

	<p>Name: Dr. Sonu Goel Designation : Professor of Health Management Department : Community Medicine & School of Public Health Institution: Post Graduate Institute of Medical Education and Research, Chandigarh-160012</p> <p>Adjunct Associate Clinical Professor in the School of Medicine, Faculty of Education & Health Sciences, University of Limerick, Ireland Honorary Professor in the Faculty of Human & Health Sciences at Swansea University, United Kingdom</p> <p>Email: sonugoel007@yahoo.co.in, sonugoel007@gmail.com, sonu.goel@ul.ie Profile: goel.sonu@pgimer.edu.in https://scholar.google.co.in/citations?user=BIStB_EAAAAJ&hl=en https://in.linkedin.com/in/sonu-goel-9ba31561, https://www.researchgate.net/profile/Sonu_Goel www.drsonugoel.com</p>
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Education Qualification

Degree/Diploma	Subject	University//Board	Duration of the Course	
			From	To
PhD	Health System Research-Human Resource Management	CAPHRI - School for Public Health and Primary Care, University of Maastricht, Netherlands	2011	2020
PG Diploma	Human Resource Management	Symbiosis, Pune	2007	2009
MD	Community Medicine	I.G. Medical College, Shimla, H.P	2000	2003
MBBS	Medical subjects	Indira Gandhi Medical College, Shimla, H.P	1993	1999

Professional Experience

Experience	Institute/University	Duration	Years
Adjunct Associate Clinical Professor	School of Medicine, Faculty of Education & Health Sciences, University of Limerick, Ireland	1 st January 2021 till 31 st December 2025	5 years

Honorary Professor	Faculty of Human & Health Sciences at Swansea University, United Kingdom	1 st June 2021 till 30 th November 2023	2 ½ years
Professor	Department of Community Medicine and School of Public Health, Post Graduate Institute of Medical Education and Research, Chandigarh	1 st July 2019 till date	-
Additional Professor	Post Graduate Institute of Medical Education and Research, Chandigarh	1st July 2015 till 30 th June 2019	3 years +
Associate Professor	Post Graduate Institute of Medical Education and Research, Chandigarh	1st July 2012 till 30 th June 2015	3 years
Associate Professor	Symbiosis Centre for distance learning, Pune		3years
Assistant Professor	Post Graduate Institute of Medical Education and Research, Chandigarh	1st September 2008 till 30 th June 2012	3 years 9 months 29 days
Assistant Professor	Dr. Rajendra Prasad Govt. Medical College, Tanda, Kangra (Himachal Pradesh)	29 th December 2006 to 30 th August 2008	1 year and 8 months
Consultant	UNICEF, New Delhi	3 rd Feb 2006 to 28 th Dec 2006	10 months 26 days
Senior Resident	Post Graduate Institute of Medical Education and Research, Chandigarh	3rd Feb 2003 to 2nd Feb 2006	3 years

Additional Administrative Experience

- Deputy Medical Superintendent** of PGIMER, Chandigarh for 3 years (2008-11). I looked primarily after Emergency and Trauma Centre of institute but also other charges like Central Public Information Officer, Central Sterile Supply Department, Pharmacy and Clinical Record Department and Telephones.
- Purchase officer** of PGIMER for one year (2009-10). Developed the purchase procedure and guidelines in collaboration with institute stakeholders and assisted in consistent and timely purchase of various equipment's for smooth functioning of hospital also assisted in development of institute purchase of PGI Chandigarh.
- Acknowledged by former director of PGIMER Prof. K.K Talwar; Dr Anil Gupta, Medical Superintendent PGIMER and Dr Vashistha, Procurement Officer of PGIMER for outstanding performance in administration, teaching and research

Areas of Specialization

Public Health, particularly in Health Management focused on Human Resource Management, Operational Research AND Tobacco Control

Awards and Honors

Awards (Year)	Title of Award	Awarding Body
2021	Adjunct Associate Clinical Professor in the School of Medicine, Faculty of Education & Health Sciences	University of Limerick Ireland
2021	Honorary Professor in the Faculty of Human & Health Sciences	Swansea University
2020	Harcharan Singh Oration	Indian Association of Preventive and Social Medicine
2018	Best published article of the year	Medical Journal Armed Forces India
2017	Vasudeva Oration	Indian Association of Preventive and Social Medicine-North Zone
2017	Certificate of Appreciation for high quality published research work in 5 th Annual Research Day	Postgraduate Institute of Medical Education and Research, Chandigarh
2017	Excellent work for 'Tobacco Free Punjab' and 'Chandigarh Smoke free'	State Tobacco Control Cells- Punjab and Chandigarh
2015	Best Paper Award 'Enhancing Indian Economy through Medical Tourism'	Panjab University, Chandigarh
2015	Fellowship	Indian Association of Preventive and Social Medicine
2014	Excellence in Public Health	India Health & Wellness Awards
2013	Visiting scholarship	Maastricht University, the Netherland (2 months)
2009,2010,2011, 2012,2013, 2014	Young Researcher Award	Intramural Research Scheme PGIMER, Chandigarh
2013	Member	Membership of National Academy of Medical Sciences (MNAMS)
2012	Fellowship	International Medical Sciences Academy
2012	Fellowship	Indian Public Health Association
2011	Visiting Fellowship	John Hopkins School of Public Health, U.S-2011 on Global Tobacco Control (2 weeks)
2011	Scholarship	University Grants Commission
2008	Best Poster	XII Annual Conference of Indian Association

		of Preventive and Social Medicine (North Zone Chapter)
2006	Young researcher award (epidemiology)	IAPSM-FORD Foundation

Special appointments at National and International Level

1. Appointed Convener of the scientific group for Strengthening National Tobacco Testing Laboratories (NTTLs), of India by Directorate General of Health Services, Ministry of Health & Family Welfare, Government of India.
2. Selected Country coordinator from India for South Asian Regional Consortium Centre for Combating Tobacco (SARC-CCT), which is a South Asian tobacco observatory established at the Centre for Combating Tobacco (CCT) at the University of Colombo, Sri Lanka.
3. Appointed Co-Chair (2018-2021) of Tobacco Control Section of International Union against TB and Lung Diseases and thereafter Chair of TC section from October 2021 onwards
4. Chief Editor of theme based periodic Newsletters: 'Cardio-Health' and 'Tobacco Free Times'.
5. Director of E-learning course for Public Health: an interactive web-based knowledge, transfer platform offering online courses in Public Health. Currently offering 4 programs on health management and tobacco control.
6. Director of International Public Health Management Development Program institutionalized under Indian Technical Economic Cooperation, Ministry of External Affairs, Government of India
7. Director(s) of national E-Resource Centre for Tobacco Control and Resource Centre for Cardiovascular Health.

Additional Certifications

1. One year certificate course on **Global tobacco Control Scholars Program** (2019-2020), John Hopkins Bloomberg School of Public Health, Maryland, United States.
2. Certificate in Executive Education Course "**Designing Personal Change**" in September 2019 at John Hopkins Carey Business School, Maryland, United States.
3. Visiting Faculty of South Asia SORT-IT UNION **Operational Research** Course from 11-18th December 2015 at Colombo, Sri Lanka.
4. Visiting Faculty of South Asia SORT-IT UNION **Operational Research** Course at Nepal in 2013.
5. Course on **Tobacco Pack warning** conducted by The International Union against Tuberculosis and Lung Disease (The Union) 2010 (April 22-26th, 2014)
6. Course on **Management and Leadership** conducted by The International Union against Tuberculosis and Lung Disease (The Union) 2010 (Jan 11-16,2010)
7. Certificate course on **Evidence Based Health Care Management** by SIGNET (Indo- Singapore Collaboration) 2010
8. Global Package '**Managing Programs to Improve Child Health**', for child health program managers by WHO India Country Office 2010 (Sept 27-Oct 1, 2010)
9. Course on **Management of Managers** conducted by The International Union against Tuberculosis and Lung Disease (The Union) 2010 (Oct 4-8, 2010)
10. WHO (SEARO) TOT **Operations Research**, New Delhi 2009 (Nov 23-27, 2009)
11. E-Learning course on **Basics of Health Economics** Cohort-4, World Bank Institute, Washington 2009

12. Certificate course on **Geographical Information System for Health Management**, New Delhi 2009 (Dec 7-11,2009)
13. Certificates by **Global Health e-Learning Center, John Hopkins** Bloomberg School of Public Health in varied topics (n=9 certificates) related to public health 2008
14. **Basic UN Security course** 2006
15. **Human Subjects Research Education Certificate**, The Johns Hopkins Bloomberg School of Public Health, online 2005
16. Certificate Course in **Health and Family Welfare Management**, National Institute of Health and Family Welfare (NIHFW), New Delhi 2002

Fellow/ Member of Professional Bodies/ Reviewers of Journals

Fellow

1. International Medical Sciences Academy (FIMSA)
2. Indian Association of Preventive and Social Medicine (FIAPSM)
3. Indian Public Health Association (FIPHA)

Member

1. Indian Association of Preventive and Social Medicine (IAPSM). **Executive Member** of IAPSM (National Chapter) for years 2005-06 and 2017-18, IAPSM (North Zone) for year 2008-09
2. Indian Public Health Association. **Executive member** of IPHA (Chandigarh) for the year 2005-06
3. Population and Health – Perspective & Issues
4. Indian Red Cross Society (IRC).
5. Association of Prevention and Control of Rabies in India (APCRI).
6. India Clinical Epidemiology Network (India CLEN)
7. International Epidemiological Association (IEA)
8. International Union against Tuberculosis and Lung Diseases (IUATLD)
9. Indian Society of Medical Statistics (ISMS)
10. International Medical Sciences Academy (IMSA)

Reviewer

1. Reviewer of Bulletin of the World Health Organization (ISSN, 0976-0245- peer reviewed)
2. Reviewer of Indian Journal of Community Medicine (ISSN 0970-0218-peer reviewed)
3. Assistant Editor and member of National Scientific Committee/ advisory board of Indian Journal of Public Health Research and Development (ISSN, 0976-0245-peer reviewed)
4. External Reviewer of Internal Ethics Committee of PGIMER
5. Reviewer of Indian Journal of Public Health
6. Reviewer of Plos One
7. Reviewer of International Journal of Tuberculosis and Lung Disease (IJTLD)
8. Reviewer of Public Health Action journal

Resource Person/ Chair at International/ National/ State level

International

1. Delivered paper presentation in 17th World Conference on tobacco or health from 7-9th March 2018 at Cape Town, South Africa.

2. Delivered papers presentation in 21st International Epidemiological Association (IEA) World Congress of Epidemiology (WCE 2017) from 19-22nd August 2017 at Tokyo, Japan.
3. Delivered paper presentation in '15th World Congress on Public Health' (WCPH from 3-7th April 2017) at Melbourne, Australia.
4. Delivered two oral, two e-poster and two poster discussion sessions presentation in 47th Union World Conference on Lung Health from 26-29th October 2016 at Liverpool, United Kingdom.
5. Delivered two oral papers presentation on 'Public Health in India-Challenges and Opportunities' AND Utilizing m-health in Primary Health Care Delivery of Developing Countries in 35TH Annual Conference cum convocation of IMSACON from 6-8th October 2016 at Mauritius
6. Delivered poster presentation on two poster discussions- on impact of smoking cessation intervention package on treatment outcome of tuberculosis patients in North India: a cluster randomized control trial and does smoking during tuberculosis treatment affects outcomes?: A cross-sectional study in Chandigarh, India in 46th UNION World conference on Lung Health from 2-6th December 2015 at Cape Town, South Africa.
7. Invited talk on 'Tobacco Control Research Experience in India' in 46th UNION World conference on Lung Health held from 2-6th December 2015 at Cape Town, South Africa.
8. Chaired a symposium on 'The role of Supply-Side Measures in Tobacco Control in Setting the Stage for End Game' and was invited speaker of two sessions on tobacco control from March 16-22, 2015 at the 16th World Conference on Tobacco and Health (WCTOH) at Abu Dhabi Chaired oral session in International Conference on Global Public Health held at Negombo, Sri Lanka from July 3-4, 2014.
9. Faculty of International South Asia UNION course on Operational Research in January 2013at Nepal.

