Sciences have completed their research theses/dissertations at CRF. Several of these research studies have received national and international awards.

Some Key Studies from Chest Research Foundation:

| Type of Study | Title | Sample Size / No. of Studies | Number of Peer Reviewed Publications |
|----------------------------|--|-------------------------------------|---|
| Epidemiology | International Study for Asthma and Allergies in Children (ISAAC Study) | 16,000 | 11 |
| Epidemiology | Lung Health in Slum Dwellers in Pune city | 12,000 | 1 |
| Epidemiology | Reference values for Peak Expiratory Flow Rate for India | 10,000 | 1 |
| Epidemiology | COPD Prevalence in a rural population in India (BOLD Study) | 3,500 | 1 + 2 (In preparation) |
| Epidemiology | What ails India? A 1-day point prevalence study in 880 cities and towns across India | 2,05,000 | 1 |
| Epidemiology | Asthma Insights and Management in Asia Pacific | 3,600 | 2 published + 2 under preparation |
| Clinical Trials | Phase II, III and IV on Asthma and COPD | >80 clinical trials | 6 |
| Clinical/Molecular Studies | Phenotypic characterization of Non-Smoking COPD | 6 studies | Work Underway |
| Clinical/Molecular | Biomass COPD | 4 studies | Work Underway |
| Academic Studies | Lung Physiology, Effects of Air Pollution | 30 | 5 published + 15 under preparation |

Number of research abstracts presented and Awards received by CRF team Members at the *European Respiratory Society Annual Congresses from 2007 onwards* -

| Year (Venue) | Number of Abstracts presented | Awards / Recognitions |
|---------------------|--------------------------------------|--|
| 2017 (Milan) | 10 | 1 Invited Talk 1 Silver travel award 1 ICMR Travel Award |
| 2016 (London) | 10 | 2 Invited Talks 1 Young Scientist Award 2 Gold Travel Sponsorships |
| 2015 (Amsterdam) | 12 | 2 Gold Sponsorships 1 Silver Sponsorship |
| 2014 (Munich) | 15 | 3 Invited Talks 2 Young Scientist Awards 4 Silver Travel Awards |
| 2013 (Barcelona) | 14 | 1 Young Scientist Award 1 Gold Travel Award |

| Year (Venue) | Number of Abstracts presented | Awards / Recognitions |
|---------------------|--------------------------------------|---|
| 2012 (Vienna) | 6 | 1 Invited Talk 1 Best Paper in Primary Care 1 Young Scientist Award 1 Gold Travel Award 1 Silver Travel Award |
| 2011 (Amsterdam) | 8 | 1 Young Scientist |
| 2010 (Barcelona) | 12 | 2 Silver Travel Awards |
| 2009 (Vienna) | 10 | 1 Invited Speaker 2 Silver Travel Awards |
| 2008 (Berlin) | 6 | 1 Gold Travel Award 1 Silver Travel Award |
| 2007 (Stockholm) | 8 | 1 Best COPD Paper Award 1 Young Scientist Award |

- CRF received the “Best Pulmonology Team in South Asia” from the British Medical Journal Awards, 2015
- CRF received “Award from Indian Society for Clinical Research” for Exemplary Work in the field of Respiratory Medicine, 2015.
- CRF received the “Best Clinical Research Site in India” Award from the Indian Society for Clinical Research, 2012.
- CRF received the “Best Research Paper Award” at the 1st International Workshop on Lung Health: COPD The New Paradigms, Monaco, France, Dec 2013.
- CRF received several awards for research studies presented at the National Pulmonary Congress (NAPCON) over the last 5 years.

II. Established Chest Research Foundation as an Educational Centre:

Realizing the need to upgrade the quality of care that practicing physicians can offer to their patients, Chest Research Foundation designed and conducted several training programs in respiratory medicine for primary care physicians, pediatricians, internists and pulmonologists from all over India as well as several overseas countries, including Sri Lanka, Nepal, Malaysia, Vietnam, Kenya, Tanzania, Lebanon, UAE, Yemen and Oman. CRF has trained over 25,000 doctors across India and neighboring countries through contact sessions.

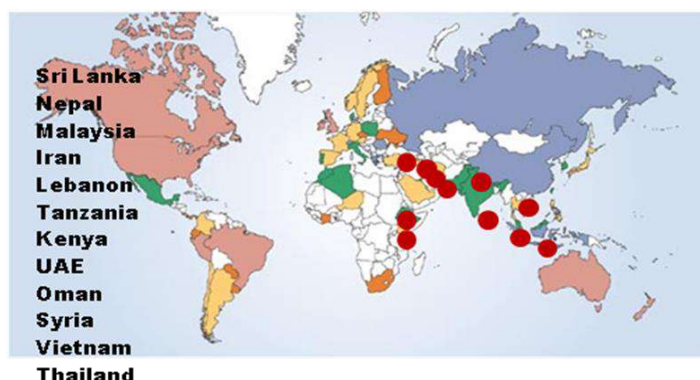
The on-site training programs that have been developed at CRF include:

- *ROAD (Refresher Course in Obstructive Airways Diseases):*
 - A 2-day Program for Physicians.
 - Completed 101 such programs across India as well as outside India
- *CASPER (Changing Asthma Practices in the Pediatric Population through Education and Research):*
 - A 1-day Program for Pediatricians
 - Completed 52 such programs across India as well as outside India
- *ROAM (Rural Obstructive Airways Disease Mission):*
 - A 1-day Program for Primary Health Care Physicians
- *CHAMPS (Changing Asthma Management Practices):*
 - A ½ day Program for Primary Care Physicians
- *Spirometry Simplified:*
 - A 1 or ½ day Program for Physicians and Technicians
- *Advanced Pulmonary Function Test Workshop:*
 - A 3-day Program for Physicians and Technicians
 - A total of 15 such programs have been organized

On-site training programs conducted by CRF across India



On-site training programs conducted by CRF across the globe



Web-based Training Programs:

- We developed a web-based e-learning module on Spirometry called “**Spirometry Simplified**” that is accessible to everyone across the globe. It is a 3.5 hour e-learning module aimed at training physicians and technicians about Spirometry.
- **PURVIEW (Practical Updates for Respiratory Postgraduate Students via the Web)**
 - This live web-based training program was designed for postgraduate students across India via the web to educate them on the latest advancements occurring in this field in all topics in respiratory medicine. The live webcast was done from the CRF Studio, where carefully selected faculty speakers from across India are invited to talk on different topics in respiratory medicine.
 - A total of 27 PURVIEW Programs have been conducted so far, and each program is attended by around 600-700 postgraduate students from across India. This has become a very popular postgraduate update program.

Educational Material Including Book Chapters / Monographs:

- Guest Editor - ‘Special Supplement on COPD’ for ‘Journal of Association of Physicians of India’, February 2012, Volume 60, covering all areas of COPD, including an editorial on ‘India needs a National COPD Prevention and Control Program’.
- Section Editor – ‘Chronic Obstructive Pulmonary Disease’ for ‘Textbook for Pulmonary and Critical Care Medicine’ Editor: Jindal SK. Jaypee Publishers, India, 2011, comprising of 17 chapters.
- Salvi S. Tobacco Smoking and Environmental Risk Factors for COPD. Clinics in Chest Medicine 2014; 35(1): 17-27.
- Salvi S. COPD in Never Smokers. Henry Stewart Talks: The Biomedical and Life Sciences Collection. http://hstalks.com/main/view_talk.php?t=2358&c=252.
- Limaye S, Salvi S. Air Pollution: Effects on Allergy and Asthma. In: Atlas of Allergy. Ed: Weber R, Vedanthan PK et al. Science Publishers, New Hampshire, USA. 2013.
- Salvi S, Brashier B. Managing Asthma in Clinical Practice: The role of Asthma Control. In: Medicine Update 2009. Ed. Agarwal SK, Published by Association of Physicians of India, 2009.
- Salvi S. Controversies surrounding antileukotrienes. In: Therapeutic Strategies: Asthma Current Treatments. Ed. Polosa R, Holgate ST. 1st Ed. Clinical Publishing, Oxford, 2007.

- Babu KS, Salvi S. Asthma – Understanding Pathophysiology. In: Principles and Practice of Tropical Allergy and Asthma. Ed. Wiqar Shaikh, 1st Ed, Vikas Medical Publishers, India, 2006.
- Salvi S, Holgate ST. Immune functions of the airway epithelium. In: The Immunological Basis of Asthma. Ed. Lambrecht B, Diamant Z, Hoogsteden H. Marcel Dekker Publisher, Book Series – Lung Biology in Health and Disease, Amsterdam, 2003.
- Salvi S, Holgate ST. Newer therapies for Asthma. In: Allergy: principles and Practice. 6th Ed. Mosby/Harcourt Publishers, London, 2003.
- Krishna MT, Salvi S, Holgate ST. Pathogenesis of Asthma. In: Clinical Immunology, Principles and Practice, 2nd Ed., Mosby Publishers, 2002.
- Salvi S, Sampson A, Holgate ST. Asthma. In – Eyclopedia of Life Sciences. McMillan Publishers, London, 1999.

CRF Newsletter – RESPIMIRROR:

- This newsletter of CRF was published every 2 months since 2011. Hard copies were posted to around 2000 physicians across India and soft copies are distributed via email to around 12,000 physicians from India as well as overseas. This newsletter contained results of research work conducted at CRF and useful educational material in respiratory medicine for practicing physicians to read and use in their daily practice.

III. Established New Collaborations with International/National Organizations:

- CRF was selected as a Full member of the International Primary Care Respiratory Group, Scotland, UK, representing India, 2013 onwards
- CRF was selected as the European Respiratory Society educational partner for conducting training activities for physicians across India, 2014 onwards.
- Academic Collaborations established with:
 - Dept. of Respiratory Medicine, Imperial College, London, UK
 - School of Public Health, Johns Hopkins University, Baltimore, USA
 - Massachusetts Institute of Technology, USA
 - Rice University, USA
 - Baylor School of Medicine, USA
 - McMaster University, USA
 - Dept. of Respiratory Medicine, University of Western Australia, Perth, Australia
 - Dept. of Immunology and Asthma, University of Tehran, Iran
 - Institute of Genomics and Integrated Biology, New Delhi, India
 - Several Universities across India

IV. CRF as Organizer:

- ICONIC (International Conference on Insights and Management of COPD)
 - This 1st International Conference on COPD was organized by CRF and Johns Hopkins University at Pune, India, with 18 overseas Faculty Speakers and 20 Indian Faculty Speakers. This 2-day event was attended by 500 physicians.

- The Conference was supported by European Respiratory Society, American Thoracic Society, COPD Foundation, Indian Council of Medical Research, Indian Chest Society and National College of Chest Physicians.
- Seeing the success of this conference, the next ICONIC Conference was held in February 2016 in Pune, India.

- Meetings of the Heads of the Departments of Respiratory Medicine, Medicine, Pediatrics: A total of 153 Heads of the Departments across India attended a 2-day program at CRF to debate and discuss how quality respiratory services, quality respiratory education and quality respiratory research can be promoted in India.

PUBLICATIONS:

JOURNAL PAPERS:

- Meghji J, Mortimer K, Agusti A, ... **Salvi S** et al. Improving lung health in low-income and middle-income countries: from challenges to solutions. *Lancet*. 2021 Mar 6;397(10277):928-940.
- Barne MS, Girase BA, Pathak DV, Ghorpade DD, Doke PP, **Salvi SS**. Effectiveness of the Training Material on Chronic Obstructive Pulmonary Disease Designed for Accredited Social Health Activist Workers: A Quasi-experiment Design. *Indian J Community Med*. 2020 Oct-Dec;45(4):565-566.
- Dhar R, Chhowala S, Lopez M, Hegde R, Madas S, **Salvi S**, Gogtay J. Assessment of asthma control in users of oral anti-asthma medications. *Int J Tuberc Lung Dis*. 2021 Aug 1;25(8):620-625.
- **Salvi S**, Balki A, Krishnamurthy S, Panchal S, Patil S, Kodgule R, Khandagale H, Pendse A, Wu W, Rangwala S, Tandon M, Barkate H. Efficacy and safety of single-inhaler triple therapy of glycopyrronium, formoterol and fluticasone in patients with COPD: a double-blind, randomised controlled trial. *ERJ Open Res*. 2021 Jul 26;7(3):00255-2021.
- Amaral AFS, Burney PGJ, Patel J, **Salvi S** et al BOLD (Burden of Obstructive Lung Disease) Collaborative Research Group; BOLD (Burden of Obstructive Lung Disease) Collaborative Research Group members. Chronic airflow obstruction and ambient particulate air pollution. *Thorax*. 2021 May 11;thoraxjnl-2020-216223.
- **Salvi SS**, Dhar R, Mahesh PA, Udawadia ZF, Behra D. COPD Management during the COVID-19 pandemic. *Lung India*. 2021 Mar;38(Supplement): S80-S85.
- Dhar R, Singh V, Samaria JK, **Salvi S**, Talwar D. Guidance to physicians on managing asthma during the ongoing pandemic. *Lung India*. 2021 Mar;38(Supplement):S74-S77.
- Agarwal DM, Dhotre DP, Kumbhare SV, Gaikhe AH, Brashier BB, Shouche YS, Juvekar SK, **Salvi SS**. Disruptions in oral and nasal microbiota in biomass and tobacco smoke associated chronic obstructive pulmonary disease. *Arch Microbiol*. 2021 Jul;203(5):2087-2099.
- Ghorpade DD, Raghupathy A, Londhe JD, Madas SJ, Kale NV, Singh NAP, Patil RS, Barne MS, Doke PPR, **Salvi SS**. COPD awareness in the urban slums and rural areas around Pune city in India. *NPJ Prim Care Respir Med*. 2021 Feb 11;31(1):6.
- Mishra N, **Salvi S**, Lyngdoh T, Agrawal A. Low lung function in the developing world is analogous to stunting: a review of the evidence. *Wellcome Open Res*. 2020 Nov 18;5:147. doi: 10.12688/wellcomeopenres.15929.2.
- **Salvi SS**. Is there a role for inhaled ciclesonide in the treatment of COVID-19? *Lung India*. 2021 Jan-Feb;38(1):1-4.
- India State-Level Disease Burden Initiative Air Pollution Collaborators. Health and economic impact of air pollution in the states of India: the Global Burden of Disease Study 2019. *Lancet Planet Health*. 2021 Jan;5(1):e25-e38.
- Orme MW, Free RC, Manise A, ... **Salvi S** et al. Global RECHARGE: Establishing a standard international data set for pulmonary rehabilitation in low- and middle-income countries. *J Glob Health*. 2020 Dec;10(2):020316. doi: 10.7189/jogh.10.020316.

