

Name: Dr. Rajnarayan R Tiwari

Designation: Director

Date of Joining in ICMR: 26th June 2000

Educational Qualification:

Level	Board / University	Year
MBBS	Indira Gandhi Medical College, Nagpur Nagpur University, Nagpur	1994
MD (Preventive & Social Medicine)	Government Medical College, Nagpur Nagpur University, Nagpur	1997
M A (Public Administration)	Nagpur University, Nagpur	1998
M A (Economics)	Nagpur University, Nagpur	2001
M A (Sociology)	Nagpur University, Nagpur	2002
PhD (Life Sciences)	Gujarat University, Ahmedabad	2013
AFIH (Honorary)	Government of Gujarat (Mahatma Gandhi Labour Institute and Directorate of Industrial Safety and Health)	2013

Award/ Fellowship:

- 2015:** 1 Elected Fellow of Indian Association of Preventive and Social Medicine.
2 Elected Fellow of Indian Public Health Association.
- 2014:** 3 Awarded Dr. MK Seshadri Prize by Indian Council of Medical Research, New Delhi
- 2013:** 4 Awarded Honorary Associate Fellow in Industrial Health. Mahatma Gandhi Labour Institute and Directorate Industrial Safety and Health, Government of Gujarat, Ahmedabad
- 2012:** 5 Best paper award in GUJCON-12
- 2007:** 6 Best paper published in Indian Journal of Public Health award
- 2004:** 7 WHO fellowship (in country)
- 2000:** 8 Best paper published in Indian Journal of Community Health award

Membership:

1. Life member of Indian Association of Occupational Health
2. Life member of Indian Society for Medical Statistics
3. Life member of Agricultural Medicine and Rural Health in India
4. Life member of Indian Association of Preventive and Social Medicine
5. Life member of Indian Association of Epidemiologists
6. Life member of Indian Public Health Association
7. Life member of Indian Clinical Epidemiology Network
8. Life member Indian Association of Social Sciences and Health
9. Life member National Academy of Sciences (India)
10. Life member, National Academy of Medical Sciences (India)
11. Life member, National Academy of Environmental Sciences

Foreign Visits: CDC Atlanta, USA for Indo US JWG Meeting 12-14 April 2017

Thrust area/Specialization: Occupational Health, Environmental Health, Public Health

Publications:

1. Bhargava A, Tamrakar S, Aglawe A, Lad H, Srivastava RK, Mishra DK, Tiwari R, Chaudhury K, Goryacheva IY, Mishra PK. Ultrafine particulate matter impairs mitochondrial redox homeostasis and activates phosphatidylinositol 3-kinase mediated DNA damage response in lymphocytes. *Environmental Pollution* 2018; 234:406-419.
2. Bhargava A, Bunkar N, Aglawe A, Pandey KC, Tiwari RR, Chaudhury K, Goryacheva IY, Mishra PK. Epigenetic biomarkers for risk assessment of particulate matter associated lung cancer. *Current Drug Targets* 2018; 19:1127-1147.