National

1. Resource person in a virtual workshop on "National Training Workshop On Strengthening Monitoring and Evaluation of NTCP/MPOWER in the country- prioritising and reorienting Public Health Institutes and National Institutes of Eminence" held from June 10th-12th 2021.
2. Resource person in a virtual workshop on "State level Capacity building workshop on NTCP for key stakeholders/programme implentors of National Tobacco Control Programme" held on 31st May 2021.
3. Guest faculty in a virtual CME program on " Initiative to control tobacco use in India" on the occasion of "World No Tobacco Day" on May 31st 2021.
4. Resource person in panel discussion on "Impact of implementation on Cessation Programmes, Pack Warnings, Mass Media, Advertising bans and Taxation on quitting" on May 29th, 2021.
5. Guest faculty in a virtual CME program on "World Hypertension Day" and delivered lecture on "Community Management of Hypertension" held on May 17th 2021.
6. Attended Press Meet on "Strengthening management of hypertension services through capacity building, Media and communication and stakeholders engagement in the state of Punjab" at Chandigarh Press Club, Sector 27B on April 12th, 2021.
7. Chaired three sessions during 48th National Annual Conference of Indian Association of Preventive and Social Medicine held on March 19th-21st, 2021.
8. Resource person in a Meeting with stakeholders departments on Tobacco Control organized by JIPMER, Puducherry, PGIMER Chandiagr held at Puducherry, on March 2021.
9. Chaired session during AIDSCON 10 The National Hybrid Conference on impact of COVID-19 on National AIDS Control Programme held on March 5th, 2021.
10. Key resource person for an international webinar titled "Tobacco-Free World in COVID-19 Era: Challenges & Opportunities" hosted by Waterfalls Initiative for Continuous Education from UAE

to the World, by the United Arab Emirates, Ministry of Possibilities, A Virtual Ministry of the UAE Government held on January 18th, 2021.

11. Resource person in a national dental CME on Tobacco Control challenges & opportunities for Dental Professionals during COVID 19 (Virtual) held on June 27th, 2020.
12. Resource person in E-Conference on “Tobacco exposed” organized by Indian Medical Association on May 31st, 2020.
13. Resource person in Leadership and Management workshop to improve quality of Neonatal - Perinatal care” held on 21st & 22nd April 2020.
14. Delivered Harcharan Singh Oration at 47th National Conference of IAPSMCON 2020 from 28th to 30th January 2020 at Mahabalipuram, Tamil Nadu.
15. Resource person in “2nd High Level Sensitization workshop and DLCC meet 2020” on 29th of January 2020 in Puducherry.
16. Resource person in Operational Research workshop for NATIONAL TUBERCULOSIS ELIMINATION PROGRAM (NTEP) on 24th January, 2020 at Patiala
17. Speaker in IAMBSSCON 2019 and delivered presentation on Current Health Policies for Tobacco Control in India: Implementation & Challenges-The Way Ahead on 19th October 2019 at PGIMER Chandigarh.
18. Resource person in Training of Trainers under National Tobacco Control Programme and delivered presentation on Developing synergy with other Health/Development Programmes on 17th October 2019 at O/o DHS Punjab Chandigarh.
19. Resource person in training on "Management of Public Health Emergencies" for District Health Officers from 14th - 26th October 2019 at Chandigarh.
20. Resource person in capacity building workshop on tobacco cessation for training the medical team at TATA Motors premises in Pimpri, Pune on 13 October 2019.
21. Resource person and Guest Speaker at Pre Convention workshop on addressing gaps in Oral Health and Tobacco Control through Operational Research on 13th June 2019 at Maulana Azad Institute of Dental Sciences, New Delhi.
22. Chaired IAPSM 2019- Pre Conference CME on M- Health intervention leading the way toward universal health coverage’ on March 7th, 2019 at Indira Medical college, Shimla, Himachal Pradesh.
23. Delivered paper presentation in 4th National conference on tobacco or Health from 8-10th February 2019 in Mumbai, India.
24. Delivered lecture in Research Methodology Workshop 18-19th September 2018in Srinagar, India.
25. Delivered lecture in Workshop on Climate and Health, Panjab university on 30th August 2018 at Chandigarh, India.
26. Delivered presentation at National Seminar on Tobacco cessation on 2nd August 2018 at New Delhi, India.
27. Resource person in NATIONAL CONSULTATION ON TOBACCO FREE GENERATION at Taj Hotel, Chandigarh from 29th to 31st October 2019.
28. Resource Person and Guest Speaker for the Pre-convention workshop on addressing gaps in Oral Health and Tobacco Control through Operational Research on 13th June 2019 at Maulana Azad Institute of Dental Sciences.
29. Resource person in Orientation Workshop on Assessment of Compliance to Indian Tobacco Control Legislation (COTPA) in Uttarakhand at Department of Community and Family Medicine, All India Institute of Medical Sciences, Rishikesh from 13-14th May 2019.
30. Resource person in “Consultation on mapping and exploring strengthening of Tobacco Control policies and programme in India” at Chandigarh from 3rd to 5th of April 2019.
31. Delivered presentation in Leadership and Management in Clinical Care on 1st July 2018 2018 at Chandigarh, India.

32. Delivered presentation in Research Methodology Workshop from 1-3rd May 2018 at Srinagar, India.
33. Delivered presentation at National consultation- How to protect tobacco control policies in India from 24th-27th April 2018 at Chandigarh, India.
34. Delivered lecture in Operational Research workshop from 28-31st March 2018 at Manali, Himachal Pradesh.
35. Chairperson for oral presentation session in 2nd National Conference on Health Technology assessment on 25th February 2018 at PGIMER Chandigarh.
36. Judge in poster competition during 7th AIDSCON on 16th & 17th February 2018.
37. Delivered lecture in conference on Strategic Nursing Management on 16th February 2018 at Chitkara University, Punjab.
38. Chairperson for 62nd Annual National Conference of Indian Public health Association in Lucknow from 9-11th February 2018.
39. Chairperson for 4th International Public Health Management Development Program (IPHMDP) held at PGIMER, Chandigarh from 16-20th December, 2017.
40. Delivered lecture in Regional civil society consultation on NCD- Burden of Non Communicable Diseases (NCD's) & Tobacco use on 22nd November 2017 at Mohali, Chandigarh.
41. Chairperson for International Medical Science Academy (IMSACON), on 'An overview on burden of Tobacco: Global, India and Regional' held in Shimla on 11th November, 2017.
42. Delivered Vasudeva Oration in 21st Joint Conference of North-Zone Indian Association of Preventive and Social Medicine and Indian Public Health Association on 2nd November 2017 at PGIMER, Chandigarh.
43. Delivered lecture in MPOWER Workshop on Epidemiology of tobacco use in India on 26th October 2017 at Chandigarh.
44. Delivered lecture in CME on Tuberculosis and Tobacco use in India on 10th October 2017 at Solan, Himachal Pradesh.
45. Delivered lecture in workshop on Feasibility of *Tuberculosis* and Tobacco Collaborative Framework in India at Shimla, Himachal Pradesh from 29-30th August 2017.
46. Chairperson for sessions in World NCD Congress from 4-6th November 2017 at PGIMER Chandigarh.
47. Delivered lecture on Leadership and Management Program (LAMP) at IIMR, New Delhi from 17-26th August 2017.
48. Delivered Lecture on Vaccine Trials in 36th National Workshop on Clinical Pharmacology and Therapeutics on 6th March 2017 at PGIMER, Chandigarh.
49. Independent observer cum expert for 3rd National batch of effective cold chain and vaccine management course from 27th February till 3rd March 2017 at NIHF, New Delhi.
50. Chairperson for an e-Poster Session in 61st National Annual Conference of Indian Public Health Association Jodhpur from 24-26th February 2017.
51. Chairperson for an free oral paper Session on Non-Communicable & Life Style Diseases in 44th National Annual Conference of Indian Association of Preventive and Social Medicine, Kolkata from 24-26th February 2017.
52. Chairperson for a Poster Discussion Session in 6th AIDSCON Chandigarh from 3-4th February 2017.
53. Delivered lecture on Data cleaning & coding in SPSS Research Methodology and applications of SPSS in environmental health from 5-9th December 2016 at School of Public Health, PGIMER, Chandigarh.
54. Chairperson for poster Session in 20th Annual Conference of North Zone of Indian Association of Preventive and Social Medicine, Solan, Himachal Pradesh from 25-26th November 2016.

55. Delivered lecture on Challenges in Operational Research in RNTCP' in 20th Annual Conference of North Zone of Indian Association of Preventive and Social Medicine from 25-26th November 2016 at MMM College and Hospital, Himachal Pradesh.
56. Delivered lecture on Monitoring & Evaluation of safe water supply & sanitation in Workshop on Water, sanitation and Health from 2-6th August 2016 at School of Public Health, PGIMER, Chandigarh.
57. Delivered lecture on Monitoring of Tobacco Use in India in 2nd National Workshop on Tobacco Control from 5-8th July 2016 at JIPMER, Puducherry.
58. Delivered lectures on 'measuring and monitoring progress of tobacco control' and 'compliance assessments' in Union Workshop on National Tobacco Control Programme from 8-10th June 2016 at Hotel Mountview, Chandigarh.
59. Delivered lecture on Operational Research-Key concepts and Framing a good research question in OR Zonal Workshop on RNTCP from 1-3rd May 2016 at Kumarhatti, Solan.
60. Chief moderator for protocol writing of participants from 8 north Zone states in OR Zonal Workshop on RNTCP 1-3rd May 2016, Solan, Himachal Pradesh.
61. Chairperson for an Oral Session 'Maternal and Child Health' in 60th National Annual Conference of Indian Public Health Association Dehradun from 4-6th March 2016.
62. Delivered three oral presentations on Developing a Hypotheses and Defining the Research Question, Elements/Demonstration of Research Protocol and Research Ethics in 60th National Annual Conference of Indian Public Health Association from 4-6th March 2016 at Himalayan Institute of Medical Sciences, Swami Rama Himalayan University, Dehradun.
63. Delivered lecture on how to attract and retain health staff especially doctors in rural and remote areas: Experiences from 3 northern states of India in Consultative workshop on Human Resources for Health from 9-10th February 2016 at Raipur, Chhattisgarh.
64. Chairperson and organized a session on 'Two minutes of Public Health Communication' in 19th Annual Conference of North Zone of Indian Association of Preventive and Social Medicine from 9-10th October 2015 at Government Medical College, Srinagar, Kashmir.
65. Delivered lecture on Monitoring of Tobacco Use in India at National Workshop on Tobacco Control JIPMER, Puducherry from 29th June to 2nd July 2015.
66. Faculty for four CMEs cum workshops (2010, 2011, 2012 and 2013) on laws applicable to hospitals: Issues, Challenges, and Possible Solutions in Department of Hospital Administration, PGI, Chandigarh.
67. Consultant in UNICEF for one year in 2005-06. Worked in 7 North Eastern States in Immunization. Increased coverage of immunization significantly.
68. Resource person for technical support for National Health Systems Resource Centre (NHSRC) in Project Implementation Plan (PIP) under National Rural Health Mission in State of Haryana.
69. Resource person for National Rural Health Missions of U.T Chandigarh in preparation of PIP 2010-11 and 2011-12. Resource person for Chandigarh in preparation of village health plans for 2011-12, 2012-13, 2013-14.
70. Resource person of Mahatma Gandhi State Institute of Public Administration, Punjab in 2010 and 2011 for sensitization of faculty of medical college and hospital regarding quality of care at 4 districts (Hoshiarpur, Patiala, Ludhiana and Mohali).
71. Invited as resource person for sensitization of faculty of CSK Himachal Pradesh Agricultural University at Palampur, Himachal Pradesh in 2011.
72. Resource person in various trainings of Chandigarh and Punjab Health departments viz. ASHA trainings (n=10), Immunization trainings for medical officers (n=3), HMIS (n=1), oral health trainings (n=5) in 2010-11. Also a resource person for RKS training to medical officers, ASHA trainings, immunization trainings to ANM and MO, VHSC trainings in 2011-12.
73. Resource person in various trainings of Haryana dental officers (3 batches) in 2012 and 2013; and State Institute of Health & Family Welfare, Haryana for distance learning course in H &FW

management.