- Dhadge N, Shevade M, Kale N, Narke G, Pathak D, Barne M, Madas S, **Salvi S**. Monitoring of inhaler use at home with a smartphone video application in a pilot study. *NPJ Prim Care Respir Med*. 2020 Oct 16;30(1):46. doi: 10.1038/s41533-020-00203-x.
- Shevade MS, Yeravdekar RC, **Salvi SS**. A Cross-Sectional Survey of Practice Patterns and Selected Demographics of Respiratory Therapists in India. *Respir Care*. 2021 Jan;66(1):66-72
- Dhar R, Singh V, Samaria JK, **Salvi S**, Talwar D. Guidance to physicians on managing asthma during the ongoing pandemic. *Lung India*. 2021 Mar;38(Supplement):S74-S77.
- **Salvi SS**, Dhar R, Mahesh PA, Udwadia ZF, Behra D. COPD Management during the COVID-19 pandemic. *Lung India*. 2021 Mar;38(Supplement):S80-S85.
- Amaral AFS, Burney PGJ, Patel J,... **Salvi S** et al Chronic airflow obstruction and ambient particulate air pollution. *Thorax*. 2021 May 11:thoraxjnl-2020-216223. doi: 10.1136/thoraxjnl-2020-216223. Epub ahead of print. PMID: 33975927.
- **Salvi S**, Deb AK, Agarwal M, et al. Fixed-dose combination of three drugs, i.e. LABA/LAMA/ICS for COPD: results of a real-world study from India [published online ahead of print, 2020 Aug 7]. *Pulm Pharmacol Ther*. 2020;101932. doi:10.1016/j.pupt.2020.101932
- Agarwal D, Parker R, Pinnock H, **Salvi S** et al. Normal spirometry predictive values for the Western Indian adult population [published online ahead of print, 2020 May 4]. *Eur Respir J*. 2020;1902129. doi:10.1183/13993003.02129-2019.
- Carlsten C, **Salvi S**, Wong GWK, Chung KF. Personal strategies to minimise effects of air pollution on respiratory health: advice for providers, patients and the public. *Eur Respir J*. 2020;55(6):1902056. Published 2020 Jun 4. doi:10.1183/13993003.02056-2019.
- Sharma BB, Singh S, Sharma KK, **Salvi S** et al. Methodology of Seasonal Waves of Respiratory Disorders survey conducted at respiratory outpatient clinics across India. *Lung India*. 2020;37(2):100-106. doi:10.4103/lungindia.lungindia_466_19.
- **Salvi SS**, Brashier BB, Londhe J, et al. Phenotypic comparison between smoking and non-smoking chronic obstructive pulmonary disease. *Respir Res*. 2020;21(1):50. Published 2020 Feb 12. doi:10.1186/s12931-020-1310-9
- Studnicka M, Horner A, Sator L, Buist AS, Lamprecht B, **Salvi S**, BOLD Collaborative Research Group. COPD: Should Diagnosis Match Physiology?. *Chest*. 2020;157(2):473-475. doi:10.1016/j.chest.2019.09.039
- Halpin DMG, Celli BR, Criner GJ, **Salvi S** et al. The GOLD Summit on chronic obstructive pulmonary disease in low- and middle-income countries. *Int J Tuberc Lung Dis*. 2019;23(11):1131-1141. doi:10.5588/ijtld.19.0397

- Singh S, Halpin D, **Salvi S**, Kirenga B, Mortimer K. Exercise and Pulmonary Rehabilitation for people with chronic lung disease in LMICs. Challenges and opportunities. *Lancet Respir Med* 2019; 7(12): 1002-1004.
- Dhar R, Singh S,....**Salvi S**, Aliberti S, Chalmers JD. Bronchiectasis in India. Results from EMBARC and Respiratory Research Network of India. *Lancet Global Health* 2019; 7(9): e1269-e1279.
- Villafuerte D, Aliberti S, Soni N et al, GLIMP Investigators (**Salvi S**). Prevalence and risk factors for Enterobacteriaceae in patients hospitalized with Community Acquired Pneumonia. *Respirology* 2019; Ahead of print.
- Agarwal A, Kadam S, Brahme A, Agrawal M, Apte K, Narke G, Kekan K, Madas S, **Salvi S**. Systemic immune-metabolic alterations in COPD. *Respire Res* 2019; 201(1): 171.
- Khafaie MA, **Salvi SS**, Yajnik CS, Rahim F, Khafaie B. Role of blood glucose and fat profile in lung function pattern of Indian type 2 diabetic subjects. *Multidiscip Respir Med*. 2019 Jul 1;14:22
- Shah R, Limaye S, Ujagare D, Madas S, **Salvi S**. Personal exposures to particulate matter <2.5 µm in mass median aerodynamic diameter (PM_{2.5}) pollution during the burning of six most commonly used firecrackers in India. *Lung India*. 2019 Jul-Aug;36(4):324-329.
- Halpin DMG, Celli BR, Criner GJ, Frith P, López Varela MV, **Salvi S**, Vogelmeier CF, Chen R, Mortimer K, Montes de Oca M, Aisanov Z, Obaseki D, Decker R, Agusti A. It is time for the world to take COPD seriously: a statement from the GOLD board of directors. *Eur Respir J*. 2019 Jul 4;54(1). pii: 1900914.
- Shah S, Darekar B, Salvi S, Kowale A. Quadriceps strength in patients with COPD. *Lung India* 2019; 36(5): 417-421.
- Halpin D, Celli B, Criner CJ, Frith P, Lopez V, **Salvi S**, Vogelmeier C, Chen R, Mortimer K, Aisanov Z, Obaseki D, Decker R, Agusti A. The GOLD summit on COPD in low-and middle-income countries. *Int J TB Lung Dis* 2019; 23(11): 1131-1141.
- Gupte AN, Kadam D, Sagale S, Rewari B, **Salvi S**, Chavan A, Nimkar S, Golub J, Gupte N, Gupta A, Marbaniang I, Mave V. Incidence of TB in HIV-infected adults on first and second line anti-retroviral therapy in India. *BMC Infect Dis* 2019; 19(1): 914.
- Di Pasquale MF, Sotgiu G, Gramegna A, Radovanovic D, Terraneo S, Reyes LF, Rupp J, González Del Castillo J, Blasi F, Aliberti S, Restrepo MI; GLIMP (**Salvi S**) Investigators. Prevalence and Etiology of Community-acquired Pneumonia in Immunocompromised Patients. *Clin Infect Dis*. 2019 Apr 24;68(9):1482-1493
- Gupte AN, Paradkar M, Selvaraju S, **Salvi S**, Checkley W, Golub J, Bollinger R, Mave V, Padmapriyadarasini C, Gupta A et al. Assessment of lung function in successfully treated tuberculosis reveals high burden of ventilatory defects and COPD. *PLoS One*. 2019 23;14(5) :e0217289.
- Gupte AN, Selvaraju S, Paradkar M, **Salvi S**, Mave V, Gupta A et al. Respiratory health status is associated with treatment outcomes in pulmonary tuberculosis. *Int J Tuberc Lung Dis*. 2019; 23(4): 450-457.
- Brakema EA, van Gemert FA, van der Kleij RMJJ, **Salvi S**, Puhan M, Chavannes NH; FRESH AIR collaborators. COPD's early origins in low-and-middle income countries: what are the implications of a false start? *NPJ Prim Care Respir Med*. 2019 Mar 5;29(1):6.

- Ghosh B, Gaike AH, Pyasi K, Brashier B, Das VV, Londhe JD, Juvekar S, Shouche YS, Donnelly LE, **Salvi SS**, Barnes PJ. Bacterial load and defective monocyte-derived macrophage bacterial phagocytosis in biomass smoke-related COPD. *Eur Respir J*. 2019 Feb 28;53(2). pii: 1702273
- India State-Level Disease Burden Initiative Air Pollution Collaborators (**Salvi S**). The impact of air pollution on deaths, disease burden, and life expectancy across the states of India: the Global Burden of Disease Study 2017. *Lancet Planet Health*. 2019 Jan;3(1):e26-e39.
- GBD 2017 SDG Collaborators (**Salvi S**). *Lancet*. 2018 Nov 10;392(10159):2091-2138. doi: 10.1016/S0140-6736(18)32281-5. Measuring progress from 1990 to 2017 and projecting attainment to 2030 of the health-related Sustainable Development Goals for 195 countries and territories: a systematic analysis for the Global Burden of Disease Study 2017.
- GBD 2017 Population and Fertility Collaborators (**Salvi S**). *Lancet*. 2018 Nov 10;392(10159):1995-2051. doi: 10.1016/S0140-6736(18)32278-5. Population and fertility by age and sex for 195 countries and territories, 1950-2017: a systematic analysis for the Global Burden of Disease Study 2017.
- GBD 2017 Disease and Injury Incidence and Prevalence Collaborators (**Salvi S**). Global, regional, and national incidence, prevalence, and years lived with disability for 354 diseases and injuries for 195 countries and territories, 1990-2017: a systematic analysis for the Global Burden of Disease Study 2017. *Lancet*. 2018 Nov 10;392(10159):1789-1858. doi: 10.1016/S0140-6736(18)32279-7.
- GBD 2017 Causes of Death Collaborators (**Salvi S**). Global, regional, and national age-sex-specific mortality for 282 causes of death in 195 countries and territories, 1980-2017: a systematic analysis for the Global Burden of Disease Study 2017. *Lancet*. 2018 Nov 10;392(10159):1736-1788.
- Criner GJ, Martinez FJ, Aaron S, Agusti A, Anzueto A, Bafadhel M, Barnes PJ, Bourbeau J, Chen R, Ewig J, Fabbri LM, Frith P, Halpin DMG, Han M, Montes de Oca M, Nishimura M, O'Donnell D, Papi A, Pavord I, Roche N, Rodriguez-Roisin R, **Salvi S**, Singh D, Sin DD, Stockley R, López Varela MV, Vestbo J, Vogelmeier CF, Washko G, Wedzicha JA, Celli BR. Current Controversies in Chronic Obstructive Pulmonary Disease. A Report from the Global Initiative for Chronic Obstructive Lung Disease Scientific Committee. *Ann Am Thorac Soc*. 2019 Jan;16(1):29-39.
- GBD 2017 DALYs and HALE Collaborators (**Salvi S**). Global, regional, and national disability-adjusted life-years (DALYs) for 359 diseases and injuries and healthy life expectancy (HALE) for 195 countries and territories, 1990-2017: a systematic analysis for the Global Burden of Disease Study 2017. *Lancet*. 2018 Nov 10;392(10159):1859-1922.
- Radovanovic D, Sotgiu G, Jankovic M, Mahesh PA, Marcos PJ, Abdalla MI, Di Pasquale MF, Gramegna A, Terraneo S, Blasi F, Santus P, Aliberti S, Reyes LF, Restrepo MI; GLIMP Study Group (**Salvi S**). An international perspective on hospitalized patients with viral community-acquired pneumonia. *Eur J Intern Med*. 2019 Feb;60:54-70.
- Boudewijns EA, Babu GR, **Salvi S**, Sheikh A, van Schayck OC. Chronic obstructive pulmonary disease: a disease of old age? *J Glob Health*. 2018 Dec;8(2):020306.
- **Salvi S** et al, India State-Level Disease Burden Initiative CRD Collaborators. The burden of chronic respiratory diseases and their heterogeneity across the states of India: the Global Burden of Disease Study 1990-2016. *Lancet Glob Health*. 2018 Dec;6(12):e1363-e1374.
- Bhalla S, Sinha SK, Jain S, Gupta P, Kumar P, Chandwani H, Barne M, Murali Mohan BV, Prabhakaran D, **Salvi S**. Improving primary care physicians' capacity: A pan India initiative

on management of chronic obstructive pulmonary disease and asthma. *Lung India*. 2018 Sep-Oct;35(5):452-453.

- **Salvi S**. Letter from India. *Respirology*. 2018 Nov;23(11):1074-1075.
- Restrepo MI, Babu BL, Reyes LF, Chalmers JD, Soni NJ, Sibila O, Faverio P, Cilloniz C, Rodriguez-Cintron W, Aliberti S; GLIMP (**Salvi S**). Burden and risk factors for *Pseudomonas aeruginosa* community-acquired pneumonia: a multinational point prevalence study of hospitalised patients. *Eur Respir J*. 2018 Aug 9;52(2).
- Gordon T, Balakrishnan K, Dey S, Rajagopalan S, Thornburg J, Thurston G, Agrawal A, Collman G, Guleria R, Limaye S, **Salvi S**, Kilaru V, Nadadur S. Air pollution health research priorities for India: Perspectives of the Indo-U.S. Communities of Researchers. *Environ Int*. 2018 Oct;119:100-108.
- Magitta NF, Walker RW, Apte KK, Shimwela MD, Mwaiselage JD, Sanga AA, Namdeo AK, Madas SJ, **Salvi SS**. Prevalence, risk factors and clinical correlates of COPD in a rural setting in Tanzania. *Eur Respir J*. 2018 Jan 31;51(2).
- Khafaie MA, **Salvi SS**, Ojha A, Khafaie B, Gore SD, Yajnik CS. Particulate matter and markers of glycemic control and insulin resistance in type 2 diabetic patients: result from Wellcome Trust Genetic study. *J Expo Sci Environ Epidemiol*. 2018 Jun;28(4):328-336.
- Mejza F, Gnatiuc L, Buist AS, Vollmer WM, Lamprecht B, Obaseki DO, Nastalek P, Nizankowska-Mogilnicka E, Burney PGJ; BOLD study collaborators (**Salvi S**). Prevalence and burden of chronic bronchitis symptoms: results from the BOLD study. *Eur Respir J*. 2017 Nov 22;50(5).
- India State-Level Disease Burden Initiative Collaborators (**Salvi S**). Nations within a nation: variations in epidemiological transition across the states of India, 1990-2016 in the Global Burden of Disease Study. *Lancet*. 2017 Dec 2;390(10111):2437-2460.
- GBD 2016 DALYs and HALE Collaborators (**Salvi S**). Global, regional, and national disability-adjusted life-years (DALYs) for 333 diseases and injuries and healthy life expectancy (HALE) for 195 countries and territories, 1990-2016: a systematic analysis for the Global Burden of Disease Study 2016. *Lancet*. 2017 Sep 16;390(10100):1260-1344.
- GBD 2016 Disease and Injury Incidence and Prevalence Collaborators (**Salvi S**). Global, regional, and national incidence, prevalence, and years lived with disability for 328 diseases and injuries for 195 countries, 1990-2016: a systematic analysis for the Global Burden of Disease Study 2016. *Lancet*. 2017 Sep 16;390(10100):1211-1259.
- GBD 2016 Mortality Collaborators (**Salvi S**). Global, regional, and national under-5 mortality, adult mortality, age-specific mortality, and life expectancy, 1970-2016: a systematic analysis for the Global Burden of Disease Study 2016. *Lancet*. 2017 Sep 16;390(10100):1084-1150.
- Grønseth R, Erdal M, Tan WC, Obaseki DO, Amaral AFS, Gislason T, Juvekar SK, Koul PA, Studnicka M, **Salvi S**, Burney P, Buist AS, Vollmer WM, Johannessen A; Research teams at centres. Unemployment in chronic airflow obstruction around the world: results from the BOLD study. *Eur Respir J*. 2017 Sep 20; 50(3). pii: 1700499. doi: 10.1183/13993003.00499-2017.
- Khafaie MA, **Salvi SS**, Ojha A, Khafaie B, Gore SD, Yajnik CS. Particulate matter and markers of glycemic control and insulin resistance in type 2 diabetic patients: result from Wellcome Trust Genetic study. *J Expo Sci Environ Epidemiol*. 2017 Dec 21. doi: 10.1038/s41370-017-0001-1. [Epub ahead of print]