3. Samartha RM, Khan T, Srivas S, Mishra PK, Tiwari RR. Evaluation of cyclophosphamide induced genotoxicity and cytotoxicity in cultured human lymphocytes. *Journal of Radiation and Cancer Research* 2018; 9: 28-32.
4. Saxena S, Tiwari RR, Kamath S, Guddattu V. Heat Burn Injuries in Indian kitchen: A Cross Sectional Study in Udupi City. *International Journal of Science and Research*, 2018 7(8):1233-1237
5. Bhargava A, Tiwari R, Sharma RS, Lohiya NK, Mishra PK. Nano-engineered dendritic cells: An alternate approach to target TRICs in gynecological malignancies. In *Molecular Medicine: Bench to Bedside and Beyond*. Published by Indian Society for the Study of Reproduction and Fertility, Jaipur, 2018: 279-287
6. Tripathi P, Kamath R, Tiwari R. Occupational health and role of gender: A study in Informal Sector Fisheries of Udupi, India. *Indian Journal of Occupational and Environmental Medicine* 2017; 21:45-50.
7. Adappa S, Tiwari RR, Kamath R, Guddattu V. Health Effects and Environmental issues in residents around Coal Fired Thermal Power Plant, Padubidri: A cross sectional study. *Journal of Environmental and Occupational Sciences* 2017; 6(1):8-11.
8. Tripathi P, Kamath R, Tiwari RR. Workplace violence and gender bias in unorganized fisheries of Udupi, India. *The International Journal of Occupational and Environmental Medicine* 2016; 7(3):181-185.
9. Tiwari RR. Silica exposure and effect on Peak Expiratory Flow rate: Slate pencil workers' study. *Respiratory Care* 2016; 61 (12): 1659-1663.
10. Tiwari RR, Sharma A, Zodpey SP. Occupational health training in India: Need for a competency based approach. *Indian Journal of Occupational and Environmental Medicine* 2016; 20:39-43.
11. Tiwari RR, Saha A. Knowledge and attitude regarding asbestos hazards among asbestos workers. *The International Journal Occupational and Environmental Medicine* 2015; 6(1):58-60.
12. Tiwari RR. Agreement between chest radiography and High Resolution Computed Tomography in diagnosing dust related interstitial lung fibrosis. *Toxicology and Industrial Health* 2015; 31(3):235-238.
13. Tiwari RR, Sharma A, Zodpey SP, Patel S. Occupational Health Nursing in India: Stakeholder's perspective. *Journal of Environmental and Occupational Sciences* 2015; 41(2): 111-113.
14. Tiwari RR, Patel S. Mercury disposal awareness, attitude and practices in students from government and private run nursing colleges of Ahmedabad, India. *Journal of Environmental and Occupational Sciences* 2015; 4(3):141-144.
15. Tiwari RR. Situational analysis of occupational health issues of restaurant and dhaba workers. *Occupational Medicine and Health Affairs* 2015; 3(6): 1000224. <http://dx.doi.org/10.4172/2329-6879.1000224>.
16. Tiwari RR, Sharma A, Zodpey SP, Patel SP. Situational analysis of Industrial hygienists in India. *Indian Journal of Occupational and Environmental Medicine*. 2015; 19:90-94.
17. Wagle S, Kamath R, Tiwari RR, Maiyya S. Ocular Morbidity among Students in Relation to Classroom Illumination Levels. *Indian Pediatrics* 2015; 52:783-785.
18. Banerjee M, Kamath R, Tiwari RR, Nair NS. Dermatological and respiratory problems in migrant construction workers of Udupi, Karnataka. *Indian Journal of Occupational and Environmental Medicine* 2015; 19:125-128.
19. Malamardi SN, Kamath R, Tiwari R, Nair BV, Chandrasekaran V, Phadnis S. Occupational Stress and Health Related Quality of life among public sector bank employees-A cross sectional study at Mysore. *Indian Journal of Occupational and Environmental Medicine* 2015; 19:134-137.
20. Tiwari RR, Saha A. An epidemiological study of low back pain among oil drilling workers in India. *Toxicology and Industrial Health*, 2014;30:60-63