74. Invited resource person in National CIHA.
75. Delivered invited lectures on 'Choosing a research design' and 'Communication skills' at National Workshop on Research Methodology, Statistical Analysis and Stress Management in Punjab University, Chandigarh, 30-31 Jan 2014; on Hypotheses in University Institute of Legal Studies on 4th March 2014; on Ethics in Research in Department of Philosophy on 22nd March 2013.
76. Speaker in Management Development Program on Health System Strengthening in Department of Hospital Administration, PGI, Chandigarh
77. Chaired a free poster session in 30th Annual national conference of Indian Society for Medical Statistics (ISMCON-2012) DMC Ludhiana. Oct- 6th to 8th 2012
78. Chaired a free poster session in 39th Annual National Conference of IAPSM on 28th February 2012 at Tanda, Kangra, H.P.
79. Speaker at 3rd National Conference on Tobacco or Health (NCTOH), at Tata Memorial Hospital, Mumbai on 15th & 16th December 2014.
80. Speaker at the National Workshop on Clinical Pharmacology and Therapeutics at PGIMER Chandigarh from February 23-28, 2015.
81. Chaired a technical session on 'Just Two Minute of Public Health Communication' at the 42nd Annual Conference of Indian Association of Preventive and Social Medicine held at Lucknow from February 26-28, 2015.
82. Chaired a technical session in National Symposium on Weather and Climate Extremes (TROPMET 2015) held at Punjab University, Chandigarh from February 15-18, 2015.
83. Speaker at National Workshop on Research Methodology, Statistical Analysis and Stress Management held at Punjab University from January 30-31, 2015.
84. Faculty for National workshop on Tobacco Control organized by School of Public Health, JIPMER, Puducherry from 29th June-4th July 2015.
85. Chaired a session and organized CME on 'Two minutes of Public Health Communication' at 19th Annual Conference of North Zone of Indian Association of Preventive and Social Medicine from 9-10th October, 2015 at Government Medical College, Srinagar, Kashmir.
86. Speaker at Consultative workshop on Human Resources for Health held from 9-10th February 2016 at Raipur, Chhattisgarh.
87. Chaired an Oral Session on 'Maternal and Child Health' in 60th National Annual Conference of Indian Public Health Association Dehradun from 4-6th March 2016.
88. Speaker at 60th National Annual Conference of Indian Public Health Association held from 4-6th March 2016 at Himalayan Institute of Medical Sciences, Swami Rama Himalayan University, and Dehradun. Three oral presentations: Developing a Hypotheses and Defining the Research Question, Elements/Demonstration of Research Protocol, Research Ethics.

International Travels for Professional Purposes

Year	Purpose of visit	Organizers	Country visited
March 3-6 th , 2020	Workshop on Public health policy & management	University of Tanta, Egypt	Egypt
15-20 December 2019	Executive Leadership program	Department of Community Medicine and School of Public Health, PGIMER and Mahidol University	Thailand
7 th -8 th November	IMSACON 2019, Medical Infections	Baskent University, Ankara Turkey	Turkey

2019			
27-29 th May 2019	Workshop of the South Asian Regional Consortium Centre for Combating Tobacco (SARC-CCT)	Centre for Combating Tobacco (CCT)	Colombo, Sri Lanka
13-15 th September 2018	The 12 th Asia Pacific Conference On Tobacco Or Health	National Committee on Tobacco Control, Indonesia	Bali, Indonesia
23-25 th August 2018	37 TH year IMSACON 2018	International Medical Science Academy	Glasgow, UK
7-9 th March 2018	17 th World Conference on tobacco or health: Presenting research paper	International UNION Against T.B and Lung Disease (The Union)	Cape town, South Africa.
6 th March 2018	Participated in Bloomberg Initiative Grantee Meeting	International UNION Against T.B and Lung Disease (The Union)	Cape town, South Africa
19-22 nd August 2017,	21 st International Epidemiological Association (IEA) World Congress of Epidemiology (WCE 2017): Presenting research paper	International Epidemiological Association	Tokyo, Japan
3-7 th April 2017	15 th World Congress on Public Health' (WCPH):Presenting research paper	World Federation of Public Health Associations (WFPHA)	Melbourne, Australia
26-29 th October 2016	47 th Union World Conference on Lung Health: Two oral, two e-poster presentation and two poster discussion sessions.	International UNION Against T.B and Lung Disease (The Union)	Liverpool, United Kingdom
6-8 th October 2016	35 TH Annual Conference cum convocation of IMSACON: Two oral papers presentation 'Public Health in India-Challenges and Opportunities' AND Utilizing m-health in Primary Health Care Delivery of Developing Countries	International Medical Sciences Academy	Mauritius
11-18 th December 2015	South Asia SORT-IT UNION Operational Research Course: Visiting Faculty	International UNION Against T.B and Lung Disease (The Union)	Colombo, Sri Lanka
2-6 th December 2015	46 th UNION World conference on Lung Health: Presented two Poster Discussions- 1. Impact of smoking cessation intervention package on treatment outcome of tuberculosis patients in North India: a cluster randomized control trial 2. Does smoking during tuberculosis treatment affects outcomes?: A cross-sectional study in Chandigarh, India)	International UNION Against T.B and Lung Disease (The Union)	Cape Town, South Africa

2-6 th December 2015	46 th UNION World conference on Lung Health: Invited talk on 'Tobacco Control Research Experience in India'	International UNION Against T.B and Lung Disease (The Union)	Cape Town, South Africa
16-22 nd March 2015	Chaired a symposium, invited speaker in two sessions and presented two papers in 16th World Conference on Tobacco and Health (WCTOH)	International UNION Against T.B and Lung Disease (The Union)	Abu Dhabi
3-8 th March 2015	Invited Faculty of International South Asia UNION course on Operational Research	International UNION Against T.B and Lung Disease (The Union)	Kathmandu, Nepal
28th Oct- 1st Nov 2014	45th Union World Conference on Lung Health	International UNION Against T.B and Lung Disease (The Union)	Barcelona, Spain
29th-3rd Oct 2014	Third Global Symposium on Health Systems Research	Health System Global Secretariat	Cape Town, South Africa
2-4 th July 2014	Chaired a oral presentation session and presented a paper in Global Public Health conference	Global Public Health Secretariat	Negombo, Sri Lanka
4th Nov- 25th December 2013	Attended a course 'Health Care Governance and Ethics'	Department of Health System Research, Maastricht University	The Netherland
25-29 th Sept 2013	Chaired a oral presentation session in XI South East Asia Regional Scientific Meeting of the International Epidemiological Association	International Epidemiological Association	Pokhara, Nepal
14-19 th January 2013	Invited Faculty of International South Asia UNION course on Operational Research	International UNION Against T.B and Lung Disease (The Union)	Kathmandu, Nepal
13-17 th Nov 2012	Presented papers (n=2) and attended meeting on Child Lung Health Programme in 43rd World Lung Conference	International UNION Against T.B and Lung Disease (The Union)	Kuala Lumpur, Malaysia
31st October- 3rd November 2012	Presented paper in Second Global Symposium on Health System Research	Health System Global Secretariat	Beijing, China
20-24 th March 2012	Presented papers (2) in 15th World Conference on Tobacco and Health (WCTOH)	International UNION Against T.B and Lung Disease (The Union)	Singapore
November 29 th – December 1 st 2011	Attended workshop "Integrating MPOWER-based Tobacco Control in Medical and Nursing Curricula in Bangladesh, China, India and Indonesia"	International UNION Against T.B and Lung Disease (The Union)	Singapore

June 12-25th, 2011	Fellowship (2 weeks) for certificate credit (16) course on Global Tobacco Control	John Hopkins School of Public Health	Baltimore, United States
24-26th May 2010	10th South East Asia Regional Scientific Meeting of International Epidemiological Association	International Epidemiological Association	Colombo, Sri Lanka
Feb 2-8, 2010	Attended Regional MPOWER and Framework Convention on Tobacco Control (FCTC) workshop	International UNION Against T.B and Lung Disease (The Union)	Bangkok, Thailand

Workshops/ CME and other activities

1. Organized 5-day webinar on Covid-19 management for SAARC nations from April 27th-31st 2021.
2. Organized National Consultation on “Women and Tobacco: issues, Gaps, challenges and way forward”(Virtual) on March 27th, 2021.
3. Organized pre-conference workshop on ‘Fundamentals of Operational Research’ in IAPSMCON-2021 in collaboration with IAPSM on March 19th, 2021.
4. Organized E-IPHMDP supported by (ITEC), Ministry of External Affairs, Government of India from 22nd-26th March 2021.
5. Organized parallel session on Public Health Management and Leadership in strengthening health systems- Challenges and Opportunities during IAPSMCON 2021 on March 20th, 2021.
6. Organized state level capacity building workshop in collaboration with The UNION, JIPMER, State Tobacco Control Cell Puducherry on March 18th, 2021.
7. Organized Bonus workshop on International public Health Management development Program in 48th National Annual Conference of Indian Association of Preventive and Social Medicine on March 14th, 2021.
8. Organized Bonus workshop on “Basics of Tobacco Control” in IAPSMCON-2021 on March 13th, 2021.
9. Organized Bonus workshop on online International Public Health Management Development Program (E-IPHMDP) on March 4th, 2021.
10. Organized National Consultation on Tobacco Vendor Licensing (TVL) in India on February 20th 2021.
11. Organized National Consultation on smokeless tobacco use, attributable 90% Oral Cancer: Challenges in implementation of COTPA and the ban under provisions of FSSAI on February 6th, 2021.
12. Organized Virtual Dialogue in support of ammendments in COTPA Act 2003: Need of the hour on January 29th, 2021.
13. Organized National Consultation on the Human Rights Dimension of Tobacco Control on December 21st, 2020
14. Organized virtual research dissemination workshop: Hypertension Management and Trans-fat elimination on December 19th, 2020.
15. Organized virtual cum orientation workshop of state and district level designated officers (DOs) of FDA, Food Safety Officers (FSOs) and vanaspati producers/manufacturers for sensitization and implementation of >5% trans-fat regulation in oils/fats and food products on December 9th, 2020.
16. Organized ‘Transfatfreediwali’ campaign from October 21st to November 21st, 2020.
17. Organized Webinar on “Tobacco Free Educational Institution” on November 20th, 2020.
18. Organized a webinar on Article 5.3: Challenges and opportunities in collaboration with The Union on November 19th, 2020.
19. Organized National Consultation on Tobacco Product Waste (TPW), it’s Health and Environmental impact was organized by E-Resource Centre for Tobacco Control (E-RCTC) in

collaboration with SIPHER and The International Union Against Tuberculosis and Lung Disease (The UNION) on November 1st, 2020.