- Mejza F, Gnatiuc L, Buist AS, Vollmer WM, Lamprecht B, Obaseki DO, Nastalek P, Nizankowska-Mogilnicka E, Burney PGJ; BOLD collaborators (**Salvi S**). Prevalence and burden of chronic bronchitis symptoms: results from the BOLD study. *Eur Respir J*. 2017 Nov 22;50(5). pii: 1700621. doi: 10.1183/13993003.00621-2017.
- Agarwal D, Dhotre D, Patil R, Shouche Y, Juvekar S, **Salvi S**. Potential of Health and Demographic Surveillance System in Asthma and Chronic Obstructive Pulmonary Disease Microbiome Research. *Front Public Health*. 2017; 5: 196. doi: 10.3389/fpubh.2017.00196. eCollection 2017.
- Londhe JD, Apte K, Barne MS, **Salvi S**. "CAPTURETM© a Screening Tool for COPD or Obstructive Airways Disease?" *Am J Respir Crit Care Med*. 2017 Jul 19. doi: 10.1164/rccm.201705-1040LE. [Epub ahead of print].
- Vanjare N, **Salvi S**. The Z-score Does Not Predict Mortality Because of Confounding by Age. *Am J Respir Crit Care Med*. 2017 Jul 6. doi: 10.1164/rccm.201705-1023LE. [Epub ahead of print].
- Ghoshal AG, **Salvi S**, Dhar R, Guleria R, Mahashur A, Mukhopadhyay A, Ramanathan R. Consensus Document on Home Nebulization for Maintenance Treatment of Obstructive Airway Diseases: A Joint Initiative by the National Allergy Asthma Bronchitis Institute (NAABI) and Chest Research Foundation (CRF). *J Assoc Physicians India*. 2017; 65(5): 60-73.
- Khafaie MA, **Salvi SS**, Yajnik CS, Ojha A, Khafaie B, Gore SD. Air pollution and respiratory health among diabetic and non-diabetic subjects in Pune, India-results from the Wellcome Trust Genetic Study. *Environ Sci Pollut Res Int*. 2017; 24(18): 15538-15546
- Thorat YT, **Salvi SS**, Kodgule RR. Peak flow meter with a questionnaire and mini-spirometer to help detect asthma and COPD in real-life clinical practice: a cross-sectional study. *NPJ Prim Care Respir Med*. 2017; 27(1): 32. doi: 10.1038/s41533-017-0036-8.
- Das V, Nitin V, **Salvi S**, Kodgule R. Is exposure to biomass smoke really associated with COPD? *Int J Chron Obstruct Pulmon Dis*. 2017; 12: 651-653. doi: 10.2147/COPD.S127466.
- Apte K, **Salvi S**. Household air pollution and its effects on health. *F1000Res*. 2016; 5. pii: F1000 Faculty Rev-2593. eCollection 2016. Review.
- Singh S, Sharma BB, **Salvi S**, Chhatwal J, Jain KC, Kumar L, Joshi MK, Pandramajal SB, Awasthi S, Bhave S, Rego S, Sukumaran TU, Khatav VA, Singh V, Sharma SK, Sabir M. Allergic rhinitis, rhinoconjunctivitis, and eczema: prevalence and associated factors in children. *Clin Respir J*. 2016 doi: 10.1111/crj.12561. [Epub ahead of print].
- **Salvi SS**, Apte KK, Dhar R, Shetty P, Faruqi RA, Thompson PJ, Guleria R. Asthma Insights and Management in India: Lessons Learnt from the Asia Pacific - Asthma Insights and Management (AP-AIM) Study. *J Assoc Physicians India*. 2015; 63(9): 36-43.
- **Salvi S**. The Perils of Waterpipe or Hookah Smoking: Time for Action. *Am J Respir Crit Care Med*. 2016;194(5): 532-4. doi: 10.1164/rccm.201605-0940ED.
- Joshi KS, Nesari TM, Dedge AP, Dhupal VR, Shengule SA, Gadgil MS, **Salvi S**, Valiathan MV. Dosh phenotype specific Ayurveda intervention ameliorates asthma symptoms through cytokine modulations: Results of whole system clinical trial. *J Ethnopharmacol*. 2017; 197: 110-117. doi: 10.1016/j.jep.2016.07.071.

- Kadam RA, Borde SU, Madas SA, **Salvi SS**, Limaye SS. Challenges in recruitment and retention of clinical trial subjects. *Perspect Clin Res*. 2016; 7(3): 137-43. doi: 10.4103/2229-3485.184820.
- Vanjare N, Chhowala S, Madas S, Kodgule R, Gogtay J, **Salvi S**. Use of spirometry among chest physicians and primary care physicians in India. *NPJ Prim Care Respir Med*. 2016; 26: 16036. doi: 10.1038/npjpcrm.2016.36.
- **Salvi SS**, Vaidya AJ, Kodgule RR, Gogtay JA. A randomized, double-blind study comparing the efficacy and safety of a combination of formoterol and ciclesonide with ciclesonide alone in asthma subjects with moderate-to-severe airflow limitation. *Lung India*. 2016 May-Jun;33(3):272-7. doi: 10.4103/0970-2113.180803.
- Kadam R, Borde S, Madas S, Nagarkar A, **Salvi S**, Limaye S. Opinions and perceptions regarding the impact of new regulatory guidelines: A survey in Indian Clinical Trial Investigators. *Perspect Clin Res*. 2016; 7(2): 81-7. doi: 10.4103/2229-3485.179437.
- Gupte A, Padmapriyadarsini C, Mave V ... **Salvi S**, et al CTRIUMPH Study Team. Cohort for Tuberculosis Research by the Indo-US Medical Partnership (CTRIUMPH): protocol for a multicentric prospective observational study. *BMJ Open* 2016; 6(2): e010542.
- Vijayan VK, Paramesh H, **Salvi SS**, Dalal AA. Enhancing indoor air quality -The air filter advantage. *Lung India*. 2015; 32(5): 473-9. doi: 10.4103/0970-2113.164174.
- **Salvi S**, Apte K, et al. What ails India? A 1-day point prevalence study of symptoms and medical conditions in 204,912 patients visiting primary healthcare practitioners across 880 cities and town in India. Results of the POSEIDON study. *Lancet Glob Health*. 2015; 3(12): e776-84. doi: 10.1016/S2214-109X(15)00152-7.
- Ostrem A, Williams S, Pinnock H; International Primary Care Respiratory Group (**Salvi SS**). We must join forces in the battle against COPD. *Eur Respir J*. 2015; 46(5): 1526-8. doi: 10.1183/13993003.00660-2015.
- Singh S, Sharma BB, Sharma SK, Sabir M, Singh V; ISAAC collaborating investigators (**Salvi SS**). Prevalence and severity of asthma among Indian school children aged between 6 and 14 years: associations with parental smoking and traffic pollution. *J Asthma*. 2016; 53(3): 238-244.
- Brashier B, **Salvi S**. Measuring lung function using sound waves: role of the forced oscillation technique and impulse oscillometry system. *Breathe (Sheff)*. 2015; 11(1): 57-65. doi: 10.1183/20734735.020514.
- Dhar R, **Salvi S**, Rajan S, Dalal S, Tikkiwal S, Bhagat R, Ahmed MM, Balki A, Jain M, Gogtay J. Salmeterol/fluticasone through breath-actuated inhaler versus pMDI: a randomized, double-blind, 12 weeks study. *J Asthma*. 2015; 52(10): 1065-72. doi: 10.3109/02770903.2015.1050499.
- Salvi D, Limaye S, Muralidharan V, Londhe J, Madas S, Juvekar S, Biswal S, **Salvi S**. Indoor particulate matter less than 2.5 microns in mean aerodynamic diameter and carbon monoxide levels during the burning of mosquito coils and their association with respiratory health. *CHEST* 2016; 149(2): 459-466.
- **Salvi S**. The silent epidemic of COPD in Africa. *Lancet Global Health* 2015; 3(1): e6-7.
- Rasam S, Apte KK, **Salvi S**. Infection Control in the Pulmonary Function test laboratory. *Lung India*. 2015; 32(4): 359-366.

- Nathan RA, Thompson PJ, Price D, Fabbri LM, **Salvi S**, Gonzales Diaz S, Maspero JF, Moreno Cantu JJ, Fish JE, Murphy K. Taking AIM at Asthma around the world; Global results of the Asthma Insights and Management Survey in Asia Pacific region, Latin America, Europe, Canada and United States. *J Allergy Clin Immunol Pract* 2015; 3(5): 734-742.
- Apte K, **Salvi S**. Vitamin D reduces eosinophilic airway inflammation in non-atopic asthma. Are we sure? *J Allergy Clin Immunol* 2015; 136(2): 516-517.
- Muralidharan V, Sussan TE, Limaye S, Koehler K, Williams D, Rule AM, Juvekar S, Breyesse PN, **Salvi S**, Biswal D. Field testing of alternative cookstove performance in a rural setting of western India. *Int J Environ Res Public Health* 2015; 12(2): 1773-17787.
- Gnatiuc L, Buist AS, Kato B... **Salvi S**, Burney PG. Gaps in using bronchodilators, inhaled corticosteroids and influenza vaccine among 23 high- and low-income sites. *Int J Tuberculosis Lung Dis.* 2015; 19(1): 21-30.
- Sahasrabudhe T, **Salvi S**. Should treatment of multidrug resistant tuberculosis be individualized? *J Assoc Physicians India.* 2014; 62(7): 564-565.
- **Salvi S**, Apte K et al. Asthma Insights and Management in India. *J Assoc Physicians India.* 2015; In Press.
- Limaye S, **Salvi S**. Obesity and Asthma: The Role of Air Pollutants. *Immunology and Allergy Clinics of North America* 2014; 34(4): 839-855.
- **Salvi S**. Tobacco Smoking and Environmental Risk Factors for Chronic Obstructive Pulmonary Disease. *Clinics in Chest Med.* 2014; 35(1): 17-27.
- **Salvi S**, Brashier B. Fish smoking and COPD: A fishy affair. *Lung India.* 2014; 31(2):105-106.
- Gupta D, Agarwal R, Aggarwal AN, **Salvi S et al.** Guidelines for Diagnosis and Management of COPD: Joint recommendations of Indian Chest Society and National College of Chest Physicians. *Indian J Chest Dis Allied Sci* 2014; 56: 5-54
- Kodgule RR, Singh V, Dhar R, Saicharan BG, Madas SJ, Gogtay JA, **Salvi SS**, Koul PA. Reference values for peak expiratory flow in Indian adult population using a European Union scale peak flow meter. *J Postgrad Med.* 2014 Apr-Jun;60(2):123-129.
- Mitchell EA, Clayton T, García-Marcos L, Pearce N, Foliaki S, Wong G; **Salvi S** and ISAAC Phase Three Study Group. Birthweight and the risk of atopic diseases: the ISAAC Phase III study. *Pediatr Allergy Immunol.* 2014; 25(3): 264-70.
- Shah S, Nahar P, Vaidya S, **Salvi S**. Upper limb muscle strength & endurance in chronic obstructive pulmonary disease. *Indian J Med Res.* 2013; 138(4): 492-496.
- Gold LS, Thompson P, **Salvi S**, Faruqi RA, Sullivan SD. Level of asthma control and health care utilization in Asia-Pacific countries. *Respir Med.* 2014; 108(2): 271-277.
- Burney P, Jithoo A, Kato B, Janson C, Mannino D, Nizankowska-Mogilnicka E, Studnicka M, Tan W, Bateman E, Koçabas A, Vollmer WM, Gislason T, Marks G, Koul PA, Harrabi I, Gnatiuc L, Buist S; **Salvi S** et al.. Burden of Obstructive Lung Disease (BOLD) Study. Chronic obstructive pulmonary disease mortality and prevalence: the associations with smoking and poverty--a BOLD analysis. *Thorax.* 2014; 69(5): 465-473.

- **Salvi S**, Gogtay J, Aggarwal B. Use of breath-actuated inhalers in patients with asthma and COPD - an advance in inhalational therapy: a systematic review. *Expert Rev Respir Med*. 2014; 8(1): 89-99.
- Mitchell EA, Clayton T, Garcia Marcos L, Pearce N, **Salvi S**, et al.. ISAAC Phase 3 study group. Birth weight and the risk of atopic diseases. The ISAAC Phase 3 study. *Pediatr Allergy Immunol* 2014; 25(3): 264-270.
- Sinojia R, Shaikh M, Kodgule R, Bhosale S, Madas S, Vaidya A, **Salvi S**, Brashier B. Priming of beta-2 agonist and antimuscarinic induced physiological responses induced by 1200mg/day NAC in moderate to severe COPD patients: A pilot study. *Respir Physiol Neurobiol*. 2014; 191: 52-59.
- Sussan TE, Ingole V, Kim JH, McCormick S, Negherbon J, Fallica J, Akulian J, Yarmus L, Feller-Kopman D, Wills-Karp M, Horton MR, Breyse PN, Agrawal A, Juvekar S, **Salvi S**, Biswal S. Source of biomass cooking fuel determines pulmonary response to household air pollution. *Am J Respir Cell Mol Biol*. 2014; 50(3): 538-548.
- **Salvi S**, Brashier B, Gothi D, Karkhanis V, Madas S, Gogtay J, Joshi J. Bronchodilator efficacy of tiotropium-formoterol via single pressurized meter dose inhaler (pMDI) versus tiotropium alone in COPD. *Pulm Pharmacol Ther*. 2014; 27(1): 90-95.
- Brashier B, **Salvi S**. Obesity and asthma: physiological perspective. *J Allergy (Cairo)*. 2013; 2013: 198068.
- Shah SH, Sonawane P, Nahar P, Vaidya S, **Salvi S**. Pulmonary function tests in type 2 diabetes mellitus and their association with glycemic control and duration of the disease. *Lung India*. 2013;30(2): 108-112.
- Thompson PJ, **Salvi S**, Lin J, Cho YJ, Eng P, Abdul Manap R, Boonsawat W, Hsu JY, Faruqi RA, Moreno-Cantu JJ, Fish JE, Ho JC. Insights, attitudes and perceptions about asthma and its treatment: findings from a multinational survey of patients from 8 Asia-Pacific countries and Hong Kong. *Respirology* 2013; 18(6): 957-967.
- Khafaie MA, **Salvi SS**, Ojha A, Khafaie B, Gore SS, Yajnik CS. Systemic inflammation (C-reactive protein) in type 2 diabetic patients is associated with ambient air pollution in Pune City, India. *Diabetes Care* 2013; 36(3): 625-630.
- Kodgule R, Vaidya A, **Salvi S**. Newer therapies for chronic obstructive pulmonary disease. *J Assoc Physicians India*. 2012; 60 Suppl: 8-13.
- **Salvi S**, Agrawal A. India needs a national COPD prevention and control programme. *J Assoc Physicians India*. 2012; 60 Suppl: 5-7.
- Brunekreef B, Von Mutius E, Wong G, Odhiambo J, Garcia-Marcos L, Foliaki S; **ISAAC Phase Three Study Group**. Exposure to cats and dogs, and symptoms of asthma, rhinoconjunctivitis, and eczema. *Epidemiology*. 2012; 23(5): 742-750.
- Mallol J, Crane J, von Mutius E, Odhiambo J, Keil U, Stewart A; **ISAAC Phase Three Study Group**. The International Study of Asthma and Allergies in Childhood (ISAAC) Phase Three: a global synthesis. *Allergol Immunopathol (Madr)*. 2013; 41(2): 73-85.
- Mitchell EA, Beasley R, Keil U, Montefort S, Odhiambo J; **ISAAC Phase Three Study Group**. The association between tobacco and the risk of asthma, rhinoconjunctivitis and eczema in children and adolescents: analyses from Phase Three of the ISAAC programme. *Thorax*. 2012; 67(11): 941-949.