21. Tiwari RR, Saha A. Morbidity profile of child labour at gem polishing units of Jaipur, India. *The International Journal Occupational and Environmental Medicine*, 2014; 5(3):125-129.
22. Majumder J, Tiwari RR, Kotadiya S. Healthy workplace intervention: Scope of Basic Occupational Health Services (BOHS) in informal occupations in India. *Asia Pacific Newsletter on Occupational Health and Safety* 2014; 21:53-55.
23. Tiwari RR, Saha A. Awareness and handling practices of asbestos in asbestos workers. *Journal of Environmental and Occupational Sciences* 2014; 3(4):186-189.
24. Tiwari RR, Sharma A, Zodpey SP, Khandare SM. Does occupational health nursing exist in India? *Indian Journal Occupational and Environmental Medicine* 2014; 18(3):113-117.
25. Tiwari RR, Sharma K, Zodpey SP. Situational analysis of nursing education and work force in India. *Nursing Outlook* 2013; 61:129-136.
26. Sharma K, Zodpey SP, Tiwari RR. Need and supply gap in occupational health manpower in India. *Toxicology and Industrial Health*, 2013; 29: 483-489.
27. Tiwari RR. Eyestrain in working children of footwear making units of Agra, India. *Indian Pediatrics* 2013; 50:411-13.
28. Tiwari RR, Saha A, Sathwara NG, Parikh JR. Blood chromium levels of children working in gem polishing industries in India. *Toxicology and Industrial Health* 2012; 28:170 - 173.
29. Tiwari RR, Saha A, Parikh JR. Asthenopia (Eyestrain) in working children of gem polishing industries. *Toxicology and Industrial Health*. 2011, 27(3): 243-247
30. Patel S, Tiwari RR, Murarka S, Kumar S. Knowledge and attitude regarding mercury handling and disposal in students. *Waste Management and Research*. 2011, 29: 714-726
31. Kokane S, Tiwari RR. Occupational health problems of highway restaurant workers of Pune, India. *Toxicology and Industrial Health* 2011; 27:945-948.
32. Zodpey SP, Negandhi H, Tiwari RR. Online resources for occupational health physicians. *Indian Journal of Occupational and Environmental Medicine* 2011; 15:3-5.
33. Tiwari RR, Karnik AB, Sharma YK. Silica exposure and serum Angiotensin Converting Enzyme activity. *International Journal of Occupational and Environmental Medicine* 2010; 1:21-28.
34. Shah Kartik, Tiwari RR. Occupational skin problems in construction workers. *Indian Journal of Dermatology*. 2010, 55(4): 348-51.
35. Tiwari RR, Raj Narain, Sharma YK, Kumar S. Comparison of respiratory morbidity between present and ex-workers of quartz crushing units: Healthy workers' effect. *Indian Journal of Occupational and Environmental Medicine*. 2010, 14(3): 87-90.
36. Tiwari RR. Visual Display Terminal usage and adverse pregnancy outcomes: An overview. In *Environmental and Occupational Exposures: Reproductive Impairment*, Eds. Sunil Kumar and RR Tiwari, Daya Publishing House, New Delhi, 2010:382-394
37. Tiwari RR, Bhatia KR, Lakkad BC. Communicable disease surveillance during Gujarat, India earthquake, 2001: A survey. *The Open Public Health Journal* 2009; 2:7-10.
38. Tiwari RR, Saha A, Parikh JR, Saiyed HN. Respiratory morbidities among working children of gem polishing industries, India. *Toxicology and Industrial Health* 2009; 25:81-84.
39. Zodpey SP, Negandhi H, Tiwari RR. Mapping "Occupational health" courses in India: A systematic review. *Indian Journal of Occupational and Environmental Medicine* 2009, 13(3): 135-140.
40. Tiwari RR, Sharma YK. Respiratory health of female stone grinders with free silica dust exposure in Gujarat, India. *International Journal of Occupational and Environmental Health* 2008; 14:280-282.
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44. Tiwari RR. Occupational health hazards in sewage and sanitary workers. *Indian Journal of Occupational and Environmental Medicine* 2008; 12(3): 112-115.
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46. Bhagia LJ, Tiwari RR, Sharma YK, Saiyed HN. Silicosis and its control in small-scale silica mills in India. *WHO GOHNET*; 12, 2007:12-15.
47. Tiwari RR, Sharma YK, Saiyed HN. Tuberculosis among workers exposed to free silica dust. *Indian Journal of Occupational and Environmental Medicine* 2007; 11(2): 58-61.
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50. Tiwari RR. Vector borne diseases: An overview in Indian context. *The Antiseptic* 2006; 103 (4): 215-217.
51. Tripathi SR, Tiwari RR. Self-reported hearing quality of traffic policemen: A questionnaire based study. *Indian Journal of Occupational and Environmental Medicine* 2006; 10(2): 77-79.
52. Khandekar SP, Bagdey PS, Tiwari RR. Oral cancer and some epidemiological factors: A hospital based study. *Indian Journal of Community Medicine* 2006; 30(3): 157-159.
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55. Tiwari RR. Child labour in footwear industry: Possible occupational health hazards. *Indian Journal of Occupational and Environmental Medicine* 2005; 9: 7-9.
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57. Tiwari RR, Saiyed HN. Climate change: Potential health effects. *The Antiseptic* 2005; 102 (5): 280-285.
58. Tiwari RR. Biomarkers of silicosis: Potential candidates. *Indian Journal of Occupational and Environmental Medicine* 2005; 9:103-106
59. Tiwari RR, Sharma YK, Karnik AB, Sathwara NG, Saiyed HN. Serum Angiotensin Converting Enzyme activity and serum copper levels in covert silicosis. *Indian Journal of Occupational and Environmental Medicine* 2005; 9:115-117.