20. Organized webinar on Role of media in advancing cardiovascular disease prevention on October 16th, 2020.
21. Organized webinar on ‘Tobacco Free Schools- A way forward to smoke free education’ on October 7th, 2020.
22. Organized webinar on Hypertension and Cardiovascular Complications: Prevention and Management on September 29th, 2020.
23. Organized 5th National Conference on Tobacco or Health (Virtual) from September 25th-26th, 2020 under the guidance of Ministry of Health and Family Welfare (MoHFW), Government of India and in collaboration with the Union South-East Asia (The Union)
24. Organized webinar on Health Journalism in the times of COVID on September 8th, 2020.
25. Organized webinar on Eliminating Trans-fats from oils/fats and food products on August 05th, 2020.
26. Organized webinar on Tobacco Free Generation-
27. Organized National Summit on WNTD 2020- Virtual on 29th May 2020.
28. Organized webinar on Hypertension and COVID-19: Role of yoga in management on May 2nd, 2020.
29. Organized Webinar on Tobacco-Nicotine use and Corona virus disease (COVID-19) in collaboration with SIPHER on April 23rd, 2020.
Organized webinar series “Managing COVID-19 Pandemic-Experience and Best Practices of India” on April 27th-May 1st, 2020, May 11th-May 15th, 2020 & May 18th, 2020
30. Organized Theoretical Connotation of The Importance of Human Relationships in Managing Substance Abuse-PGI in March 17th, 2020 at Department of Community Medicine & School of Public Health, PGIMER Chandigarh
31. Organized State Level Workshop for Media Persons entitled “Combating Hyper-tension, a Silent Epidemic – the Role of Media” in March 13th, 2020 at Department of Community Medicine & School of Public Health, PGIMER Chandigarh
32. Organized Seminar on ‘Hypertension: Prevention and Management’ in February 15th, 2020 at Advanced Cardiac Centre, PGIMER, Chandigarh
33. Organized 7th International Public Health Management Development Program (IPHMDP) from 4th February- 13th February 2020 fully sponsored by Ministry of External Affairs, Government of India. It was attended by 34 participants from 21 countries
34. Organized “Roundtable Consultation on Best Practices of Tobacco Control in India – A step towards Tobacco Free India” on 20th-21st January 2020 at PGIMER, Chandigarh
35. Organized seminar on “Hypertension: Prevention and Management” on 15th of February 2020 at Advanced Cardiac Centre, PGIMER Chandigarh
19. Organized State Level Inception workshop of major stakeholders for prevention and management of Hypertension on December 30th, 2019 at CITCO Hotel Parkview, Chandigarh
20. Organized Executive Leadership program sponsored by National Health Mission Odisha from 15-20 December 2019 at Department of Community Medicine and School of Public Health, PGIMER and Mahidol University, Thailand
21. Organized Training workshop for project staff under assessment of compliance with tobacco products display and point-of-sale tobacco control policies, and tobacco vendors from 12th to 14th December 2019 in Ranchi and Siliguri
22. Organized Regional level capacity building workshop on NTCP for key stakeholders/Programme implementors of National Tobacco Control Programme from 4th to 6th December 2019 at PGIMER Chandigarh
23. Organized flash mob staged acknowledging ill-effects of tobacco at 50th the Union World Conference on Lung Health at Hyderabad on 30th October, 2019.

24. Organized 2nd Public Health Policy and Management Program (PHPM) from 30th September to 4th October 2019, fully sponsored by Ministry of External Affairs, Government of India. It was attended by 20 participants from 15 countries
25. Organized Campaign on the occasion of World Heart Day from 28th to 30th of September 2019.
26. Organized Consultation on Tobacco 21- Why legal age to buy tobacco and legal nicotine products should be increased from 18 years to 21 years? at Department of Community Medicine & School of Public Health, PGIMER on 29th June 2019
27. Organized workshop at state level on the policy of FCTC Article 5.3 – 30th August 2019, JIPMER
28. Organized “Reinvigorating Eye Banking-Consultation on Hospital Cornea Retrieval Programme” on 5th of May 2019
29. Organized IAPSM 2019- Pre Conference CME on M- Health intervention leading the way toward universal health coverage’ on 7th of March 2019 in Indira Medical college, Shimla (H.P)
30. Organized 6th International Public Health Management Development Program (IPHMDP) from 27 February-8th March 2019 fully sponsored by Ministry of External Affairs, Government of India. It was attended by 32 participants from 24 countries
31. Organized Consultation on Protecting Minors from Tobacco/Nicotine: Going beyond Cigarettes and other Tobacco Products Act (COTPA) 2003 on 15th of March 2019
32. Organized Pregnancy and Oral Health: Talks and free check up camps on occasion of Mothers day from 9-15th March 2019
33. Organized workshop on ‘Hands on demonstration for establishing validity of laboratory based monitoring of behavior change strategies for tobacco cessation’ on 16th of February 2019 sponsored by Medical Council of India. It was attended by 58 participants from PGIMER, Panjab University and various private colleges
34. Organized Consultation on Health Effects of Electronic Nicotine Delivery Systems (ENDS) / E-Cigarettes with Subject Experts, Decision Makers and Implementers on 2nd February 2019.
35. Organized 1st Public Health Policy and Management Program (PHPM) in October 2018, fully sponsored by Ministry of External Affairs, Government of India. It was attended by 26 participants from 15 countries across globe
36. Organized induction training for project partners and staff on tobacco control from 19th to 21st June 2018 in School of Public Health (SPH), PGIMER Chandigarh.
37. Organized 5th International Public Health Management Development Program (IPHMDP) in March 2018 fully sponsored by Ministry of External Affairs, Government of India. It was attended by 24 participants from 15 countries across the globe
38. Organized 4th International Public Health Management Development Program (IPHMDP) in December 2017 at PGIMER Chandigarh fully sponsored by Ministry of External Affairs, Government of India. It was attended by participants from 16 countries across globe.
39. Organized Workshop for Program Managers on Tobacco cessation using Behavioral Approach on 17th November 2017 sponsored by Medical Council of India. It was attended by 60 participants.
40. Organized CME on ‘Sensitizing and awareness generation of Public health students and professionals for empowering street food vendors and their clientele against tobacco use using health education approach’ on 17th November 2017 sponsored by Medical Council of India. It was attended by 100 participants.
41. Organized CME on ‘Training of medical officers, medical students and paramedical staff on food safety for improved health related microenvironment of street food vendors’ on 4th October 2017 sponsored by Medical Council of India. It was attended by 84 participants.
42. Organized 3rd International Public Health Management Development Program from 20-25th March 2017 fully sponsored by Ministry of External Affairs, Government of India. Participated by 33 senior public health managers and directors from 21 countries across globe.

43. Organized 2nd International Public Health Management Development Program from 16-20th December 2016 at School of Public Health, PGIMER, Chandigarh. Participated by 33 senior public health managers and academicians.
44. Organized state level training on 'Operational Research on Dengue' from 22-23rd August 2016 at School of Public Health, PGIMER, Chandigarh. Participated by 50 senior medical officers from Chandigarh (in two batches).
45. Organized 1st International Public Health Management Development Program from 16-20th May 2016 at School of Public Health, PGIMER, Chandigarh. Participated by 35 senior public health managers and academicians.
46. Organized extempore competition of Two minutes on Public Health Communication in 60th National Annual Conference of Indian Public Health Association held from 4-6th March 2016 at Himalayan Institute of Medical Sciences, Swami Rama Himalayan University, Dehradun participated by 50 academicians from medical colleges.
47. Organized one day CME on Effective Proposal Writing for Quality Evidence Research in 60th National Annual Conference of Indian Public Health Association held on 4-6th March 2016 at Himalayan Institute of Medical Sciences, Swami Rama Himalayan University, Dehradun participated by 60 academicians from medical colleges and program managers.
48. Organized two days training workshop on Efficient Quality Assured data entry using Epi-Data 2016 at School of Public Health, PGIMER, Chandigarh from 23-24th January 2016. Participated by 25 Academicians from medical colleges.
49. Organized 4 workshops on 'first aid management of epilepsy' for school teachers and students from 100 schools (public and private) of Chandigarh on 7th-10th May 2012.
50. Organized National Workshop on Operational Research from 26th-31st May 2014 at PGIMER, Chandigarh.
51. Designed (and also Course coordinator) a 6 days national course 'capacity building workshop for mid level managers in child health' (in collaboration with UNICEF). Conducted 5 workshops between 2009-11.
52. Conducted Short course on Health Management (two weeks) under IAPSM in year 2004.

Designing of Regular Courses/ programs

1. Designed (and also Course coordinator) one year regular '**Post Graduate Diploma in Public Health Management**' for sponsored candidates from all Indian States at PGIMER Chandigarh.
2. Designed (and also Course coordinator) Health Management Modules (n=3, basic, advanced and field oriented practical) for two year regular '**Masters of Public Health**' program at PGIMER Chandigarh
3. Designed a novel **Supportive Supervision Programme (SSP)** for monitoring various levels of health centers in a block of Haryana.
4. Designed and institutionalized once-a-year regular **Public Health Policy and Management Program (PHPM)** for policy makers and senior management professionals across globe which has been incorporated in Indian Technical Economic Cooperation (ITEC) scheme of Ministry of External Affairs, Government of India.
5. Designed and institutionalized once-a-year regular **International Public Health Management Development Program (IPHMDP) for mid-senior level managers across globe** which has been incorporated in Indian Technical Economic Cooperation (ITEC) scheme of Ministry of External Affairs, Government of India.
6. Designed **4 e-learning courses under e-learning for public health portal** on public health management (basics and advanced) and tobacco control (basics and advanced)

7. Designed **e-IPHMDP** (n=1) and **3 short courses**, programs for international (161 countries) under Indian Technical Economic Cooperation (ITEC) scheme of Ministry of External Affairs, Government of India.

External Examiners

1. External examiner for MBA (Hospital Management), University Institute of Applied Management & Sciences, Panjab University (13th July 2021)
2. External examiner for Community Medicine, MD examination at AIIMS Bhopal (27-30th June 2021)
3. External examiner for Community Medicine, MD examination at Aligarh Muslim University, Aligarh. (10-11th July 2019)
4. External examiner for Community Medicine, MD examination at Govt. Medical College, Srinagar (July 2018)
5. External examiner for MBA (Hospital Management), University Institute of Applied Management & Sciences, Panjab University (13th August 2014)
6. External examiner for Community Medicine, MBBS examination at Govt. Medical College, Srinagar (7-10th July 2014)
7. External examiner for Masters of Public Health (MPH) at Centre for Public Health, Panjab University, Chandigarh in 2015

Publications

International

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9. Goel S, Verma M, Singh RJ, Bhardwaj AK. Integrating tobacco and tuberculosis control programs in India: A win-win situation. *International Journal of Noncommunicable Diseases*. 2018 Dec 1;3(5):9.