- Kodgule R, Vanjare N, Brashier B, **Salvi S**. Is air trapping really a determinant of persistent airway obstruction in asthmatics? *Respir Med*. 2013; 107(1): 156-157.
- **Salvi SS**, Manap R, Beasley R. Understanding the true burden of COPD: The epidemiological challenges. *Primary Care Resp J* 2012; 21(3): 249-251.
- **Salvi SS**, Agrawal A. India needs a national COPD control program. *Journal of Association of Physicians of India Feb 2012;60(Suppl): 5-8*.
- Vanjare N, Kodgule R, Brashier B, **Salvi SS**. Is re-breathe diffusing capacity method better than single breath in emphysema patients? *Respir Physiol Neurobiol* 2012; Aug 16, Ahead of print.
- Barne M, Brashier B, Kodgule R, Apte K, **Salvi SS**. Is it really time to re-consider use of inhaled corticosteroids for control of asthma in pregnancy? *Am J Respir Crit Care Med* 2012; 185(12): 1327.
- Brunekreef B, Von Mutius E, Wong GK, Odhiambo JA, Clayton TO, **Salvi S** et al; ISAAC Phase Three Study Group. Early life exposure to farm animals and symptoms of asthma, rhinoconjunctivitis and eczema: an ISAAC Phase Three Study. *Int J Epidemiol*. 2012 Jun;41(3):753-61
- Cheraghi M, Dadgarinejad A, **Salvi SS**. A cross sectional study to find prevalence and risk factors for childhood asthma in Pune city, India. *ISRN (International Scholarly Research Network) Public Health* 2012; Article ID361456, 8pages doi:10.5402/2012/361456.
- Kodgule R, **Salvi SS**. Exposure to biomass smoke as a cause for airways disease in women and children. *Current Opinion Allergy Clin Immunol* 2012; 12(1): 82-90.
- Brashier BB, Iyer N, **Salvi SS**. *Bronchoconstriction and airway remodeling*. *New Engl J Med* 2012; 365(12): 1156.
- Björkstén B, Aït-Khaled N, Innes Asher M, Clayton TO, Robertson C; ..**Salvi S**, ISAAC Phase Three Study Group. Global analysis of breast feeding and risk of symptoms of asthma, rhinoconjunctivitis and eczema in 6-7 year old children: ISAAC Phase Three. *Allergol Immunopathol (Madr)*. 2011 Nov-Dec; 39(6): 318-25.
- Beasley RW, Clayton TO, Crane J,... **Salvi SS** et al. Acetaminophen use and risk of Asthma, Rhino-conjunctivitis and Eczema in Adolescents: ISAAC Phase III. *Am J Respir Crit Care Med* 2011; 183(2): 171-178.
- Limaye S, **Salvi SS**. Air Pollution and its Impact on Health. What the clinicians should know? Invited Review. *BREATHE* 2010 March; 6(3): 235-244.
- **Salvi SS**, Barnes PJ. Is biomass smoke exposure the biggest risk factor for COPD globally? Invited Editorial. *Chest* 2010; 138: .3-6
- Reddel H, Upham JW, **Salvi S**, Yang IA. Year-in-Review: Asthma, COPD and Airway Biology. *Respirology* 2010; 15: 365-376.
- **Salvi SS**, Barnes PJ. Chronic Obstructive Pulmonary Disease in non-smokers. Invited Review. *Lancet* 2009; 374(9691): 733-743.
- Calverley PM, Rabe KF, Goehring UM, **Salvi SS** et al. Roflumilast in symptomatic chronic obstructive pulmonary disease: Two randomized clinical trials. *Lancet* 2009; 374(9691): 685-694.

- Odhiambo JA, Williams HC, Clayton TO et al, **Salvi SS**, et al. Global variations in the prevalence of eczema symptoms in children from ISAAC Phase three. *J Allergy Clin Immunol* 2009; 124(6): 1251-1258.
- Foliaki S, Pearce N, Bjorksen B et al, **Salvi SS**, et al. Antibiotic use in infancy and symptoms of asthma, rhinoconjunctivitis, and eczema in children 6 and 7 years old: International Study of Asthma and Allergies in Childhood. *J Allergy Clin Immunol* 2009; 124(5): 982-989.
- Singh S, Taneja B, **Salvi SS**, Agrawal A. Physical properties of intact proteins may predict allergenicity or lack thereof. *PLoS One* 2009; 4(7): e6273.
- Cheraghi M, **Salvi SS**. Environmental Tobacco Smoke and respiratory health in children. *Eur J Pediatr* 2009;168(8): 897-905.
- Beasley R, Clayton T, Crane J et al, **Salvi SS** et al. ISAAC Collaborator Group. Association between paracetamol use in infancy and childhood, and risk of asthma, rhinoconjunctivitis, and eczema in children aged 6-7 years: analysis from Phase Three of the ISAAC programme. *Lancet* 2008; 372 (9643): 1039-1048.
- **Salvi SS**. Health effects of ambient air pollution in children. *Pediatr Respir Rev* 2007; 8(4):275-280.
- Brashier B, Dhembare P, Jantikar A, Mahadik P, Gogtay JA, **Salvi SS**. Tiotropium administered by a pressurized metered dose inhaler (pMDI) and spacer produces a similar bronchodilator response as that administered by a Rotahaler in adult subjects with stable moderate-to-severe COPD. *Respir Med*. 2007; 101(12):2464-2471.
- Jantikar A, Brashier B, Maganji M, Raghupathy A, Mahadik P, Gogtay J, **Salvi SS**. Comparison of bronchodilator responses of levosalbutamol and salbutamol given via a pressurized metered dose inhaler: a randomized, double blind, single-dose, crossover study. *Respir Med*. 2007; 101(4): 845-849.
- Faber JE, Szymeczek CL, **Salvi SS**, Zhang H. Enhanced alpha-1 adrenergic tropic activity in pulmonary artery of hypoxic pulmonary hypertensive rats. *Am J Physiol Heart Circ Physiol*. 2006; 291(5): H2272-2281.
- Raghupathy A, Brashier B, **Salvi S**. Treatment of mild asthma. Letter Correspondence. *N Engl J Med* 2005; 353(4): 424-427.
- Raghupathy A, Brashier B, **Salvi S**. Regular versus intermittent inhaled steroids in asthma. Letter Correspondence. *New Engl J Med* 2005; 353(4): 424-427.
- Jantikar A, Brashier B, Sewlikar S, Maganji M, **Salvi S**. At least three FEV1 blows are required at each time point during the assessment of bronchial hyperresponsiveness. *Chest* 2005; 128(1): 469-470.
- Stenfors N, Nordenhall C, **Salvi S**, Mudway I, Soderberg M, Blomberg A, Helleday R, Levin JO, Holgate ST, Kelly FJ, Frew AJ, Sandstrom T. Different airway inflammatory responses in asthmatic and healthy humans exposed to diesel. *Eur Respir J* 2004; 23(1): 82-86.
- Holgate ST, Sandstrom T, Frew AJ, Stenfors N, Nordenhall C, **Salvi S**, Blomberg A, Helleday R, Soderberg M. Health effects of acute exposure to air pollution. Part I: Healthy and asthmatic subjects exposed to diesel exhaust. *Res Rep Health Eff Inst*. 2003 Dec; (112): 1-30

- **Salvi SS.** Ambient particulate matter pollution and childhood asthma exacerbations. Guest Editorial. *Annals of Allergy Asthma Immunology* 2003;91(4):321-323.
- Modi M, Joshi DR, Gaikwad SN, **Salvi SS**, Varudkar HG, Lokhande R, Valvi R. Newer Diagnostic modalities of Tuberculosis? *Medical J Western India* 2003; 31: 110-115.
- **Salvi SS.** Diesel exhaust and asthma. Is there a link? *The Asthma Journal* 2002; 7(1): 15-21.
- Polosa R, **Salvi S**, Di Maria GU. Allergic susceptibility associated with diesel exhaust particle exposure: Clear as mud. *Arch Environ Health* 2002; 57(3):188-193.
- Holgate ST, **Salvi S.** Cell-mediated immunity in asthma? *Am J Respir Crit Care Med* 2002; 166(12): 1607.
- Krishna MT, Hatzivlassiou P, **Salvi S**, Holgate ST. Current and future asthma therapies. *Practitioner* 2002; 246(1641): 820-825.
- Pereira BN, **Salvi S.** Bosentan for pulmonary hypertension. Letter Correspondence. *New Engl J Med*, 2002; 347(4): 292-294.
- Krishna MT, **Salvi SS.** BCG vaccination and development of asthma. *Pediatrics* 2002; 109(2): 346-7.
- Krishna MT, **Salvi SS.** What is the association between air pollution and allergic disorders? *Journal of Association Physicians India* 2002 Apr; 50: 583-587.
- Krishna MT, **Salvi SS.** Could administration of BCG vaccination at birth protect from the development of asthma and allergic disease in the western world? Has the question been adequately investigated? *Pediatr Allergy Immunol* 2002; 13(3): 172-176.
- Holagte ST, **Salvi SS.** Editorial on: Effects of inhibition of mast cell tryptase by inhaled APC366 (selective tryptase inhibitor) on allergen-induced early and late-phase asthmatic responses, airway hyperresponsiveness in mild atopic asthmatics. *Current Allergy & Asthma Reports* 2002; 2(2): 105-106.
- **Salvi S**, Holgate ST. Anti-IgE antibody for the treatment of allergic asthma. *Current Allergy Asthma Rep* 2001 Mar; 1(2): 99-101.
- Frew AJ, **Salvi S**, Holgate ST, Kelly F, Stenfors N, Nordenhall C, Blomberg A, Sandstrom T. Low concentrations of diesel exhaust induce a neutrophilic response and upregulate IL-8 mRNA in healthy subjects but not in asthmatic volunteers. *Int Arch Allergy Immunol* 2001; 124: 326-325.
- **Salvi S**, Babu KS, Holgate ST. Is asthma really due to a polarised T cell response towards a Th2 phenotype? *Am J Respir Crit Care Med* 2001: 164: 1343-1346.
- **Salvi S.** Protecting the myocardium from ischemic injury: A critical role for α_1 -adrenoceptors? *Chest* 2001; 119: 1242-1249.
- **Salvi SS**, Holgate ST. Is there a link between hygiene and allergic diseases? *Microbiol Today* 2001; 28: 175-177.
- Krishna MT, **Salvi S.** Vaccination with BCG early in life to prevent asthma and atopy. *BMJ* Feb 2001; <http://bmj.bmjournals.com/cgi/eletters/322/7283/390#12829>

- **Salvi S.** Should α_1 -antagonists be avoided as first-line antihypertensive drug therapy? *Cardiovasc Drugs and Therapy* 2001; 15(2): 183-184.
- **Salvi S**, Krishna MT, Holgate ST. The anti-inflammatory effects of leukotriene modifying drugs and their use in asthma. *Chest* 2001; 119(5): 1533-1546.
- Papadopoulos NG, Papi A, Meyer LA, Stanciu LA, **Salvi S**, Holgate ST, Johnston SL. Rhinovirus infection up-regulates eotaxin and eotaxin-2 expression in bronchial epithelial cells. *Clin Exp Allergy* 2001; 31(7): 1060-1066.
- **Salvi S**, Holgate ST. Editorial: Long-term effects of inhaled corticosteroids in asthmatic children. *Current Allergy & Asthma Reports*. 20001; 1(2): 99-100.
- **Salvi S**, Holgate ST. Editorial: Anti-IgE antibody for the treatment of allergic asthma. *Current Allergy & Asthma Reports*. 20001; 1(2): 100-101.
- **Salvi S**. Pollution and allergic airways disease. Invited Review. *Current Opinion Allergy Clin Immunol* 2001; 1: 35-41.
- Babu KS, **Salvi S**. Aspirin and asthma. Review. *Chest* 2000; 118(5): 1470-1476.
- **Salvi S**, Babu KS, Holgate ST. Glucocorticoids increase IgE production. Are we heading towards new paradigms? Editorial. *Clin Exptal Allergy* 2000; 30(11): 1499-1505.
- **Salvi S**. Liver disease and pulmonary hypertension. Letter to the Editor. *Gut* 2000; 47(4): 595.
- **Salvi S**, Nordenhall C, Blomberg A, Rudell B, Pourazar J, Kelly FJ, Wilson S, Sandström T, Holgate ST, Frew AJ. Acute exposure to diesel exhaust increases IL-8 and GRO- α production in healthy human airways. *Am J Respir Crit Care Med*. 2000; 161(2): 550-557.
- **Salvi S**, Babu KS. Treatment of allergic asthma with monoclonal anti-IgE antibody. Letter correspondence. *New Engl J Med* 2000; 342(17): 1292-1293.
- **Salvi S**. α_1 -adrenoreceptors and pulmonary hypertension. Letter Correspondence. *Chest* 2000; 117: 1523-1524.
- **Salvi S**, Semper A, Holloway J, Blomberg A, Sandström T, Kelly FJ, Jaffar Z, Papi, A, Teran L, Polosa R, Holgate ST, Frew AJ. Interleukin - 5 production by human airway epithelial cells. *Am J Respir Cell Mol Biology* 1999; 20(5): 984-991.
- **Salvi S**, Blomberg A, Rudell B, Kelly FJ, Sandström T, Holgate ST, Frew AJ. Acute Inflammatory responses in the airways and peripheral blood after short term exposure to diesel exhaust in healthy human subjects. *Am J Respir Crit Care Med* 1999; 159(3): 702-709.
- **Salvi S**. α_1 -adrenergic hypothesis for pulmonary hypertension. *Chest* 1999; 115(6): 1708-1719.
- **Salvi S**, Holgate ST. Could the airway epithelium play an important role in mucosal IgA production? *Clin Exp Allergy*. 1999; 29(12): 1597-1605.
- **Salvi S**, Holgate ST. Mechanisms of particulate matter toxicity. Review. *Clin Exp Allergy* 1999; 29: 1187-1194.
- **Salvi S**, Frew AJ, Holgate ST. Is diesel exhaust a cause for increasing allergies? Editorial. *Clin Exp Allergy* 1999; 29: 4-8.