10. Goel S, Angeli F, Dhirar N, Singla N, Ruwaard D. What motivates medical students to select medical studies: a systematic literature review. *BMC medical education*. 2018 Dec;18(1):16.
11. Pandey R, Goel S, Koushal V. Assessment of motivation levels and associated factors among the nursing staff of tertiary-level government hospitals. *The International journal of health planning and management*. 2018 Apr 15.
12. Goel S, Angeli F, Singla N, Ruwaard D. Measuring the reasons that discourage medical students from working in rural areas: Development and validation of a new instrument. *Medicine*. 2018 Jan;97(2).
13. Kar SS, Goel S, Naik BN, Singh RJ, Subitha L, Premarajan KC, Lal P. Does capacity building on tobacco control change perception and knowledge among public health professionals? A case study from Puducherry, India. *International Journal of Noncommunicable Diseases*. 2018 Apr 1;3(2):60.
14. Goel S, Sharma D, Gupta R, Mahajan V. Compliance with smoke-free legislation and smoking behaviour: observational field study from Punjab, India. *Tobacco control*. 2018 Jul 1;27(4):407-13.
15. Bashar MA, Goel S. Are our subcenters equipped enough to provide primary health care to the community: A study to explore the gaps in workforce and infrastructure in the subcenters from North India. *Journal of family medicine and primary care*. 2017 Apr;6(2):208.
16. Dixit J, Goel S, Sharma V. A comparative study on the level of satisfaction among regular and contractual health-care workers in a Northern city of India. *Journal of family medicine and primary care*. 2017 Apr;6(2):416.
17. Goel S, Sharma D, Rani S. Factors influencing Janani Suraksha Yojana utilization in a northern city of India. *International Journal of Reproduction, Contraception, Obstetrics and Gynecology*. 2017 Jan 31;6(2):575-9.
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19. Tripathy JP, Goel S, Kumar AM. Measuring and understanding motivation among community health workers in rural health facilities in India-a mixed method study. *BMC health services research*. 2016 ;16(1):366.
20. Gurung MS, Pelzom D, Dorji T, Drukpa W, Wangdi C, Chinnakali P, Goel S. Current tobacco use and its associated factors among adults in a country with comprehensive ban on tobacco: findings from the nationally representative STEPS survey, Bhutan, 2014. *Population health metrics*. 2016;14(1):28.
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29. Raj S, Sharma VL, Singh A, Goel S. The health information seeking behaviour and needs of community health workers in Chandigarh in Northern India. *Health Information & Libraries Journal* 2015; 32 (2): 143-149
30. Goel S, Gupta R. India: Punjab Bans Single Cigarette Sales. *Tob Control* 2015;24:213-16
31. Singh D, Singh SP, Kumaran M, Goel S. Epidemiology of road traffic accident deaths in children in Chandigarh zone of North West India. *Egyptian Journal of Forensic Sciences* 2015 (Available online 6 April 2015)
32. Lal P, Goel S, Sharma D. In harm's way: tobacco industry revenues from sales to underage tobacco users in India. *Glob Health Promotion* 2015: 1757975914567927.
33. Goel S, Kessar RR, Raj S, Ray P, Singh A. Relevance of Rapid Diagnostic Tests for Plague in the Field Settings: a Review. *International Journal of Contemporary Microbiology* 2015. 1(1): 161-69
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35. Sharma S, Singh M, Lal P, Goel S. Predictors of Tobacco Use among Youth in India: GATS 2009-2010 Survey. *Asian Pacific Journal of Cancer Prevention* 2014. 16 (17), 7535-40
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National

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Chapters written in Text Books

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3. Ahuja PK, Gupta AK, Singh A, **Goel S**. Evolution of Hospital System in India. In: Goel S, Gupta A.K, Singh A.J. Editors. Hospital Administration-A Problem Solving Approach. 1st Edition. Elsevier Publishers, India 2014. pp 3-6
4. Singh A, **Goel S**. Changing Role of Hospitals in a Globalized Society. In: Goel S, Gupta A.K, Singh A.J. Editors. Hospital Administration-A Problem Solving Approach. 1st Edition. Elsevier Publishers, India 2014
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6. **Goel S**, Devnani M, Ahuja PK, Gupta AK, Singh A. Healthy Hospital Environment - A Key to Safe Health. In: Goel S, Gupta A.K, Singh A.J. Editors. Hospital Administration-A Problem Solving Approach. 1st Edition. Elsevier Publishers, India 2014. pp 13-17
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36. Singh N, **Goel S**, Raj S, Singh A. Healthy Cities Can Ensure Good Health: A Case Study. In. Singh AJ, Goel S, Jeyashree K. Editors. Health Promotion: Need for Public Health Activism Volume-2. 1st Edition. LAP LAMBERT Academic Publishing, Germany 2013. pp 224-51
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Editor of Books

1. Goel S, Aggarwal AK. *Essentials of Health Management*. Oxford University Press (In Press)
2. Goel S, Gupta A.K, Singh A.J. *Hospital Administration-A Problem Solving Approach*. 1st Edition. Elsevier Publishers, India 2014 (ISBN-978-8131234600)
3. Singh AJ, Goel S, Jeyashree K. *Health Promotion: Need for Public Health Activism Volume-1*. 1st Edition. Lambert Academic Publishing, Germany 2013 (ISBN-13: 978-3659383038)
4. Singh AJ, Goel S, Jeyashree K. *Health Promotion: Need for Public Health Activism Volume-2*. 1st Edition. Lambert Academic Publishing, Germany 2013 (ISBN-13: 978-3659383038)
5. Sonu Goel, Rana J. Singh, Amarjeet Singh. *Compliance Monitoring of Smoke-Free Law of a District of India*. Lambert Academic Publishing, Germany, 2012 (ISBN-13: 978-3659153273)
6. Sonu Goel, Sitanshu Kar, Rana J Singh. *Tobacco Control- A module for Public Health Professionals* (ISBN-13: 978-9352674152)

Health Education Booklets

1. Helping Non- Communicable Disease patients with- A booklet for health care providers at NCD, State tobacco cell, Punjab. (Editors- Bhatt G, **Goel S**) 2019
2. 'Rehdi khaad vikratiyon ke kaushal vikas sambandhi parishikshan pustika'(editors- Pushar K, **Goel S**; Publishers-Mohindra Publishing House) 2019
3. Swasthya karyakarta (A. N. M) ke liye Rashtriya swasthya karyakaram Sambandhi parishikshan module' 2017 (Editors- **Goel S**)
4. 'Mirgi ke bare main samanaye tathye' (ISBN 81-86828-65-6) (Editors- **Goel S**, Singh AJ, Lal V; Publishers- HKT Publications, Chandigarh Unit)
5. Epilepsy and its Management' (ISBN 81-86828-65-6) (Editors- **Goel S**, Singh AJ, Lal V; Publishers- HKT Publications, Chandigarh Unit)
6. 'Mirgi grasit chatron ki school main prathamik chikitisa' (Editors- **Goel S**, Singh AJ, Lal V). 2012
7. 'First Aid Management of epilepsy in school settings- A training manual for teachers and students'(Editors- **Goel S**, Singh AJ, Lal V). 2012
8. *Mantras of Healthy Lifestyle- A salutogenic Approach* (Editors- Singh AJ, **Goel S**, Senjam SS, Goel S). 2012

Commentary

1. Managing vulnerability to COVID-19 through “**Salaam-Namaste Campaign**” (Our Traditional Ways of Greeting)
2. Short-term impact of a Web-based COVID-19 Certificate Program on knowledge of Global Public Health Professionals

Thesis guided

S. No	Name of Student	Year of submission	Degree	Topic	Role
1.	Dr. Monika	Pursuing	Masters In Public Health (PGIMER, Chandigarh)	Level of integration of tobacco control in various National Health Program in Punjab	Principal Supervisor
2.	Dr. Mini	Pursuing	Masters In Public Health (PGIMER, Chandigarh)	Perceived effect of online teaching on student's satisfaction and learning outcome among government and private schools of Chandigarh during Covid-19 pandemic, 2020-2021	Principal Supervisor
3.	Dr. Deep Kumar	2021	Masters In Public Health (PGIMER, Chandigarh)	Pathway to MDR Tuberculosis in Himachal Pradesh	Principal Supervisor
4.	Dr. Yatika Dolker	2021	Masters In Public Health (PGIMER, Chandigarh)	Imbalance between health workforce and healthcare delivery in snow bound area. (Relation of human resource to healthcare delivery)	Principal Supervisor

5.	Dr. Garima Bhatt	Pursuing	Doctor of Philosophy(PhD) (PGIMER, Chandigarh)	Development of tobacco intervention package and assessing its impact on tobacco user behavior of patients attending non communicable diseases clinics of Punjab	Principal Supervisor
6.	Dr. Kumar Pushkar	2019	Doctor of Philosophy(PhD) (PGIMER, Chandigarh)	Combining anti-tobacco campaign and food safety interventions for improved health related microenvironment of street food vendors in Chandigarh	Principal Supervisor
7.	Dr. Priyanka Dhawan	Pursuing	Doctor of Philosophy(PhD) (PGIMER, Chandigarh)	Effectiveness of tobacco cessation intervention package among tobacco users with Non-Communicable diseases admitted in Tertiary care hospital of North India	Principal Supervisor
8.	Ms. Bhawana	2018	Masters In Public Health (PGIMER, Chandigarh)	Attitude of healthcare providers towards teamwork in a tertiary care institute of northern city of India.	Principal Supervisor
9.	Dr. Yudhvir Singh	Pursuing	Doctor of Philosophy(PhD) (Punjab University)	Tobacco advertising, promotion and sponsorship bans at point sale and compliance to Indian tobacco free law in educational institutes of Uttarakhand.	Co-supervisor
10.	Dr. Kirtan Rana	2017	Doctor of Medicine (PGIMER, Chandigarh)	Effect of increased taxation on smoked tobacco products in reduction of prevalence of smoking and smoking attributable deaths in India	Principal Supervisor
11.	Dr. Gagan Deep Raj Hans	2018	Post Graduate diploma in public health management	Level of awareness, opinions and perceived motivation factors and barriers in implementation of nikshay among private and public health care providers in district of Himachal Pradesh	Principal Supervisor
12.	Dr. Rubia	2018	Masters In Public Health (PGIMER, Chandigarh)	Job satisfaction, leadership style and organizational commitment among nurses in tertiary care hospital of Chandigarh	Principal Supervisor
13.	Dr. Sachina	2017	Masters In Public Health (PGIMER,	Association between tobacco use and oral mucosal lesions	Principal Supervisor

			Chandigarh)	in slum dwellers of Mohali, Punjab	
14.	Dr. Rahul Pandey	2017	Masters In Public Health (PGIMER, Chandigarh)	Assessment of motivation levels and associated factors among nursing staff in tertiary level government hospitals of Chandigarh, India	Principal Supervisor
15.	Dr. Ishan Kanga	2017	Masters In Public Health (PGIMER, Chandigarh)	Assessment of the consequences of premature prenatal loss on the health and wellbeing of students of a north Indian medical institute	Co-supervisor
16.	Dr. Sham Sunder	Pursuing	Doctor of Philosophy (Punjab University)	Impact of an intervention package on improvement of outcome of school going children with learning disability in Chandigarh	Co-supervisor
17.	Dr. Garima	2016	Masters In Public Health (Punjab University)	Tobacco use and associated factors in Punjab	Principal Supervisor
18.	Dr. Sumit	2016	Masters In Public Health (Punjab University)	Short term impact of ban on chewable tobacco products and loose cigarette on tobacco consumption behavior of tobacco users in Punjab.	Principal Supervisor
19.	Dr. Navdeep	2016	Masters In Public Health (Punjab University)	Vendor's compliance to ban on sale of chewable tobacco and loose cigarettes in Punjab.	Principal Supervisor
20.	Dr. Divya	2015	Masters In Public Health (PGIMER, Chandigarh)	Prevalence of Tobacco Use and its Relationship with Physical Activity among College Going Youth in Chandigarh	Principal Supervisor
21.	Dr. Pooja Dudeja	2015	Doctor of Philosophy (PGIMER, Chandigarh)	Impact of Intervention Package on Status of Conformance to Food Safety and Standards Regulations 2011 and Quality of Services in Eating Establishments of PGIMER, Chandigarh: An Intervention vs Control Study	Co-supervisor
22.	Dr. Jyoti	2015	Masters In Public Health (Punjab University)	A comparative study on the level of satisfaction among regular and contractual health care workers in Chandigarh	Principal Supervisor
23.	Dr. Reetu	2015	Masters In Public Health (Punjab University)	Assessment of All Village Health Sanitation and Nutrition Committees in Chandigarh	Principal Supervisor

24.	Dr. Gurmeet Katoch	2014	PGDPHM (PGIMER, Chandigarh)	Treatment outcome of MDR tuberculosis patients in district Kangra, Himachal Pradesh	Principal Supervisor
25.	Dr. Ashwini	2014	PGDPHM (PGIMER, Chandigarh)	Assessment of Rogi Kalyan Samiti of District Kangra, Himachal Pradesh	Principal Supervisor
26.	Dr. Achika Rao	2014	Masters In Public Health (PGIMER, Chandigarh)	Perception of pictorial warnings on tobacco products among youth of Chandigarh	Principal Supervisor
27.	Dr. Radhika Gupta	2013	Masters In Public Health (PGIMER, Chandigarh)	Assessment of the level of inclusion and extent of teaching of tobacco control education in Nursing curriculum in northern India	Principal Supervisor
28.	Dr. Vikrant Kanwar	2012	Masters In Hospital Administration (PGIMER, Chandigarh)	Perception of healthcare providers regarding hospital bed utilization at Nehru hospital, PGIMER, Chandigarh	Co-supervisor
29.	Dr. Neha Pandey	2012	M-Phil (BITS Pilani)		Co-supervisor
30.	Dr. Kunal Jhanji	2012	Masters In Public Health (PGIMER, Chandigarh)	Patterns of tobacco consumption and nicotine dependence in an urban resettlement colony in Chandigarh	Co-supervisor
31.	Mr. Shyam Sundar Das	2012	Masters In Public Health (Punjab University)	Prevalence of learning disabilities in school going children of Chandigarh	Co-supervisor
32.	Dr. Vishnu Mittal	2012	Masters In Public Health (Punjab University)	Role of tobacco advertising and promotion in mass media on tobacco use among school going adolescents of Chandigarh	Co-supervisor
33.	Dr. Aman Yadav	2012	Master's In Public Health (Punjab University)	Study on integration of tobacco control in Masters of Public Health (MPH) curriculum of India	Co-supervisor
34.	Dr. Harish Narayanan	2011	Masters In Public Health (PGIMER, Chandigarh)	Analysis of quality and output of thesis/ dissertations done at Post Graduate Institute of Medical Education and Research, Chandigarh between 2005-2009	Co-supervisor
35.	Mr. Yogesh Tiwari	2011	Masters In Public Health (PGIMER, Chandigarh)	Patient flow study in emergency department of Nehru hospital of Post Graduate Institute of Medical Education and Research,	Principal Supervisor

				Chandigarh	
36.	Dr. Rakesh Roshan Bhardwaj and Dr Ajay Sharma	2010	National Institute of Epidemiology, Chennai	Evaluation of Primary Health care facilities in Himachal Pradesh as per Indian Public Health Standards	Principal Supervisor
37.	Dr. Meenakshi Sharma	2009	Masters In Public Health (PGIMER, Chandigarh)	Job Satisfaction among Doctors of Government Medical Institutes of Chandigarh	Principal Supervisor

Ongoing Research Project (summary)

S. No.	Name of Project	Sponsoring Agency	Funds Received (in Indian Rupees)	Duration	Highlight of the project in 100 words
1.	Strengthening Management of Hypertension Services through capacity Building, Media and Communication, and Stakeholders Engagement in the State of Punjab.(Phase II)	Global Health Advocacy Incubator.	Rs. 32,79,800	October 2019 to September 2021	The overall purpose of phase-1 of the project is to strengthen politico-institutional framework of Indian Hypertension Management Initiative (IHCI) in the State of Punjab through capacity building, media and communication, and stakeholders engagement
2.	Advancing Tobacco control at National and Sub-National level through capacity building, MPOWER implementation and support to National Tobacco Control Programme (NTCP). (Project I.D. 2055) (Phase II)	International Union Against TB and Lung Diseases (The Union).	Rs. 1,23,59,000	February 2018 to October 2021	The objective of the study is to strengthen the policy and institutional framework of National tobacco control program in states of Odisha, Telangana, Meghalaya and Puducherry in India through capacity building, MPOWER policy implementation and enactment of FCTC Article 5.3 policy in these four states. The work accomplished till date are: baseline assessment of institutional mechanism of tobacco control, MPOWER and COTPA status of project states, development of a virtual resource centre (www.rctc.org) for tobacco control and networking with stakeholders in focused states for strengthening TC program.
3.	Intervention on Behavior of Tobacco Users attending Non Communicable Clinics of	State Tobacco Control Cell, Dept. of	Rs. 2,94,000	Jan 2018- December 2021	The study aims to assess the behavioral approaches for tobacco cessation in non-communicable disease clinics. In the study booklet

	Punjab. (Phase II)	Health and Family Welfare, Punjab			will be developed to equip and enhanced the knowledge and skills of health professionals working in NCD clinics and for patients information material, text messages, motivational videos will be provided to improve the cessation rate and to improve the quality of life with better health outcome of patients, contributing in achieving the SDG s
4.	Efficacy of behavioral change intervention package for tobacco cessation in tertiary healthcare setting- Randomized Controlled Trial. (Phase II)	PGIMER Research scheme	Rs. 4,50,000	Nov 2019- Nov- 2021	The study aims to undertake formative and summative research on cost effective intervention addressing tobacco use in tertiary healthcare settings. Based on the social learning theory behavioral change package will be used to address the change in tobacco use status. Primary outcome of the study will be to biochemically verify continuous tobacco abstinence at 12 months

Research Project completed (summary)

S. No.	Name of Project	Sponsoring Agency	Funds Received (in Indian Rupees)	Duration	Highlight of the project
1.	Strengthening Management of Hypertension Services through capacity Building, Media and Communication, and Stakeholders Engagement in the State of Punjab (Phase-I)	Global Health Advocacy Incubator		2020	Mapping and engaging of elected representatives and bureaucratic ranks at district and state level was done to place hypertension on a priority list of the state government. We liasoned with over 15 reputed media houses which resulted in the publication of 96 news articles (print and digital media). 'Hub and Spokes' model was followed to promote the telemedicine services at HWC. State government which has been highlighted in a global seminar as 'Lessons from political victories- case study of Punjab, India'. Further state government has nominated 'Transfat free Diwali Campaign' launched under the project under 'Best Practices' for

					Skoch Award. We also launched a 'Resource centre for Cardiovascular Health' ' www.rccvh.org ', bimonthly theme-based newsletter 'Cardio-Health' (n=4 editions) and seven policy focused manuscripts.
2.	Advancing Tobacco control at National and Sub-National level through capacity building, MPOWER implementation and support to National Tobacco Control Programme (NTCP) (Phase-I)	International Union Against TB and Lung Diseases (The Union)		2020	Baseline assessment of institutional mechanism of tobacco control, MPOWER and COTPA status of project states was done, a web-based portal "E-Resource Centre for Tobacco Control" (www.rctc.org) for tobacco control was developed and also networking with stakeholders in focused states for strengthening TC program was done. Published bi-monthly theme based newsletter "Tobacco free Times". Various webinars and seminars were conducted for wider distribution of Tobacco control across country.
3.	Strengthening Enforcement of Taps ban with focus on point of sale through Tobacco Vendor Licensing in two cities of India.	John Hopkins University, Baltimore	Rs. 29,26,980	December 2019 to February 2020	559 tobacco vendors were mapped in Ranchi and 367 in Siliguri. Tobacco vendor density was 68 vendors/km ² , 6 vendors/km, and 8 vendors/1000 population in Ranchi. While in Siliguri, the tobacco vendor density was 99 vendors/km ² , 5 vendors/km and 7 vendors/1000 population. 19% were (n=105) vendors observed in Ranchi and 23% (n=84) of vendors in Siliguri were located within 100-yards of one or more schools. The most common vendor-type in Ranchi was an independent store (58%) and that in Siliguri was a permanent kiosk (52%).
4.	Intervention on Behavior of Tobacco Users attending Non Communicable Clinics of Punjab (Phase-I)	State Tobacco Control Cell, Dept. of Health and Family Welfare, Punjab		2020	To assess the behavioral approaches for tobacco cessation booklet was developed to equip and enhanced the knowledge and skills of health professionals working in NCD clinics and for patients information material, text messages, motivational videos was provided to improve the cessation rate
5.	Efficacy of behavioral change intervention package for tobacco cessation in tertiary	PGIMER Research scheme		2020	Based on the social learning theory behavioral change package has been prepared and validated after consulting experts in the field of tobacco control.

	healthcare setting- Randomized Controlled Trial (Phase-I)				To address the change in tobacco use status and compare behavioral intervention delivered through different modes enrollment of participants has been started.
6.	Assessment of Compliance to Tobacco Control Legislation (COTPA) in Uttrakhand		Rs.5, 25,000	March- August 2019	State control Cell, Government of Uttrakhand
7.	Assessment compliance to “Smoke free legislation” in eight districts of Haryana and UT Chandigarh	Generation Savior Association (GSA) The Union – International Union Against Tuberculosis and Lung Disease			The mean compliance to major indicators of Section 4, 5, 6 (a), 6 (b), 7, 8 and 9 of COTPA was 80.6%, 93.7%, 68.5%, 63.4%, 99.1% in Haryana and 82.8%, 98.5%, 56.0%, 77% and 99.6% in Chandigarh. The overall compliance to all Sections of COTPA (based upon mean of major compliance indicators) was 83.5% in Haryana and 82.8% in Chandigarh.
8.	Comparative effectiveness of two Mobile based strategies on adherence to IMNCI guidelines for managing children suffering from Pneumonia, a cluster randomized control trial. (L.P. No. 553)	Indian Council of Medical Research (ICMR).	Rs. 38,16,197	September 2017 to September 2019	An application (e-IMNCI app) based on IMNCI guidelines was developed for ANMs which showed an apparent improvement in assessment, classification, referral and treatment of the sick children. It proved to be a better strategy over the SMS based mobile strategy for adherence to IMNCI guidelines. The project was a trial on introduction of technology for better delivery of services, thus, leading to improved health outcomes.er progress.
9.	Scoping study to document evidence on Article 5.3 of FCTC in India-Phase-1 and 2.	International Union Against Tuberculosis	Rs.1,62,0 00+1,92,0 00	October to December 2017 &	Qualitative analysis documented six major themes from interviews regarding interference of tobacco industry with tobacco control activities