- Polosa R, **Salvi S**. Air Pollution from motor vehicles: A putative pro-allergic hazard? *Canadian Respir Journal* 1999; 6(5): 436-441.
- **Salvi S**. Effect of inhaled formoterol and budesonide on exacerbations of asthma. Letter correspondence. *New Engl J Med* 1998; 15: 1072.
- **Salvi S**, Frew AJ. Inflammatory effects of diesel exhaust on human airways. *Revue Francaise D'Allergologie et D'Immunologie Clinique* 1998; 38(7S): S71-S75.
- Frew AJ, **Salvi S**. Diesel exhaust particles and respiratory allergy. Editorial. *Clinical Exp Allergy* 1997; 27: 237-239.
- **Salvi S**, Krishna MT, Holgate ST. Health effects of air pollution; interactions with aeroallergens. *International Aerobiology* 1997; 47: 1-2.
- **Salvi S**, Holgate ST. Immunopathogenesis of asthma. Review. *Lung India* 1996; 14(2): 72-83.
- Chauhan AJ, **Salvi S**, Holgate ST. Air Pollution: Past, Present and Future. *The Safety and Health Practitioner*. May 1995; 16-20.
- **Salvi S**, Joshi DR, Tayade BO. Hut Lung - A domestically acquired pneumoconioses. Case Report. *JAPI* 1994; 42(9): 746-747.
- Tayade BO, **Salvi S**, Agarwal IR. Study of Superior Vena Cava Syndrome - Aetiopathology, diagnosis and management. *JAPI* 1994; 42(8): 609-611.

MANUSCRIPTS IN PREPARATION:

- Salvi S, Sheth PD, Sekerel B, Holloway J, Holgate ST. Catecholamine synthesis by human airway epithelial cells. *Lancet Respiratory Medicine*.
- Salvi SS. Regulation of cardiac metabolism by adrenergic receptors. Implications for the management of ischemic heart disease. *Chest*.
- Salvi S. Are we giving too much importance to insulin in diabetes? *Lancet Endocrinology*
- Salvi S. Changing concepts in asthma pathogenesis. A look into the past, present and future. *Am J Respir Crit Care Med*.
- Salvi S. Use of Spirometry in Clinical Practice in India. Editorial. *Chest*.
- Ramnani A, Brashier B, Gaikwad SN, Joshi DR, Ghorpade SV, Salvi S. Elevated levels of exhaled carbon monoxide in traffic policemen from Pune city. Brief communication. *Lancet*.
- Salvi S. Early life environmental influences and the development of COPD.
- Additional 20 manuscripts currently being written.

BOOK REVIEWS:

- **Salvi S**. Interleukin - 5. From molecule to drug target for asthma. Edited by Sanderson CJ. *Lung Biology in Health and Disease*, Vol 125, 1998. Marcel Dekker, Inc., New York. *Indoor and Built Environment* 1999; 8(1): 71-72.

- Roorke S, **Salvi S**. Five-lipoxygenases products in Asthma. Edited by Jeffrey M Drazen, Sven-Erik Dahlen, & Tak H Lee. Lung Biology in Health and Disease, Vol 120, 1998. Marcel Dekker, Inc., New York. *Indoor and Built Environment* 1999; 8(4): 274.
- Babu KS, **Salvi S**. Asthma's Impact on Society. Book Review. *Indoor and Built Environment* 1999;8(6): 394.

ACADEMIC AWARDS AND DISTINCTIONS:

- H Paramesh Oration Award by the Indian Academy of Pediatricians, Karnataka State Chapter, Early Life Environmental Influences in Childhood Asthma, Bangalore, December, 2011.
- Recipient of 'OA Sharma Endowment Oration Award' by 'Andhra Pradesh TB and Chest Diseases Conference' for "COPD amongst Non-Smokers: The Growing Epidemic", during Andhra Pradesh State TB and Chest Diseases Congress (32nd APTCCON-2010), Hyderabad, India, 2010.
- Recipient of 'Dr C V Ramakrishnan Oration Award' by Indian Chest Society for the talk "India Needs a Respiratory Revolution", during National Pulmonary Congress (NAPCON), Calicut, India, 2009.
- Recipient of 'Harlappa Paramesh Memorial Oration 2009' by Indian Pediatric Association for the talk "The Cost of Urbanization on Human Health' during the Annual Congress, Bangalore, 2009.
- Selected as Group Leader for section on 'Air Pollution and its Impact on Allergies and Asthma for the Asia Pacific Oceania Region, for Global Alliance against Asthma and Allergic Diseases – Pacific Asia Oceania (GA2LEN-PAO), Singapore, September 2006.
- Recipient of 'European Respiratory Society GOLD Sponsorship Travel Award 2005' by European Respiratory Society, Copenhagen, Denmark, Sept. 2005.
- Recipient of 'Shri Krishnaji Govind and Mrs Premalabai Bhate Memorial Asthma and Bronchitis Lectureship Oration Award 2005' from the Association of Physicians of India, Mumbai, India, 2005.
- Recipient of the 'Environmental Pollution and Allergy Oration Award 2005' by the Indian Academy of Allergy, Vishakhapatnam, January 2005.
- Recipient of 'The Young Scientist Award' from 'The British Association for Lung Research', Cardiff, Wales, UK, September 1998.
- Recipient of Overseas Research Students Award from Committee of Vice Chancellors & Principals of Universities of UK, for a PhD program in Clinical Medicine at the University of Southampton, UK, 1994-1997.
- Recipient of Faculty of Medicine, Postgraduate Scholarship, University of Southampton, Southampton, UK, September 1995 - August 1997.
- Recipient of the Raj Nanda Pulmonary Disease Research Fellowship from the Raj Nanda Pulmonary Disease Research Trust, New Delhi, India, on an all India competitive basis for research study in UK, September 1994 - August 1995.

- First Prize at Free Paper Oral Presentation (as main supervisor of study) section at the National Pulmonary Conference (NAPCON), Ahmedabad, India, November 2004.
- First Prize at the National Chest X-ray Quiz Contest at the XIV National Congress in Respiratory Diseases, Madras, India, January 1994.
- Second in MD (Respiratory Medicine), University of Poona, India, May 1993.
- Member of the National Academy of Medical Sciences in Respiratory Medicine, National Board of Examinations, New Delhi, India, November 1992.
- First in Diploma in Tuberculosis & Chest Diseases, Univ. of Poona, India, 1990.
- Recipient of National Merit Scholarship (1981 - 1987) India, based on academic excellence at the Secondary School Certificate Examination.

INVITED SPEAKER AT INTERNATIONAL CONFERENCES

- **Invited Speaker.** American Thoracic Society Annual Congress 2015, Denver, USA.
- **Invited Speaker.** Collaboration for Applied Health and Research Delivery. Lung Health in Developing Countries. Liverpool School of Tropical Medicine, Liverpool, UK.
- **Invited Faculty Speaker** at the European Respiratory Society Annual Congress – ‘**Effect of indoor air pollution from biomass burning and solid fuel combustion in India**’, Munich, Germany, Sept 2014.
- **Invited Faculty Speaker** at the European Respiratory Society Annual Congress – ‘**Deposition of Ultrafine (nano) particles in the human lung and the mechanisms behind the health effects**’, Munich, Germany, Sept 2014.
- **Invited Faculty Speaker** at the European Respiratory Society Annual Congress – ‘**Impact of Indoor Air Quality on Lung Health**’, Munich, Germany, Sept 2014.
- **Invited Faculty Speaker** at the **American Thoracic Society Annual Congress** – ‘**Childhood Infections as precursors of Adult Lung Disease in South Asia**’, San Diego, USA, May 2014.
- **Invited Faculty Speaker** at the **International Primary Care Respiratory Group Conference** – ‘**Population Oriented Primary Asthma Care**’, Athens, Greece, May 2014.
- **Invited Faculty Speaker** at the **International Primary Care Respiratory Group Conference** – ‘**Asthma care in the BRIC countries: India**’, Athens, Greece, May 2014.
- **Invited Faculty Speaker** at the **European Respiratory Society Annual Congress** – ‘**Biomass Smoke and COPD in Asia**’, Munich, Germany, Sept. 2014.
- **Invited Faculty Speaker** at the **European Respiratory Society Annual Congress** – ‘**Nanoparticles: Mechanisms of biological harm**’, Munich, Germany, Sept. 2014.
- **Invited Faculty Speaker** at the **Malaysian Thoracic Society Annual Congress** – ‘**COPD in Never Smokers**’, Melaka, Malaysia, June 2014.
- **Invited Faculty Speaker** at the **Malaysian Thoracic Society Annual Congress** – ‘**Update on Management of COPD**’, Melaka, Malaysia, Sept. 2014.

- **Invited Faculty Speaker** at the **IPEDIA International Congress – ‘Risk Factors for Asthma in India’**, Abu Dhabi, UAE, Feb 2014.
- **Invited Faculty Speaker** at the **INSPIRE International Congress – ‘Asthma Insights and Realities in India: The AP-AIM Study’**, Abu Dhabi, UAE, January 2014.
- **Invited Faculty Speaker** at the **European Respiratory Society Annual Congress – ‘Biomass smoke and COPD’**, Vienna, Austria, Sept. 2013.
- **Invited Faculty Speaker** at the **National Pulmonary Congress (NAPCON) 2014 – ‘COPD in Non-smokers’**, Chennai, India, November 2013.
- **Invited Faculty Speaker** at the **American Thoracic Society Annual Congress – ‘COPD in Never-Smokers’**, Philadelphia, USA, May. 2013.
- **Chairperson and Invited Faculty Speaker** at the **American College of Chest Physicians (ACCP) Annual Congress – ‘COPD in Never Smokers’**, Atlanta, Georgia, USA Oct. 2012.
- **Invited Faculty Speaker** at the **European Respiratory Society Annual Congress – ‘Biomass smoke and COPD’**, Vienna, Austria, Sept. 2012.
- **Invited Faculty Speaker** at the **IMPACT International Congress – ‘Small Airways in Health and Disease’**, Singapore, March 2012.
- **Invited Faculty Speaker** at the **National Pulmonary Congress NAPCON – ‘Asthma Control’**, New Delhi, India, Nov. 2011.
- **Invited Faculty Speaker** at the **Pediatric Respiratory Diseases Workshop – Early Environmental Exposures and Risk of Childhood Asthma**, Colombo, Sri Lanka, Dec. 2011.
- **Invited Faculty Speaker** at the **American College of Chest Physicians Annual Congress – ‘COPD in Non-Smokers’**, Honolulu, USA, Oct. 2011. Could not attend.
- **Invited Faculty Speaker** at the **Non-Communicable Diseases Meet – ‘COPD due to indoor air pollution – The Global Epidemic’**, Harvard University, Boston, USA. March 2011.
- **Invited Faculty Speaker** at the **IMPACT International Conference – ‘Why should clinicians make the Lungs the Heart of their Practice?’** Singapore, March 2011.
- **Invited Faculty Speaker** at the **American Thoracic Society (ATS) Annual Congress Symposium on ‘Non-smoking COPD in India**, Denver, USA, May 2011.
- **Invited Faculty Speaker** at the **National Pulmonary Congress (NAPCON) – ‘Pathophysiology of Asthma and Targeted Therapy’**, Calicut, India, Nov 2009.
- **Invited Faculty Speaker** at the **‘ERS/Lancet Symposium on Evolving Dimensions of COPD’ at the European Respiratory Society Annual Congress – ‘The Emergence of Non-smoking COPD’**, Vienna, Austria, September 2009.
- **Invited Faculty Speaker** at the **European Respiratory Society Annual Congress – ‘Air Pollution and its impact in children’**, Munich, September 2006.

INVITED SPEAKER AT NATIONAL CONFERENCES:

- **COPD: What is new?** National Pulmonary Conference 2015, Jaipur, India.
- **Non-Smoking COPD.** National Pulmonary Conference 2014, Agra, India
- **'COPD in Non Smokers'**, National Pulmonary Conference, Chennai, India, Nov 2013.
- **'Asthma: Global and Indian Prevalence and Risk Factors'**, PULMOCON-12, Kolkota, India Oct. 2012.
- **'Systemic Manifestations of COPD'**, PULMOCON-12, Kolkota, India Oct. 2012.
- **'Early Life Environmental Influences in Childhood Asthma'**, H Paramesh Oration Award by the Indian Academy of Pediatricians, Karnataka State Chapter, Bangalore, December, 2011.
- **'Asthma Control'**, National Pulmonary Congress NAPCON New Delhi, India, Nov. 2011.
- **'Early Environmental Exposures and Risk of Childhood Asthma'**, Colombo, Sri Lanka, Dec. 2011.
- **Treatment of COPD.** GPCON 2010. Pune, November, 2010.
- **Impact of Air Pollution on Human Health.** Air Quality Modeling to Improve the Decision Making Process for Air Quality Management. NEERI, USEPA, Khandala, Pune, November, 2010.
- **Asthma in Asia Pacific: Epidemiology, Management and Unmet Needs.** MERCK Asia Pacific Meeting, Hong Kong, August, 2010.
- **Spirometry for Physicians.** World Allergy Organization and Indian Academy of Allergy, Workshop on Allergy and Asthma. Mysore August 2010.
- **Why and How can Clinicians Participate in Clinical Research?** Indian Society for Clinical Research Workshop on Research Methodology, Pune, May 2010.
- **Asthma and Obesity.** 12th Annual of Academy of Pulmonary and Critical Care Medicine, Cochin, India, May 2010.
- **Bottlenecks for conducting clinical trials in India.** International Drug Discovery and Drug Development Congress, University of Delhi, Delhi, India, January 2010.
- **Asthma and Infections.** Third Iranian Asthma and Allergy Congress, Tehran, Iran, November 2009.
- **COPD in developing countries.** COPD Clinical Consensus Conference, London, UK, March 2009.
- **Asthma Control. Where are we?** IMPACT Respiratory Conference, Singapore, March 2009.
- **Impact of Air Pollution on Human Health.** Indian Medical Association, Pune Chapter, Pune, June 2009.
- **COPD in developing countries?** INDEPTH Annual General Body Meeting, Dar-es-Salaam, Tanzania, January 2009.