	(L.P. No. 715)	and Lung disease (The UNION)		September 2018 to March 2019	including Influencing the policy and administrative decisions, Interference with implementation of tobacco control laws and activities, False propaganda and hiding the truth, Manipulating front action groups, Rampant tobacco advertising and promotion activities and others.
10.	Compliance assessment of Indian tobacco free law (COTPA) in two districts of Haryana	Generation Savior Association	Rs.50,000	March 2018	The objective of the study was to assess compliance of Indian tobacco free law in two districts namely Ambala and Kurukshetra of Haryana. The overall compliance to all sections of COTPA was 53.3% and both districts were 50% compliant with respect to mean of major compliance indicators for every sections of COTPA. The poor compliance (28.5%) were observed for section -5 whereas good compliance were observed for section 7,8,9(71.7%) and section 4(65.7%). Section 6(a) & (b) showed moderate compliance of 44.6% and 56% respectively. Ambala was slightly more compliant to section 4, section 5, section 6(a) and section 6(b) while Kurukshetra showed better compliance to section 7, 8&9.
11.	Comprehensive Assessment Of Cigarette And Other Tobacco Products Act (COTPA) in Bathinda District of Punjab	International Union against Tuberculosis and Lung diseases, New Delhi	Rs. 40,000	March 2017	The objective of the study was to assess compliance of Indian tobacco free law in Bathinda district of Punjab. Overall compliance to Section 4 was 88.3%.No active smoking, no cigarette and no bidi butts and no smoking aids were found at 98.6%, 87.5% and 94.1% of the public places respectively. No advertisement of tobacco products at POS was 91.3%, compliance to selling of loose cigarette was 66.3% and compliance to Section 6(a) of COTPA was 41.4%.
12.	Comprehensive assessment of cigarette and other tobacco product Act in Ten districts of Punjab.	Generation Savior Association through International Union against TB and Lung Diseases in	Rs. 2,23,000	February to March 2016	The objective of the study was to assess of cigarette and other tobacco product Act in Ten districts of Punjab namely SAS Nagar, Roopnagar, Fatehgarh sahib, Sangrur, Patiala, Gurdaspur, Amritsar, Kapurtahala, Jalandhar, SBS Nagar. It was found that no active smoking was observed in 96.6% of public places while

		collaboration with State Tobacco Control Cell, Punjab.			signage for no smoking was displayed at 47.4% places. The overall compliance to section 4 and section-5 was 84.6% and 84.3% respectively. Merely 19.7% displayed signage were compliant with section 6 of COTPA and overall mean compliance to section -6(a) &6(b) was 77.6% & 87.2% respectively whereas it was 84.3% for section 7,8&9.
13.	Short term impact of ban on chewable tobacco products and loose cigarette on tobacco consumption behavior of tobacco users in Panjab.	State Health Society, Tobacco Control Cell Panjab and MANT, Kolkata in collaboration with State Tobacco Control Cell, Punjab.	Rs. 60,000	December 2015 to March 2016	The objective was to assess the perceived change of the ban on chewable tobacco products and loose cigarettes on tobacco consumption behavior and to assess their knowledge & attitude towards tobacco control initiatives undertaken by Government of Punjab. Two third of population were aware about tobacco ban in the state and majority (90%) supported the on-going ban on the tobacco products. 98.3% smokers found no difficulty in buying loose cigarettes from point of sale and merely 0.7% users felt that ban helped them quit smoking.
14.	Vendor's compliance to ban on sale of chewable tobacco and loose cigarettes in Punjab.	State Health Society, Tobacco Control Cell Panjab and MANT, Kolkata in collaboration with State Tobacco Control Cell, Punjab.	Rs. 60,000	December 2015 to March 2016	The objective of the study was to assess the compliance of tobacco vendors to ban on sale of flavoured/scented chewable tobacco and loose cigarettes/ loose tobacco in state of Punjab. Majority of vendors were compliant to ban on painting kiosks with tobacco advertisements and very less number of vendors were found selling tobacco products to minor. Minimal number of vendors were found selling E-cigarette and a high percentage of vendors felt that the ban was giving a positive response.
15.	Impact of integrated health program package on health service delivery in Shahzadpur Block, Haryana (Principal Investigator) (IM)	PGIMER Research Scheme	Rs. 2,50,000	April 2014 to March 2016	The objective of the study was to assess the impact of integrated health program package on health service delivery in Shahzadpur block, Haryana. The tool for training need assessment to assess baseline knowledge and skills of health workers and to monitor baseline key programme indicators were prepared. IEC material prepared by IEC division of Haryana Government was pretested

					on a group of healthcare providers and healthcare beneficiaries in civil hospital Naraingarh and CHC Shahzadpur.
16.	Assessment of approaches and factors in increasing attraction and improving retention of physicians in rural and remote areas of India. (Principal Investigator) (LP-363)	ICMR, New Delhi	Rs. 30,49,200	June 2014 to May 2016	The objective of the study was to assess approaches and factors in increasing attraction and improving retention of physicians in rural and remote areas of India. Seven types of interventions- personal and professional, financial, enhanced scope of practice, improved supervision and management, compulsory rural service, continuous professional development and rural focused education in curricula emerged out in the study. Through MSDRI tool main factors of motivation that emerged to serve the poor and needy were desire for respectable living and job security for Medical students and Interns.
17.	Compliance monitoring of prohibition of smoking in a public place (under COTPA 2003 & its provisions) in three districts (Gurdaspur, Bhatinda, and Nawanshahar) in Punjab (Principal Investigator) (LP1170)	Tobacco Control Cell, Punjab	Rs. 1,30,000	May 2013	The objective of the study was to monitor compliance in prohibition of smoking in a public place in three districts (Gurdaspur, Bhatinda, and Nawanshahar) in Punjab. A total of 353, 350 and 364 public places of district Bathinda, Gurdaspur, and Nawanshahr were randomly selected with proportionate representation from geographic area and five major types of public places. The overall compliance of Nawanshahr, Bathinda and Gurdaspur districts are 87.9, 74.5 and 88.5% respectively. However, active smoking was not found in over 95%public places in all the districts.
18.	Evaluation of Maternal and Child Tracking system in Haryana (Principal Investigator).	PGIMER Research Scheme	Rs.80,000	April 2013 to March 2015	The objective of the study was to understand the opportunities and challenges in the operationalization of MCTS strategy in a district in Haryana and to understand the stakeholder's perspectives. Performance of Routine Information System Management (PRISM) framework was used and in-depth interviews of health care providers and clients in 12 subcenters (SCs) and two primary health centers (PHCs) were undertaken. Major limitation for effective implementation

					of MCTC were lack of appropriate training, overburdened data entry operator (DEO) and auxiliary nurse midwife (ANM), poor internet connectivity, slow server speed, and frequent power failures.
19.	Compliance monitoring of prohibition of smoking in a public place (under COTPA 2003 & its provisions) in five districts (Sri Muktsar Sahib, Hoshiarpur, Kapurthala, Sangrur and Bathinda) in Punjab (Principal Investigator) (LP 635)	Tobacco Control Cell, Punjab	Rs. 2,50,000	July to September 2013	The objective of the study was to monitor compliance of prohibition of smoking in a public place in five districts (Sri Muktsar Sahib, Hoshiarpur, Kapurthala, Sangrur and Bathinda) in Punjab. A total of 349 public places of district Bathinda, 359 in district Sangrur, 360 in district Shri Muktsar Sahib, 358 in district Hoshiarpur & 357 public places of district Kapurthala were randomly selected from the list of public places with proportionate representation from each geographic area/ community development blocks of districts and five major types of public places. The overall compliance of Sangrur, Bhatinda, Shri Muktsar Sahib, Kapurthala and Hoshiarpur districts are 96.1%, 93.1%, 93.6%, 96.4% and 91.3% respectively.
20.	Compliance Monitoring of Prohibition of Smoking in Public Places (under Indian Smoke Free Legislation) in five districts (Patiala, Ferozpur, Faridkot, Fazilka and Jalandhar) of Punjab (Principal Investigator) (LP 485)	Tobacco Control Cell, Punjab	Rs. 2,50,000	October 2013 to March 2014	The objective of the study was to monitor compliance of prohibition of smoking in a public place in in five districts (Patiala, Ferozpur, Faridkot, Fazilka and Jalandhar) of Punjab. 346 public places of district Patiala, 340 public places of district Ferozpur, 350 public places of district Faridkot, 340 public places of district Fazilka and 342 public places of district Jalandhar were randomly selected with proportionate representation from geographic area and five major types of public places. The overall compliance of Patiala, Ferozpur, Faridkot, Fazilka and Jalandhar districts are 85.2%, 89.5%, 96.9%, 88.9% and 87.6% respectively. However, active smoking was not found in over 98% public places in all the districts.
21.	Assessing Compliance with Smoke-Free	International UNION	Rs. 8,28,800	November 2012 to	The objective of the study was to assess the compliance with smoke-free

	Legislation in Ahmadabad, Chennai, Delhi and Mizoram in India (Principal Investigator) (LP 944)			July 2014	legislation in Ahmadabad, Chennai, Delhi and Mizoram in India. A total of 5454 public places were surveyed in four jurisdictions of India. The smoking activity was not observed in 91.8-99.6% public places in 4 jurisdictions. 'No Smoking' signage's were present in 10-74% of jurisdictions, whereas, cigarette/bidi stubs loitering; smell of smoke and smoking aids was present in negligible public places.
22.	Comparison of the Impact of a Lifestyle Intervention Package on the Salutogenic Potential and Health Promoting Lifestyle of Manipuri and Non-Manipuri University Graduate Students in a North Indian City (Co-Investigator)	Indian Council of Medical Research, New Delhi	Rs. 14,38,800	April 2011 to March 2013	The objective of the study was to compare impact of a lifestyle intervention package on the salutogenic potential and health promoting lifestyle of Manipuri and Non-Manipuri University Graduate Students in a North Indian City. An two group RCT was conducted in which group A (n=60) received training on lifestyle intervention package (Physical exercise, dietary assessment and modification, yoga, spiritual orientation, philanthropy work) along with a manual on these topics while the other group B (n=60) received only the manual. BMI, waist circumference, dietary habits, amount of physical activity, participation in welfare activities and SOC score was used as outcome variables.
23.	Development of Nehru Hospital, Post Graduate Institute of Medical Education & Research, Chandigarh as a Health Promoting Hospital (Co-Investigator-1)	World Health Organization , SEARO	Rs. 7,56,000	April 2011 to December 2011	The objective of the study was to undertake risk profiling of hospital employees, conduct sensitization training, improve their awareness about health promoting hospital and to improve biomedical waste management practices in PGIMER, Chandigarh. The major activities performed under the project were constitution of a health promotion committee and a health promotion cell comprising of senior functionaries, survey of employees, training programmes on HPH, workshops on BMWs and seminar on Information, Education and Communication (IEC) on HPH and subsequent display of material. Around 35% participants

					were not vaccinated against hepatitis B, 23% had needle stick injury in past, and 35% were unaware of facilities available at PGI for their management.
24.	Knowledge and Skills of Health Service Providers and Immunization Programme Assessment in U.T Chandigarh: Is there any impact of immunization trainings? (Co-Investigator-1)	Mission Director, NRHM, U.T Chandigarh	Rs. 1,76,000	April 2011 to September 2011	The objective of the study was to assess the knowledge and skills of health service providers and immunization programme in U.T Chandigarh. Median knowledge scores of medical officers and health workers was around 60%. Median skill score of health workers was higher (88%) than the medical officers (60%).
25.	Evaluation of quality of statistics used in MD/PHD/ MSc theses in PGIMER, Chandigarh (Co- Investigator-1) (IM)	PGIMER Research Scheme	Rs. 65,000	April 2010 to March 2011	
26	Development and Evaluation of Comprehensive Epilepsy Education Programme for Chandigarh City, India (Principal Investigator) (IM)	PGIMER Research Scheme	Rs. 50,000	April 2010 to March 2011	The objective of the study was to develop and evaluate comprehensive epilepsy education programme for chandigarh city, India. A self instructional training manual on epilepsy was developed and published in Hindi ' <i>Mirgi ke bare main samanye tathye</i> ' and English 'Epilepsy and its Management' language and was distributed to the selected students. The endline knowledge and skills assessment was done after 2 months of administration of package. Although most (81%) of the students had heard/read about the epilepsy, but they had poor knowledge about the nature of disease. More than two third of the students viewed epilepsy as a mental illness.
27.	Compliance Monitoring of Section 6 of Cigarette and Other Tobacco Products Act in Una district of Himachal Pradesh (Principal Investigator) (LP 216)	International UNION	67,000	4 months (2013)	The objective of the study was to monitor compliance of section 6 of cigarette and other tobacco products act in Una district of Himachal Pradesh. 19.2% of vendors displayed signages stating 'Sale of tobacco products to persons below 18 years of age is punishable offence', however, none of them were as per section 6 (a) of COTPA. The signage board for Section 6 (b) stating 'prohibition on

					sale in radius of 100 yards' at the main gate or boundary' was displayed at 59% of educational institutions more in urban as compared to rural area. In 26.2% of the government and 29.1% of the private institutions, vendors were found selling tobacco products within 100 yards of institute's main gate or boundary. There was no visible sale of tobacco products in the campus.
28.	Assessment of Compliance of prohibition of advertisement at 'Point of Sale' as defined under Section-5 of COTPA 2003 and subsequent rules in District Mohali, Punjab (Principal Investigator) (LP 255)	International UNION	74,500	3 months (2013)	The objective of the study was to assess the compliance of prohibition of advertisement at Point of Sale' as defined under Section-5 of COTPA 2003 and subsequent rules in District Mohali, Punjab. Violation to Section 5 of COTPA was observed in nearly half of the surveyed Point of Sale (POS). Violation was comparatively less for promotional advertisement parameters (22.8%) and more for health warning parameters (82.2%). Violation was more in rural area, permanent shops and shops, which did not have tobacco as major business as compared to urban, temporary kiosks and other shops respectively.
29.	Assessment of compliance to Section-5 of COTPA in Cinema and Television in Chandigarh. (Principal Investigator) (LP 255)	International UNION	47,500	3 months (2013)	The objective of the study was to assess compliance to provisions of Section 5 of COTPA in films screened in cinema/ theatres/multiplexes and on television in Chandigarh. A total of 97 programmes in various television channels were screened to assess compliance to Section 5 of COTPA. The violation was more common in English and regional language programs on TV. A total of eight films were released during the study period. Overall 50% of the film were compliant to COTPA with disclaimer and anti-tobacco health spot in beginning and middle of film. The Government of India guidelines for its display was followed (i.e. the message was displayed in black font with white background). The films that had direct smoking scenes (2/8) had an average 6 scenes of smoking or tobacco chewing.

30.	Evaluation of <i>Janani Suraksha Yojana</i> Scheme in improving the proportion of institutional delivery in U.T Chandigarh. (Principal Investigator) (IM)	PGIMER Research Scheme	50,000	2 years (2012-14)	The objective of the study was to ascertain the extent of utilization status of JSY scheme in Chandigarh and to explore the perception and awareness of scheme among the eligible mothers. High level of knowledge about JSY program amongst the beneficiaries and basic health care providers was found however, only one third (38.6%) were uptake of JSY services. The main reasons reported for choosing delivering in the program were easily accessible facility (67%), faith on service provider (37%), and family pressure (22%). 60% of eligible beneficiary spent out of pocket expenditure for delivery, and only 37% utilized government transport for reaching hospital during delivery. 30% received payment between 2-4 weeks of getting discharged from hospital. The primary reasons for not choosing service were lots of documentation to receive a meager amount under JSY, delay in disbursement of JSY money and beneficiary living far off to collect the money.
31.	Evaluation of Comprehensive Epilepsy Education Programme for School Teachers in Chandigarh City, India (Principal Investigator) (LP 365)	Mission Director, NRHM, U.T Chandigarh	2,07,339	One year (2012)	The objective was to ascertain the knowledge and practices of school teachers and students regarding epilepsy and to assess the impact of epilepsy education package on their knowledge and practices. A booklet (in Hindi and English language) for school teachers and students was published and distributed. The skill based training of students and teachers of 104 schools across Chandigarh was imparted. There was statistically significant effect of intervention on their knowledge and skills. The cascading effect in form of skits, lectures, plays across different schools in Chandigarh on epilepsy was observed.
32.	Compliance monitoring of prohibition of smoking in a public place (under COTPA 2003 & its provisions) in Mansa	Tobacco Control Cell, Punjab	40,000	One month (2012)	The objective of present study was to assess compliance to prohibition of smoking in a public place (under COTPA 2003 & its provisions) in Mansa district of Punjab. Absence of

	district, Punjab' (Principal Investigator) (LP 418)				active smoking and presence of 'No Smoking' signages was observed in 92.3% and 75.8% public places respectively. Moreover, there was high knowledge about deleterious effects of smoking among residents and a high support for implementation of strict smoke free law. Based on our results, government of Punjab declared Mansa district as 'Smoke Free District'
33.	Compliance monitoring of prohibition of smoking in a public place (under COTPA 2003 & its provisions) in districts Rupnagar and Amritsar, Punjab' (Principal Investigator) (LP 446)	Tobacco Control Cell, Punjab	1,00,000	One month (2012)	The objective of the study was to assess compliance to section-4 of COTPA in three districts of Punjab. No active smoking was observed at 92.1% public places and 80.1% of places had displayed "No smoking" signage in Rupnagar district. The comparatively higher number of active smokers (14.7%) and cigarette/ bidi stubs (83.3%) was observed at transit sites, whereas least smoking activity was observed in health institutions (1.6%). In Amritsar district, absence of active smoking and presence of signages was observed in 95.0% and 76.5% public places respectively.
34.	Evaluation of two key strategies under NRHM (Delivery hut Scheme and 24 x 7 ambulance services for promoting institutional deliveries in Haryana. (Principal Investigator) (IM)	PGIMER Research Scheme	50,000	2 years (2011-13)	The objective of the study was to evaluate two key strategies under NRHM (Delivery hut Scheme and 24 x 7 ambulance services) for promoting institutional deliveries in Haryana. Around 80% of respondents were aware of delivery hut existence and 70% were able to access delivery hut scheme. Around 35% respondents choose this service as it was easily accessible in the village. 70% stated delivery hut services were available even in the odd hours of night. Around half (47.5%) reported ambulance condition was good, 50% have told hygienic condition was good and 50% were comfortable with useable condition of the ambulance, however, only 20% were happy about the behavior of ambulance staff. Around 42.5% of those who availed services of ambulance paid rent for the ambulance.
35.	Socio-epidemiological	Indian	31,89,080	2 years	The objective of the study was to

	Analysis of Recent Plague Outbreaks in India with special focus on Himachal Pradesh (Principal Investigator) (LP 1117)	Council of Medical Research, New Delhi		(2011-13)	conduct socio-epidemiological analysis of recent plague outbreaks in India with special focus on Himachal Pradesh. Information was obtained from Focus Group Discussions, In-depth Interviews, published & unpublished reports. Overall 243 rodents and 57 fleas from HP and 20 rodents and 85 fleas from Surat were collected from wild and domestic areas. Results indicated a close relationship between the frequency of human plague cases in H. P. in the year 1983 and 2002 and certain climatic variables. Study also pointed out suspected favorable factors for <i>Y. pestis</i> in the burrow soil samples of H. P., Gujarat and Maharashtra.
36.	Assessment of effectiveness of <i>Nischay Scheme</i> (provision of pregnancy detection kit) in early detection of pregnancy in State of Haryana (Principal Investigator) (LP 1112)	Indian Council of Medical Research, New Delhi	7,32,060	One year (2011-12)	The objective of the study was to assess effectiveness of Nischay Scheme in early detection of pregnancy in districts (Panchkula and Hisar) of Haryana. Awareness about this Nischay scheme amongst beneficiaries of district Panchkula was low, but high in Hisar. All the beneficiaries who were aware of the scheme had utilized Nischay kit and even advised their peers to use. There was no significant change in ANC parameters after launch of Nischay Scheme in both districts.
37.	Compliance Monitoring of Prohibition of Smoking in a Public Place (under COTPA act) in Mohali, Punjab (Principal Investigator) (LP 444)	International UNION	62,500	One month (2011)	The objective was to ascertain the level of compliance of general public to Section 4 (prohibition of smoking in a public place) under COTPA in Mohali. A total of 171 public places of district Mohali were randomly selected with equi-proportionate representation from three community development blocks. The study concluded that overall compliance rate in all the selected public places of Community Development Blocks was between 88-100%.
38.	Assessment of public opinion of prohibition of smoking at public places at Mohali (Principal Investigator) (LP 443)	International UNION	63,000	One month (2011)	The objective of the study was to assess the public support for smoke free initiatives undertaken in Mohali District, Punjab. Almost one third of studied population perceive that

					smoking gives pleasure, 86% believes smoking is harmful for health, 68% perceive that costs related to smoking as economic burden to family. There appears to be good knowledge and strong public support for effective measures to reduce exposure to tobacco smoke in public places.
39.	Development and Evaluation of Comprehensive Epilepsy Education Programme for Chandigarh City, India (Principal Investigator) (IM)	PGIMER Research Scheme	50,000	2 years (2010-12)	The objective of the study was to development and evaluate comprehensive epilepsy education programme for Chandigarh city, India. Knowledge about epilepsy was quite poor among the students of Chandigarh. The level of knowledge was almost similar among slums, urban and rural areas. An epilepsy educational programme for school children of Chandigarh was developed and distributed to selected schools of city.
40.	Measuring Patient Satisfaction about Outpatient Department Services: A Study to Improve Quality of Care at Public Health Facilities (Principal Investigator) (LP 1055)	Mission Director, NRHM, U.T Chandigarh	1,10,000	Nine months (2010-11)	The objective of the study was to determine the level of user satisfaction with O.P.D. services in public health facilities of Chandigarh. Overall patients' satisfaction on various parameters of quality of care was 86%. (sub centre- 95%, dispensary- 89.5%, CHC- 87.7%, GH- 83.8% and polyclinic-82%). Overall satisfaction score was significantly and positively associated with accessibility, waiting time, availability of manpower, physician's behaviour and basic amenities.
41.	Improving the Oral Health Status of Preschool Children in Anganwari Settings of Chandigarh (Principal Investigator) (LP 1069)	Mission Director, NRHM, U.T Chandigarh	1,36,250	Nine months (2010-11)	The objective of study was to compare the efficacy of two training packages (knowledge based vs. skill based) regarding oral health to <i>anganwari</i> workers (AWW) on oral health status and habits of preschool children attending <i>anganwari</i> centers (AWC). Prevalence of caries in children aged 3-6 years in <i>anganwaris</i> of Chandigarh was 48.3%. Overall knowledge score of AWWs in both the projects increased significantly post-intervention, however, the increase in skills was significantly more

					pronounced in skill based package. Caries susceptibility (by Snyder test) among children decreased from 48.2% pre-intervention to 31.2% post-intervention.
42.	Mapping Public Health Education Training in India: Institutions & Courses'(Principal investigator)	National Health System Resource Centre, New Delhi	3,00,000	One year (2008-09)	The objective of the study was to map public health education training in India. Institutes providing courses on public health education in Northern India was mapped by internet search followed by personal interview of head of institution/ related course. All the courses were affiliated with some university. The courses ranged from MD Community Medicine, Masters in Public Health, Masters in Hospital Administration, Msc Statistics, Msc nursing, M Phil, PHD Sociology etc.
43.	Migration and Morbidity Pattern among Residents in Chandigarh Slums (Co-Investigator)	Department of Science and Technology, U.T Chandigarh	Rs. 7,00,000	2005-2006	
44.	Impact of first aid training to students on their knowledge and skills (Principal Investigator)	IAPSM epidemiological Grant	Rs. 15,000	2004-2005	The objective of the study was to assess impact of first aid training to students on their knowledge and skills. Training manual on 40 common childhood illnesses and injuries entitled 'Swasthya Chalisa' was prepared and was distributed to all study students. In addition, group A was also provided with on-the-spot demonstration training session and increase in level of knowledge from pretest to posttest was observed and was greater for Group B than for Group A by 33%. Also, increase in level of skills from pretest to posttest was also greater for Group B than for Group A by 135%. Overall knowledge and skills increased to 43% in group B as compared to A.