- **Recent Advances in Asthma and COPD.** Association of Chest Physicians of West Bengal, Kolkata, February 2009.
- **Asthma Control: Where are we?** Association of Physicians of India National Conference. APICON 2009, Delhi, India. January 2009.
- **Environmental Pollution and Airway diseases.** National Pulmonary Congress (NAPCON) 2008, Lucknow, India. November 2008.
- **Management of COPD. Panel Discussion.** National Pulmonary Congress (NAPCON) 2008, Lucknow, India. November 2008.
- **Workshop Director – Course on Pulmonary Function Tests.** Heart, Lungs and Critical Care Congress, Hyderabad, August 2008.
- **Aerosol Therapy – MDI versus DPI.** Heart, Lungs and Critical Care Congress, Hyderabad, August 2008.
- **COPD: A Systemic Disease?** Respiratory Update, Bikaner, India, July 2008.
- **Spirometry and Beyond.** National Congress of the Sri Lankan Respiratory Society. Colombo, Sri Lanka, January 2008.
- **Asthma Phenotypes – The different faces of Asthma :** 41st Annual Conference of the Indian College of Allergy, Asthma & Applied Immunology (ICAAICON-2007), Delhi, India, Dec 2007.
- **Is COPD a Systemic Disease?** Evidence translated into Practice Meet. Western Maharashtra Chest Physicians Conference, Mahabaleshwar, India, December 2007.
- **Environment and the Lungs.** Evidence translated into Practice Meet. Western Maharashtra Chest Physicians Conference, Mahabaleshwar, India, December 2007.
- **Epidemiology of Asthma & COPD in India:** National Conference on Pulmonary Diseases (NAPCON-2007), Chandigarh, India, October 2007.
- **Recent Advances in Asthma and COPD:** 34th Annual Conference of Research Society of B. J. Medical College, Pune, India, October 2007.
- **Advances in inhalation devices for the treatment of respiratory diseases.** South Asian Chapter of American College of Clinical Pharmacology, Mumbai, India, Oct. 2007.
- **How can clinicians contribute to research?** IMPACT Respiratory Congress, Singapore, Sept. 2007.
- **Recent Advances in COPD.** Continuing Medical Education Programme on Obstructive Airways Diseases, Varanasi, India, September 2007.
- **Indian Medical Association (IMA) CME Program (Inhalation therapy in Obstructive Airways Diseases,** Pune, September 2007.
- **Asthma Phenotypes.** Kerala Respiratory Update, Trivendrum, India, April 2007.
- **Asthma is not a Th2 disease.** Debate on Asthma and Th2 disease. Indian Academy of Allergy, Cochin, India, January 2007.

- **Ambient Air Quality and Respiratory Health of Children.** Symposium on Environmental Impacts on the respiratory health in children. European Respiratory Society Congress, Munich, Germany, September 2006.
- **Recent Advances in Asthma Management.** 8th National Pulmonary Congress (NAPCON), Nagpur, November 2006.
- **Impact of Air Pollution on Respiratory and Cardiovascular Health.** CHEST Summit 2006, New Delhi, India, October 2006.
- **Role of Inhaled Steroids in COPD. Debate.** MAPICON (Maharashtra Association of Physicians of India Annual Conference), Aurangabad, Oct 2006.
- **Measuring Lung Diffusion by the single breath DLCO.** Amrita Institute of Medical Sciences, Cochin, Kerala, April 2006.
- **Why is Asthma Chronic and Persistent? Newer Advances in Asthma Pathogenesis.** National Respiratory and Critical Care Update, Lucknow, March 2006.
- **Air Pollution and Health: Pune study and viewpoints on cross-cutting policy issues.** Conference of Health and Environment, Center for Science and Environment, New Delhi, March 2006.
- **Asthma: Pathogenesis, Diagnosis and Management.** CHANRE Update Association of Physicians of India – Shri Krishnaji Govind and Mrs Premalabai Bhate Memorial Lectureship Award for the Year 2005, API Bhavan, Bangalore, December 2005.
- **Lung Diffusion: Clearing the Confusion. Postgraduate Workshop.** National Pulmonary Congress, NAPCON 2005. Annual Conference of Indian Chest Society and National College of Chest Physicians, November 2005.
- **Advances in Aerosol Therapy.** National Pulmonary Congress, NAPCON 2005. Annual Conference of Indian Chest Society and National College of Chest Physicians, November 2005.
- **Automobile exhaust and Respiratory Disorders in children.** RESPICON 2005. 17th Annual Conference of Indian Academy of Pediatrics – Respiratory Chapter, Bangalore, India, September 2005.
- **Systemic effects in COPD.** National Update on Allergy, Asthma and COPD, Varanasi, India, September 2005.
- **Panel Discussion in COPD.** National Update on Allergy, Asthma and COPD, Varanasi, India, September 2005.
- **Inhalation Therapy for Asthma.** Indian Medical Association, Pune, India, May 2005.
- **Role of genetic factors in determining susceptibility to adverse effects of air pollution.** Molecular Medicine and Health. 2nd ADNAT Congress, Center for Cellular and Molecular Biology, Hyderabad, India, February 2005.
- **Inhaled steroids in COPD: Debate.** American College of Physicians, Annual Meeting, Kolkata, February 2005.
- **United Airways Disease.** American College of Physicians, Annual Meeting, Kolkata, February 2005.

- **Spirometry Workshop.** American College of Physicians, East India Chapter. Annual Meeting, Kolkata, India. February 2005.
- **Chiral Drugs: Promising drugs for the future.** American College of Physicians, Annual Meeting, Kolkata, February 2005.
- **Environmental pollution and Allergy: Oration of the Indian Academy of Allergy.** Annual Meeting of the Indian Academy of Allergy, Vishakhapatnam, India. February 2005.
- **Inhaler therapy – Basic Principle and Devices.** 2nd National Asthma Update Meeting, Bikaner, Rajasthan, India. Jan 2005.
- **Panel Discussion on Asthma Management.** 2nd National Asthma Update Meeting, Satellite Meeting, Jaisalmer, Rajasthan, India. Jan 2005.
- **Is Asthma a Th2 disease? Con. Debate.** 10th Trans Pacific Asia Immunology Society Annual Congress, Mumbai, India, November 2004.
- **BCG vaccination and the prevention of asthma and allergies.** 10th Trans Pacific Asia Immunology Society Annual Congress, Mumbai, India, November 2004.
- **Inhaler devices for Asthma.** National Conference on Pulmonary Diseases, NAPCON 2004, Ahmedabad, India November 2004.
- **Spirometry: Assessment and Interpretation.** Guest Lecture: Annual Conference of the Association of Physicians of India, Maharashtra Chapter, MAPICON, Pune, October 2004.
- **United Airways Disease: The concept of one airway disease.** ENT Association of Ahmednagar, Ahmednagar, July 2004.
- **Understanding Bronchial Asthma.** School of Health Sciences, University of Pune. Pune, India March 2004.
- **Genetics of Pulmonary Hypertension.** National Conference on Pulmonary Diseases, NAPCON 2003, Coimbatore, India November 2003.
- **Diesel exhaust and asthma: Is there a link?** National Conference on Pulmonary Diseases, NAPCON 2003, Coimbatore, India November 2003.
- **Regulation of cardiac metabolism by adrenergic receptors: Implications for the management of Ischemic Heart Disease.** Guest Lecture, Department of Physiology, B.J. Medical College, Pune, India September 2003.
- **Role of inhaled steroids in management of COPD.** Debate – For the notion: Yes. National Cardio-Pulmonary Update. Army Hospital Research and Referral Hospital, Delhi, September 2003.
- **Tiotropium: A promising new drug in the management of COPD.** Satara Doctors Association, Satara, India, August, 2003.
- **Air Pollution and Allergy.** Plenary talk. 4th Malaysian Congress of Allergy and Clinical Immunology, Kuala Lumpur, Malaysia, March 2003.
- **Effects of vehicular air pollution on respiratory health.** 4th Malaysian Congress of Allergy and Clinical Immunology, Kuala Lumpur, Malaysia, March 2003.

- **Does BCG vaccination prevent the development of allergy?** 4th Malaysian Congress of Allergy and Clinical Immunology, Kuala Lumpur, Malaysia, March 2003.
- **Diagnosis of Allergy.** Workshop - 4th Malaysian Congress of Allergy and Clinical Immunology, Kuala Lumpur, Malaysia, March 2003.
- **Respiratory Effects of Outdoor Air Pollution.** Annual Conference of the Indian Chest Society and National College of Chest Physicians - NAPCON 2002, Jaipur, November 2002.
- **New insights on effects of new generation anti-histamine agents.** 5th Asia Pacific Congress of Allergology and Clinical Immunology and 7th West Pacific Allergy Symposium, Seoul, Korea, October 2002.
- **Management of Childhood asthma: Options and Rationale for Inhaled Therapy.** Annual Congress of the Central India Chest Academy, Nagpur, India, September 2002.
- **Pollutants and airway epithelial cells.** Main symposium: 20th Congress of the European Academy of Allergy & Clinical Immunology, Berlin, Germany, May 2001.
- **Is IgE crucial for asthma?** 20th Congress of the European Academy of Allergy & Clinical Immunology, Berlin, Germany, May 2001.
- **Air Pollution and Allergic Airways Disease.** Postgraduate certificate course in allergy, asthma and clinical immunology. University of Southampton, Southampton, UK, March 2001, October 2001, February 2002.
- **Health effects of diesel exhaust.** Symposium: Environment and Lung Disease. Annual Meeting of the Indian Chest Society and the National College of Chest Physicians of India, NAPCON 2000, Kanpur, India, November 2000.
- **Immunotherapy in allergic diseases.** Annual Congress of the Indian Chest Society and National College of Chest Physicians, India, NAPCON, Kanpur, Nov 2000.
- **Upper and Lower Airway Responses to Air Pollutants. The epithelium as modulator of allergic responses.** World Allergy Forum. XIXth Congress-European Academy of Allergology & Clinical Immunology, Lisbon, Portugal, July 2000.
- **Health effects of diesel exhaust.** Asthma Allergy and Actualities (AAA) Meeting, Paris, France, March 2000.
- **α_1 -adrenergic hypothesis for Pulmonary Hypertension.** Annual Meeting of the Indian Chest Society and the National College of Chest Physicians of India, NAPCON'99, New Delhi, India, November 1999.
- **α_1 -adrenergic hypothesis for Pulmonary Hypertension.** Department of Medicine, University of Sheffield, Sheffield, UK, September 1999.
- **'Inflammatory effects of diesel exhaust on human airways'.** Interasma Marrakech 1998 International Congress - The Moroccan Society of Allergology and Clinical Immunology, Marrakech, Morocco, October 1998.
- **'Effects of vehicular air pollution on human health'.** BBC South Today, Southampton, UK, 2nd March 1998.

- **'Patient Education in Asthma'** at the XV National Congress on Respiratory Diseases, Indian Chest Society, Jamshedpur, India on behalf of the Global Initiative for Asthma in collaboration with the WHO and US NHLBI, December 1995.

OTHER ORGANISATIONAL EXPERIENCE:

- **Organizing Chairman, International Conference on COPD ICONIC 2014** – 1st International Congress on COPD hosted by Chest Research Foundation and Bloomberg School of Public Health, Johns Hopkins University, February 1- 2, 2014.
- **Secretary, Scientific Committee** – 10th Biennial Congress of the Trans-Pacific Allergy and Immunology Society, Mumbai, November 2004.
- **President** - Western Zone Chapter of the Indian Chest Society. 2002 - 2003.
- **Associate Editor**, Electronic version of Lung India for Indian Chest Society. December 2002 onwards
- **Joint Organizing Secretary** for the XIV National Congress on Respiratory Diseases for the Indian Chest Society, Pune, India. December 1994.
- **Elected - Ball Games Secretary** for the B.J. Medical College, University of Poona, India for the year 1986 - 1987.

CHAIRPERSON AT NATIONAL / INTERNATIONAL CONFERENCES

- **Malaysian Society of Allergy and Immunology Annual Congress.** Kuala Lumpur, Malaysia, March 2010. Invitation Accepted.
- **IMPACT Respiratory Congress.** Singapore, March 2010. Invitation Accepted.
- **Critical Care in Respiratory Disease.** CME – Critical Care in Cardiac Surgery and Cardiorespiratory Diseases. Armed Forces Medical College, Pune, India, August 2007.
- **Controversies in Asthma Management.** Indian Academy of Allergy. Cochin, India, January 2007.
- **Recent Advances in Asthma.** CHEST Summit 2006 – American College of Chest Physicians. New Delhi, India, October 2006.
- **Asthma.** National Update on Allergy, Asthma and COPD. Varanasi, India, September 2005.
- **Newer Advances in Asthma Management.** 10th Trans Pacific Asia Immunology Society Annual Congress, Mumbai, India, November 2004.
- **Who's coming home for dinner tonight?** 4th Malaysian Congress of Allergy and Clinical Immunology, Kuala Lumpur, Malaysia, March 2003.
- **Symposium: Markers for allergy diagnosis.** 4th Malaysian Congress of Allergy and Clinical Immunology, Kuala Lumpur, Malaysia, March 2003.

- ***Chemokines and Cytokines*** –5th Asia Pacific Society of Allergy and Clinical Immunology, Seoul, Korea, October 2002.

PUBLISHED ABSTRACTS:

- Salvi D, Limaye S, , Muralidharan V, Londhe J, Madas S, Rao A, Juvekar S, Biswal S, **Salvi S**. Burning of mosquito coils (MCs) produce high levels of indoor PM2.5 and CO, which are associated with adverse respiratory health effects, and are significantly altered by indoor ventilation patterns. *ERS 2014*
- Londhe J, Brashier B, Das V, Pyasi K, Madas S, Juvekar S, **Salvi S**, Barnes P. Changes in quality of life as assessed by St. Georges Respiratory Questionnaire (SGRQ) and COPD Assessment Test (CAT) and spirometric indices in patients with Smoker-C OPD(S-C OPD) and Non-smoker-C OPD(NS-C OPD) after 1 year of follow up. *ERS 2014*
- Barne M, Gaikwad R, Apte K, Shinde S, Londhe J, Thorat Y, Madas S, Rao A, **Salvi S**. High prevalence of respiratory symptoms and obstructive airways diseases among employees of the 'Sanitation Department' in an Indian city. *ERS 2014*
- Pyasi K, Brashier B, Londhe J, Das V, Bulsara N, Moitra S, Madas S, Barnes P, **Salvi S**. Association between quality of life as assessed by St. George's Respiratory Questionnaire (SGRQ), lung function indices and sputum inflammatory parameters in Indian COPD patients. *ERS 2014*
- Salvi D, **Salvi S**, Pandit S, MrVanjare N, Madas S, Agarwal R. Effect of body positions on spirometric indices in healthy subjects. *ERS 2014*
- Das V, Pyasi K, Londhe J, Bhome A, Sethi T Agrawal A, Salvi S, Kodgule R, Brashier B. Impulse-oscillometry (IOS) differences in asthma and COPD patients, and healthy-subjects. *ERS 2014*
- Shweta R, Salvi D, Thorat Y, **Salvi S**, Kodgule R. Effect of cold stimulation over face on 6 minute walk distance (6MWD), oxygen saturation and dyspnea scores in patients with COPD. *ERS 2014*
- Muralidharan V, **Salvi S**, Londhe J, Sambhudas S, Ingole V, Brashier B, Barnes P, Green M, Juvekar S. Use of Geographical Information System (GIS) in Prevalence Studies. *ERS 2014*
- Thorat Y, Rasam S, **Salvi S**, Kodgule R. Evaluation of COPD 6 device for detecting airflow limitation & predicting clinical diagnose. *ERS 2014*
- Thorat Y, Rasam S, **Salvi S**, Kodgule R. Evaluation of Peak Flow Meter for detecting airflow limitation & predicting clinical diagnose. *ERS 2014*
- Apte K, Barne M, Madas S, Gogtay J, Chhowala S, Mahajan N, **Salvi S**. Number of Tuberculosis (TB) cases reported by Primary Care Physicians (PCPs) in India: Results of a 1-day point prevalence study in 880 urban cities and towns in India. *Eur Respir J 2013*.
- Vanjare N, Rasam S, Bhosale S, Gupta Y, **Salvi S**, Kodgule R. Repeatability and reproducibility of Impulse Oscillometry and Body Plethysmography in healthy, asthmatic and COPD subjects. *Eur Respir J 2013*
- Madas S, Apte K, Barne M, , Bhosale S, Gogtay J, Chhowala S, **Salvi S**. What are the symptoms and diseases for which a child / adolescent visits a primary care physician in India? Result of a 1- day point prevalence study in 65,979 patients from India. *Eur Respir J 2013*

- Rafiei S, Kulkarni M, Naik S, Londhe J, Iyer N, Madas S, Barnes P, **Salvi S**, Brashier B. Phenotypic comparison of glucose and cardiac physiology of Biomass fuel induced and Smoking induced COPD. *Eur Respir J* 2013
- Vanjare N, Chhowala S, Kodgule R, Madas S, Gogtay J, **Salvi S**. Has the use of Spirometry improved in India? Results of nationwide studies conducted among chest and primary care physicians between 2005 and 2013. *Eur Respir J* 2013
- Kodgule R, Vanjare N, Rasam S, Bhosale S, Gupta Y, **Salvi S**. Correlation of spirometry with impulse oscillometry, body plethysmography and DLCO. *Eur Respir J* 2013
- Kodgule R, Vanjare N, Rasam S, Bhosale S, Gupta Y, **Salvi S**. Can Impulse Oscillometry and Body Plethysmography differentiate response to two salbutamol doses? *Eur Respir J* 2013
- Kodgule R, Vanjare N, Madas S, Chhowala S, Gogtay J, **Salvi S**. Spirometry use in primary-care & uncertainty of its predicted values in India. *Eur Respir J* 2013.
- Iyer N, Brashier B, Ms. Madas S, Londhe J, **Salvi S**, Barnes P. Physiological and inflammatory phenotypic comparisons between non-smoking and smoking COPD. *Eur Respir J* 2013
- Londhe J, Brashier B, Iyer N, Madas S, Juvekar S, **Salvi S**, Barnes P. Comparison of quality of life in smoking and non-smoking COPD patients in India using St. George's respiratory questionnaire and COPD assessment test. *Eur Respir J* 2013
- Vanjare N, Kodgule R, Rasam S, Bhosale S, Gupta Y, **Salvi S**. Comparison of pre and post-bronchodilator single-breath and re-breathe DLCO values amongst healthy, asthmatic and COPD subjects. *Eur Respir J* 2013
- **Salvi S**, Thompson PJ, Lin J, Cho YJ, Eng P, Manap RA, Boonsawat W, Hsu JY, Faruqi RA, Moreno-Cantu JJ, Fish JE, Ho JC. *Insights, attitudes, and perceptions about asthma and its treatment: findings from a multinational survey of patients from 8 Asia-Pacific countries and Hong Kong.* *Respirology*. 2013 Jun 3. doi: 10.1111/resp.12137. [[Epub ahead of print](#)].
- Brashier B, **Salvi S** etl. *Bronchodilator Efficacy of Tiotropium-Formoterol via Single Pressurized Meter Dose Inhaler (pmdi) versus Tiotropium alone in COPD.* *Pulmonary Pharmacology & Therapeutics*. 2013
- Madas S, Apte K, Barne M, Harangule S, Chhowala S, Gogtay J, Mahajan N, **Salvi S**. Association between COPD & other Co-morbid conditions: results from a 1 day, point prevalence in 2,04, 912 patient from 880 cities & towns in India. *Eur Respir J* 2012.
- Iyer N, Kodgule R, Shaikh M, Harangule S, Madas S, **Salvi S**. Co-relation between Sputum cytology and lung physiology in asthma and COPD subjects in Indian population. *Eur Respir J* 2012
- Apte K, Barne M, Madas S, Gogtay J, Chhowala S, Mahajan N, **Salvi S**. Obstructive Airways Diseases (OAD's) are the most common diseases for the doctor visit in India: A one day point prevalence study in 2,04, 912 patient from 880 cities & towns in India. *Eur Respir J* 2012
- Brashier B, Londhe J, Madas S, **Salvi S**. *Prevalence of self reported respiratory symptoms, Asthma and Chronic Bronchitis in slum area of rapidly developing Indian City.* Accepted in *Open Journal Of Respiratory Diseases* Volume 2 2012, Pgs 23-81

- Barne M, Brashier B, Kodgule R, Apte K, **Salvi S**. *Is it really time to reconsider use of inhaled corticosteroids for control of asthma in pregnancy?* Am J Respir Crit Care Med. 2012 Jun 15;185(12):1327.
- Kodgule R, Vanjare N, Brashier B, **Salvi S**. *Is air trapping really a determinant of persistent airway obstruction in asthmatics?* Respir Med. 2012 May 26. [Epub ahead of print]
- Barne M, Apte K, Chhowala S, Pachisia B, Brashier B, Madas S, Gogtay J, **Salvi S**. Comparison between presence of respiratory symptoms and Peak Expiratory Flow (PEF) values <80% predicted as screening tools for Obstructive Airways Diseases (OAD). *Eur Respir J* 2011.
- B Brashier, N Iyer, **S Salvi**. *Does Bronchoconstriction really cause airway remodeling?* N Engl J Med. 2011 Sep 22;365(12):1156;
- Limaye S, Londhe, J, Yeravdekar R, Phalgune D, Madas S, **Salvi S**. Changes in the prevalence of respiratory symptoms and peak expiratory flow (PEF) values in cohorts of children aged 5-10 years over a period of 2 years in Pune city, India. *Eur Respir J* 2011.
- Brahier B, Vanjare N, Mrs. Londhe J, Madas S, Juvekar S, **Salvi S**, Barnes P. Comparison of airway cellular and mediator profiles between tobacco smoke-induced COPD and biomass fuel exposure-induced COPD in an Indian Population. *Eur Respir J* 2011.
- Mukkannawar U, Sambhudas S, Juvekar S, Ozha A, **Salvi S**. Indoor PM2.5 levels in homes using different types of cooking fuels in a rural Indian population and its association with COPD. *Eur Respir J* 2011.
- Murlidharan M, **Salvi S**, Londhe J, Sambhudas S, Ingole V, Barnes P, Juvekar S. Spatial distribution of COPD in a rural population in India using geographic information system (GIS). *Eur Respir J* 2011
- Barne M, Apte K, Chhowala S, Pachisia B, Brashier B, Madas S, Gogtay J, Salvi S. Prevalence of respiratory symptoms in 7154 state road transport workers from India. *Eur Respir J* 2011.
- Kodgule R, Kapoor S, Pawar R, Vanjare N, Gaikwad K, **Salvi S**, Brashier B. Paracetamol increases airway resistance in stable asthmatics: a double blind, randomized, placebo controlled study. *Eur Respir J* 2010.
- Kadam R, Brashier Bill, Sheety R, **Salvi S**. Use of indigenously design Online Spirometry System in Multi Centric Clinical Trial in India. *Eur Respir J* 2010.
- Kodgule R, Singh V, Saicharan B, Brashier B, Londhe J, Singh U, Umar Hafiz U, Gaikwad K, **Salvi S**, Koul P. Nationwide study to determine a Predicted Equation for Peak Expiratory Flow (PEF) values in Indians using EU Scale Peak Flow Meter (PFM). *Eur Respir J* 2010.
- Kapoor S, Brashier B, Udupa A, Pawar R, Kodgule R, Limaye S, Madas S, Pandit P, Ghongane B, Salvi S. Therapeutic effect of low dose roxithromycin in chronic stable mild-to-moderate asthma. *Eur Respir J* 2010.
- Limaye S, **Salvi S**. Air Pollution and its Impact on Health. What the clinicians should know? Invited Review. **BREATHE** 2010 March; 6(3): 235-244.
- **Salvi S**, Barnes PJ. Is biomass smoke exposure the biggest risk factor for COPD globally? Invited Editorial. **Chest** 2010; 138: .3-6

- Reddel H, Upham JW, **Salvi S**, Yang IA. Year-in-Review: Asthma, COPD and Airway Biology. *Respirology* 2010; 15: 365-376.
- Barne M, Singh M, Gaikwad K, Chhowala S, Gogtay J, **Salvi S**. To investigate the perceived need for trained spirometry technicians in India. *Eur Respir J* 2010; P509s
- Barne M, Singh M, Gaikwad K, Chhowala S, Gogtay J, **Salvi S** Reasons for underutilization of Spirometry by practicing physicians in India. *Eur Respir J* 2010; P768s
- **Salvi S**, Bhosle K, Brashier B, Limaye S, Mandrekar S, Gaikwad S, Ghorpade SV. Eight weeks of treatment with tiotropium plus fluticasone (t+f) produces an equally effective therapeutic response as salmeterol plus fluticasone (s+f) in subjects with moderate-to-severe asthma. *Eur Respir J* 2009; P24s.
- Brashier B, Londhe L, Madas S, **Salvi S**. Prevalence of non-smoking COPD phenotypes in the slum dwellers. *Eur Respir J* 2009; P163s.
- Limaye S, Zarrabi L, Valsa S, **Salvi S**. Foreign students who smoke show a significant worsening of lung function within six months of their stay in Pune city, India. *Eur Respir J* 2009; P199s.
- Limaye S, Yeravdekar R, Tilak V, Bhide V, Vincent V, **Salvi S**. Derivation of the predicted equation for peak inspiratory flow rate (PIFR) for children aged 4-15yrs in an Indian population. *Eur Respir J* 2009; P203s.
- Limaye S, Yeravdekar R, Tilak V, Bhide D, Madas S, Shaikh A, Raskar S, Vincent V, **Salvi S**. Prevalence of respiratory symptoms and food allergies amongst school children in Pune city, India. *Eur Respir J* 2009; P253s.
- Limaye S, Yeravdekar R, Tilak V, Bhide D, Raskar S, **S. Salvi**. Derivation of the predicted equation for peak expiratory flow rate (PEFR) for children aged 4-15 years using the new European union (EU) scale peak flow meter (PFM) in an Indian population. *Eur Respir J* 2009; P273s.
- Brashier B, Ravindaran L, Kapoor S, Deshpande PK, Ghongane B, Madas S, Mandrekar S, Limaye S, **Salvi S**. Four weeks of treatment with N-acetyl cysteine (NAC) (1200mg/day) reduces lung oxidative stress and improves lung function in moderate-to-severe COPD subjects. *Eur Respir J* 2009; P340s.
- Naik S, **Salvi S**, Brashier B, Phadtare J, Gogtay J, Lulla A, Po J, Purandare S, Sule A. Evaluation of the bronchoprotective effects of salmeterol HFA and salmeterol CFC in adult patients with chronic stable mild to moderate asthma. *Eur Respir J* 2009; P711s.
- Cheraghi M, Madas S, **Salvi S**. Increased prevalence of childhood asthma in Pune city, India. *Eur Respir J* 2009; P728s.
- Cheraghi M, Brashier B, Madas S, **Salvi S**. Risk factors for childhood asthma in Pune city. *Eur Respir J* 2009; P728s.
- Cheraghi M, Brashier B, Madas S, **Salvi S**. Prevalence of and risk factors associated with dry cough at night (DCN) amongst school children in Pune city, India. *Eur Respir J* 2009; P728s.
- B. Brashier, D. Kekan, A. Bamnikar, D. Kolte, M. Dhakar, A. Kessari, S. Valsa, S. Mandrekar, S. Limaye, **S. Salvi**. High prevalence of poorly controlled asthma amongst patients visiting clinics in Pune City, India. *Eur Respir J* 2008; P221.

- S. Saboo, D. Christopher, A. Mesquita, V. Singh, **S. Salvi**, M. Shete, J. Po, S. Chachad, S. Purandare, A. Lulla, A. Sule. Non-inferiority comparison of budesonide HFA (BUD-HFA) pMDI with budesonide CFC (BUD-CFC) pMDI in patients with persistent moderate asthma. *Eur Respir J 2008; P234*.
- B. Brashier, A. Shaikh, J. Mandale, V. Vincent, S. Raskar, S. Valsa, P. Mahadik, J. Gogtay, **S. Salvi**. Bronchodilator response of single dose of tiotropium (Tio) plus formoterol (Formo) versus four doses of ipratropium (Ipra) plus salbutamol (Salb) over 24 hours in subjects with moderate-to-severe stable COPD. *Eur Respir J 2008; P3496*.
- P. Niphadkar, J. Joshi, P. A. Mahesh, V. Singh, **S. Salvi**, Ghosh, A. Athavale, K. A. Satish, P. Mahadik, J. Gogtay. Randomized double blind comparison of ciclesonide-formoterol combination inhaler and ciclesonide alone in persistent asthma. *Eur Respir J 2008; P4278*
- N. Abhyankar, **S. Salvi**. Prevalence of COPD with reversible obstruction in first spirometries, among patients with obstructive airways disease in western Maharashtra, India. *Eur Respir J 2008; P456*.
- B. Brashier, N. Patel, S. Valsa, S. Mandrekar, S. Kulkarni, S. N. Gaikwad, S. V. Ghorpade, **S. Salvi**: Respiratory issues in primary care - Increased prevalence of obstructive airways disease (OAD) in patients with ischemic heart disease (IHD) and hypertension (HT). *Eur Respir J 2007; P831*.
- S. Mandrekar, S. Hake, B. Brashier, S. Valsa, **S. Salvi**: Respiratory issues in primary care - Peak expiratory flow (PEF) values obtained by the new eu scale (en 13826) wrights peak flow meter is comparable to those obtained by a pneumotach and turbine-based spirometer. *Eur Respir J 2007; P839*.
- S. Mandrekar, S. Iyer, S. Kondhalkar, P. Ram, K. Satbhai, R. Ravindran, B. Brashier, S. Valsa, A. Ojha, **S. Salvi**: Aetiology, mechanisms and treatment in lower respiratory tract infections - Prevalence of respiratory tract infections (RTIS) and its association with ambient particulate matter pollution in an urban city in India. *Eur Respir J 2007; P2397*.
- B. Brashier, S. Gangavane, S. Valsa, S. N. Gaikwad, S. V. Ghorpade, S. Mandrekar, **S. Salvi**: Epidemiological and clinical aspects of tuberculosis control Almost half the patients treated for pulmonary tuberculosis (TB) show evidence of obstructive airways disease (OAD). *Eur Respir J 2007; E 2585*.
- **S. Salvi**, M. Singh, B. Brashier, S. Valsa, B. Ghongane, P. Deshpande, D. Nandal Acute and chronic effects of air pollution - Bus drivers supplemented with the anti-oxidant, n-acetyl cysteine (NAC) for 4 weeks show reduced lung oxidative stress and improved lung function. *Eur Respir J 2007; E2782*.
- **S. Salvi**, M. Singh, B. Brashier, S. Valsa, B. Ghongane, P. Deshpande, D. Nandal; What's new in air pollution from experiments to epidemiology - Fireworks during Diwali festival have a significant impact on respiratory health: a study from India. *Eur Respir J 2007; 2942*.
- S. Mandrekar, S. Siddiq, M. Modak, S. Sunil, S. Valsa, B. Brashier, **S. Salvi**; Mechanisms of asthma and allergy in young children - Homes of asthmatic children show greater amounts of airborne fungi as compared to homes of non-asthmatic children. *Eur Respir J 2007; P 3768*.
- B. Brashier, S. Saoji, A. Raghupati, S. Mandrekar, S. Valsa, S. N. Gaikwad, S. V. Ghorpade, **S. Salvi**; Primary care respiratory problems - Correlation between spirometric indices (FEV1, fvc) and lung diffusion values (dlco) in subjects with varying severity of chronic obstructive pulmonary disease (COPD). *Eur Respir J 2007; E 4053*.

- V. Singh, **S. S. Salvi**, B. B. Brashier, A. U. Athavale, V. B. Murali Mohan, P. S. Bhattacharya, P. M. Gokhale, P. A. Mahadik, J. A. Gogtay: Recent update on Asthma treatment – Once daily ciclesonide delivered via pMDI is effective and safe for the treatment of mild-to-moderate persistent asthma. *Eur Respir J 2006; P831*.
- S. D. Hake, B. B. Brashier, S. V. Valsa, J. A. Gogtay, **S. S. Salvi**: Airway regulation, provocation and monitoring II - Once daily ciclesonide delivered via pMDI is effective and safe for the treatment of mild-to-moderate persistent Asthma. *Eur Respir J 2006; P1310*.
- B. B. Brashier, J. D. Londhe, A. M. Jantikar, S. D. Hake, S. N. Valsa, **S. S. Salvi**: Asthma and allergy: prevalence, incidence and risk factors - Chronic respiratory illnesses in 4953 urban slum children from Pune City. *Eur Respir J 2006; P1413*.
- B. Brashier, J. S. Mandale, V. Vincent, A. Raghupati, S. D. Valsa, **S. S. Salvi**: Recent advances in asthma treatment - Bronchodilator responses of a cup of tea in asthmatic subjects. *Eur Respir J 2006: P1805*.
- **S. S. Salvi**, R. Kesarwani, A. Raghupathy, B. B. Brashier, S. Valsa, S. Gaikwad, D. R. Joshi, S. V. Ghorpade : The challenges of managing asthma in primary care - Medical personnel ability to use pressurized metered dose inhaler (pMDI). *Eur Respir J 2006; P 3366*.
- P. Das, B. B. Brashier, S. V. Valsa, V. S. Ghole, **S. S. Salvi** : Inflammatory markers and experimental studies in occupational and environmental diseases - Bus drivers show higher levels of exhaled carbon monoxide, a marker of lung oxidative stress. *Eur Respir J 2006; P3615*.
- **Salvi SS**, D'Silva L, Chhowala S, Brashier B, Bal T, Gogtay JA. Use of Spirometry in clinical practice for Obstructive Lung Diseases in India. *Chest 2005; 128(4): 248S*.
- Brashier B, Jantikar A, Maganji M, Raghupathy A, Valsa S, Gokhale P, Mahadik P, Gogtay JA, **Salvi SS**. Addition of Formoterol to Tiotropium produces better FEV1 and FVC responses when measured over 24 hours following single-dose administration in subjects with moderate-to-severe COPD. *Chest 2005; 128(4): 258S*.
- Jantikar A, Brashier B, Raghupathy A, Vincent V, Bal T, **Salvi SS**. A single dose of tiotropium produces a significant improvement in 6-minute walk distance in severe COPD subjects. *Eur Respir J 2005; 26: Suppl. 49*.
- Brashier B, Londhe J, Jantikar A, Bal T, **Salvi SS**. Prevalence of obstructive lung diseases in 12,043 urban slum dwellers of Pune city, India. *Eur Respir J 2005; 26: Suppl. 49, 592s*.
- Brashier B, Bal T, Mahadik P, Gokhale P, Gogtay J, **Salvi SS**. Tiotropium administered by a pressurized metered dose inhaler (pMDI) and spacer produces a similar bronchodilator therapeutic response as that administered by the Rotahaler in adults with chronic obstructive pulmonary disease. *Eur Respir J 2005; 26: Suppl. 49, 125s*.
- **Salvi SS**, Wagh AP, Bhutada U, Ghorpade SV, Tayade BO, Bal T, Brashier B. High prevalence and under-diagnosis of obstructive lung diseases in hospitalized patients in India. *Eur Respir J 2005; 26: Suppl. 49, 594s*.
- Ramnani A, Ghorpade SV, Brashier B, Bal T, Joshi DR, Gaikwad S, **Salvi SS**. Elevated levels of exhaled carbon monoxide in traffic policemen from Pune city. *Eur Respir J 2005; 26: Suppl. 49, 386s*.

- Jantikar A, Brashier B, Raghupathy A, Bal T, Mahadik P, Gokhale P, Gogtay J, **Salvi SS**. A pMDI formulation of levosalbutamol produces an equivalent bronchodilator response as racemic salbutamol a half the dose. *Eur Respir J* 2005; 26: Suppl. 49, 122s.
- **Salvi SS**, Sheth P, Sekerel BE, Yoshisue Y, Holloway J, Holgate ST. Human airway epithelial cells synthesize and release epinephrine and nor-epinephrine. *Eur Respir J* 2005; 26: Suppl. 49, 554s.
- J. Pourazar, A. Blomberg, A.J. Frew, R. Helleday, F. Kelly, **SS Salvi**, S.T. Holgate, J. Samet, T. Sandström. Evidence for Nuclear Translocation of MAP Kinases & the transcription factors NFκB and AP-1 in human bronchial Epithelium In-Vivo following exposure to diesel exhaust. *Am J Respir Crit Care Med* 2002;A58.
- Pourazar J, Blomberg A, **Salvi S**, et al. Evidence for nuclear translocation of MAP kinases and the transcription factors NFκB and AP-1 in human bronchial epithelium in vivo following exposure to diesel exhaust. *European Respiratory Journal* 2002.
- **Salvi SS**, Sheth PD, Sekerel B, Yoshisue H, Holloway JW, Holgate ST. Human airway epithelial cells express tyrosine hydroxylase, the rate-limiting step in catecholamine synthesis. *Am J Respir Crit Care Med* 2002;A58.
- **Salvi SS**, Caserini M, D'Amato, M, Rovati L, Holgate ST, Arshad H. Andolast reduces airway hyperresponsiveness to Adenosine-5' Monophosphate dose-dependently in mild asthmatic subjects. *Am J Respir Crit Care Med* 2002;
- Sekerel BE, Stenfors N, **Salvi SS**, Behndig A, Blomberg A, Pourazar J, Kelly FJ, Holloway JW, Sandstrom T, Frew AJ. Different patterns of cytokine and chemokine gene transcripts in lower airways of rhinitics and healthy subjects and their response following diesel exhaust exposure. *Am J Respir Crit Care Med* 2002; B83.
- Frew AJ, **Salvi S**, Holgate ST, Kelly FJ, Stenfors, N, Nordenhall C, Blomberg A, Sandstrom T. Low concentrations of diesel exhaust induce a neutrophilic response and upregulate IL-8 mRNA in healthy subjects but not in asthmatic volunteers. *Int Arch Allergy Immunol* 2001; 124: 324-325.
- Faber JE, Zhang H, Szymeczek-Seay CL, **Salvi S**. Trophic effect of Norepinephrine on Pulmonary Arteries is augmented by Hypoxic pulmonary hypertension. *Am J Respir Crit Care Med* 2001; B42.
- Faber JE, Zhang H, Szymeczek-Seay CL, **Salvi S**. Trophic effect of Norepinephrine on Pulmonary Arteries is augmented by Hypoxic pulmonary hypertension. *FASEB J* 2001; 15(5): A857.
- **Salvi S**, Blomberg A, Kelly FJ, Sandström T, Holgate ST, Frew AJ. Short-term exposure to low levels of diesel exhaust upregulates IL-8 mRNA gene transcription in the bronchial tissue of healthy human volunteers. *Am J Respir Crit Care Med* 2000; 161(3): pA 914.
- **Salvi S**, Papadopoulos N, Frew AJ, Holgate ST. Rhinovirus infection upregulates IL-13 mRNA expression in human airway epithelial cells. *Immunology* 1999; 98(1): pg 164.
- **Salvi S**, Blomberg A, Ruddell B, Kelly FJ, Sandström T, Holgate ST, Frew AJ. Short-term exposure to low levels of diesel exhaust upregulates IL-8 mRNA gene transcription in the bronchial tissue of healthy human volunteers. *Immunology* 1999; 98(1): pg 49.
- **Salvi S**, Blomberg A, Semper A, Söderberg M, Rudell B, Kelly FJ, Sandström T, Holgate ST, Frew AJ. Cytokine mRNA changes in proximal bronchial mucosa of mild asthmatics

following acute exposure to diesel exhaust. *Am J Respir Crit Care Med* 1999; 159(3): pA 317.

- Holgate ST, **Salvi S**, Blomberg A, Nordenhall C, Sandström T, Frew AJ. Cytokine mRNA changes in the proximal bronchial mucosa of healthy and mild asthmatic subjects following acute short-term exposure to diesel exhaust. *XV Health Effects Institute Annual Conference, Air Pollution: Understanding Air Toxics and Particles, May 1999; pg 37.*
- **Salvi S**, Semper A, Holloway J, Polosa R, Holgate ST, Frew AJ. Interleukin-5 production by human airway epithelial cells. *Am J Respir Crit Care Med* 1999; 159(2): pA 42.
- Krishna MT, **Salvi S**, Low JL, Holgate ST, Frew AJ. Intra and Inter observer variability in quantification of inflammatory biomarkers using immunohistochemistry on bronchial biopsies. *Am J Respir Crit Care Med* 1999; 159(3): pA514.
- Nordenhall C, **Salvi S**, Pourazar J, Wilson S, Holgate ST, Sandström T. Exposure to diesel exhaust enhances the expression of IL-8 and GRO-alpha in the bronchial epithelium of healthy subjects. *Am J Respir Crit Care Med* 1999; 159(3): pA 316.
- **Salvi S**, Blomberg A, Semper A, Kelly FJ, Sandström T, Frew AJ, Holgate ST. Changes in cytokine mRNA expression in the bronchial tissue of mild asthmatic subjects following acute exposure to ozone. *Am J Respir Crit Care Med* 1998; 157(3): pA509.
- **Salvi S**, Blomberg A, Semper A, Kelly FJ, Sandström T, Frew AJ, Holgate ST. Acute exposure to 0.2 ppm ozone downregulate IL-1 α , IL-5 and GM-CSF mRNA expression in bronchial tissue of healthy airways. *Am J Respir Crit Care Med* 1998; 157(3): pA839.
- **Salvi S**, Blomberg A, Semper A, Rudell B, Kelly FJ, Sandström T, Holgate ST, Frew AJ. Upregulation of IL-8 mRNA following acute exposure to diesel exhaust in the bronchial tissue of healthy human subjects. *Am J Respir Crit Care Med* 1998; 157(3): pA697.
- Frew AJ, **Salvi S**, Blomberg A, Semper A, Kelly FJ, Sandström T, Holgate ST. Increased expression of IL-5 mRNA in the bronchial tissue of mild asthmatic airways. *J Allergy Clin Immunol* 1998; 101(1): pA 929.
- **Salvi S**, Semper AE, Papi A, Leir S, Frew AJ, Holgate ST. Human lung epithelial cells express IL-5 mRNA. *J Allergy Clin Immunol* 1998; 101(1): pA 84.
- **Salvi S**, Blomberg A, Rudell B, Sandström T, Holgate ST, Frew AJ. Acute Inflammatory changes in the airways of healthy human subjects following short-term exposure to diesel exhaust. *Am J Respir Crit Care Med* 1997; 155(4): pA 425.

NOVEL DISCOVERIES / IDEAS / HYPOTHESES:

- Catecholamine synthesis by human airway epithelial cells. (Novel discovery - **Salvi S** et al. *Manuscript to be submitted to Lancet Resp Medicine*).
- α_1 -adrenergic hypothesis for Pulmonary Hypertension (Hypothesis – Salvi S, *Chest* 1999; 115 (6): 1708-1719)
- Interleukin – 5 production by human airway epithelial cells (Novel discovery - Salvi S et al, *Am J Respir Cell Mol Biol* 1999; 20(5): 984-991)
- Could the airway epithelium play an important role in mucosal IgA production? (Hypothesis – Salvi S et al , *Clin Exp Allergy*; 1999; 29(12): 1597-1605).

- Glucocorticoids increase IgE production. Are we heading towards new paradigms? (Viewpoint - Salvi S, et al. Clin Exptal Allergy 2000; 30(11): 1495-1505)
- Liver disease and pulmonary hypertension. Letter to the Editor. (Viewpoint - Salvi S. Gut 2000; 47(4): 595).
- Protecting the myocardium from ischemic injury. A critical role for α_1 adrenoreceptors? (Hypothesis - Salvi S. Chest 2001; 119(4): 1242-1249).
- Is asthma really due to a polarised T cell response towards a Th2 phenotype? (Viewpoint / Commentary - Salvi S, et al. Am J Respir Crit Care Med, 2001; 164: 1343-1346).
- Expression of Interleukin - 13 gene transcripts in human airway epithelial cells and its upregulation following infection with Rhinoviruses. (Novel discovery - Salvi S et al, Immunology 1999; 98(1): pg 164.)
- Constitutive expression of IL-5 gene transcripts by human colonic epithelial cells (Unpublished preliminary observations).
- Regulation of the immune response by adrenergic receptors. (Hypothesis - Salvi S. Manuscript in preparation).

MEMBERSHIPS OF NATIONAL AND INTERNATIONAL SOCIETIES:

- Member of the National Academy of Medical Sciences, New Delhi, India.
- Indian Chest Society, India.
- American Thoracic Society, USA.
- European Respiratory Society
- American Physiological Society, USA.
- British Society for Allergy and Clinical Immunology, UK.
- British Association for Lung Research, UK.
- Association of Physicians of India

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- Lung India
- Journal of Postgraduate Medicine
- Lancet
- Lancet Respiratory Medicine