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61. Sangole SS, Tiwari RR, Sadgun VL. A study of low back pain among employees of Oil and Natural Gas Corporation, Assam Asset. *IPSHEM Digest*, July-Dec 2005:7-15.
62. Saiyed HN, Tiwari RR. Occupational Health Research in India. *Industrial Health* 2004; 46(2):141-148.
63. Tiwari RR, Saha A, Parikh JR, Saiyed HN. Injuries and injury care among child labourers in gem polishing industries in Jaipur, India. *Journal of Occupational Health* 2004; 46(3): 216-219.
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71. Tiwari RR. Environmental risk factors: a study in Kutch region. *Indian Journal of Medical Sciences* 2002; 56 (3): 130-132.
72. Raj Narain, Tiwari RR. Personal protective devices: reasons for non-usage among stone quartz workers. *Indian Journal of Occupational Health* 2002; 45: 25-28.
73. Shendre MC, Tiwari RR. Social risk factors for sexually transmitted diseases. *Indian Journal of Dermatology, Venereology and Leprology* 2002; 68 (1): 25-27.
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76. Tiwari RR, Rajmohan HR, Dave SK, Saiyed HN. Care of burns: A knowledge, attitude and practice study among match industry workers. *Indian Journal of Medical Sciences* 2001; 55(11): 600- 603.
77. Tiwari RR, Zodpey SP, Agrawal SB. Factors responsible for irregular post exposure prophylaxis for animal bites. *Journal of Communicable Diseases* 2001; 33(2): 151-154.
78. Tiwari RR, Pathak MC, Zodpey SP, Babar VY. Morbidity profile of cotton textile workers. *Indian Journal of Community Medicine* 2001; XXVI: 26-30.
79. Tiwari RR, Khandare SM. Occupational Health Nurse – an overview. *The Nursing Journal of India* 2001, LXXXII: 180-181.
80. Zodpey SP, Tiwari RR. Risk factors for haemorrhagic stroke: a case - control study. *Public Health* 2000; 114: 117-122.
81. Zodpey SP, Tiwari RR. Gender differentials in the social and family life of leprosy patients. *Leprosy Review* 2000; 71: 505-510.
82. Tiwari RR, Kulkarni PN, Ingole SD. Animal bites: Factors for delay in post – exposure prophylaxis. *Indian Journal of Medical Sciences* 2000; 6: 233 – 237.
83. Tiwari RR, Shendre MC. Use of disposable syringes and needles – beneficiaries' opinion. *The Antiseptic* 2000; 97(4): 133 – 134.
84. Tiwari RR, Zodpey SP. Peak expiratory flow rate among sports persons. *Indian Journal of Occupational and Environmental Medicine* 2000; 4: 37 – 38.
85. Tiwari RR, Pathak MC, Zodpey SP. Determinants of Peak Expiratory Flow Rate among cotton textile workers. *Indian Journal of Occupational Health* 2000; 43: 127 -132.
86. Tiwari RR, Thorat DM, Khandare SM, Francis E. AIDS awareness among student nurses. *Indian Journal of Occupational Health* 2000; 43: 77 – 80.
87. Zodpey SP, Tiwari RR. Use of anticoagulants / antiplatelets and risk of haemorrhagic stroke. *South Asian Journal of Preventive Cardiology* 2000; 4: 16-18.
88. Tiwari RR, Patel TS, Karnik AB, Dave SK. Drinking water chlorination status in earthquake affected villages of Kutch district. *Indian Journal of Community Health* 2000; 6(1-2): 30-36.
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91. Tiwari RR, Zodpey SP. Appraisal of abstracts published in the souvenir of National Conference of IAPSM held during October 1997. *Indian Journal of Community Health* 1998-99; 4(2) & 5(1): 25– 31.
92. Tiwari RR, Kulkarni PN. Delayed immunization against vaccine preventable diseases- factors responsible among children under 5 years of age. *Indian Journal of Medical Sciences* 1999; 53(5): 212- 215.
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94. Tiwari RR, Pathak MC, Zodpey SP. Haematological profile in cotton textile workers. *The Antiseptic* 1999; 95 (12): 432 - 433.
95. Tiwari RR, Zodpey SP. Respiratory morbidity among flour mill workers. *Indian Journal of Occupational and Environmental Medicine* 1999; 2 (4): 187 - 189.
96. Tiwari RR, Zodpey SP, Deshpande SG, Ughade SN, Vasudeo ND. Respiratory morbidity in handloom weavers. *Indian Journal of Occupational and Environmental Medicine* 1999; 3 (2): 71–73.
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99. Tiwari RR, Pathak MC, Babar VY. Morbidity profile among medical and dental college new entrants. *Indian Medical Gazette* 1999; CXXXIII (6): 205 – 207.
100. Tiwari RR, Kulkarni PN, Ganveer GB. Wound care in animal bites. *The Antiseptic* 1999; 96(6): 236- 237.
101. Tiwari RR, Zodpey SP. Use of smokeless tobacco – a community based study of behaviour, attitudes and beliefs. *WHO Regional Health Forum* 1999; 3(1): 35- 39.
102. Tiwari RR. AIDS: Counsellors' view. *Indian Journal of Sexually Transmitted Diseases* 1999; 20: 50- 52.
103. Tiwari RR, Zodpey SP, Khandare SM, Moze VD. AIDS awareness among registered public health nurses. *The Nursing Journal of India* 1999; LXXX: 269,284.
104. Tiwari RR, Zodpey SP. Knowledge and practices of urban and rural high school children regarding minor injuries. *Indian Journal of Community Health* 1999; 5(2): 6 - 11.
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107. Tiwari RR, Zodpey SP, Deshpande SG, Vasudeo ND. Peak expiratory flow rate among handloom weavers. *Indian Journal of Physiology and Pharmacology* 1998; 42 (2): 266 – 270.
108. Zodpey SP, Tiwari RR. Appraisal of abstracts submitted for presentation during conference of IAOH. *Indian Journal of Occupational and Environmental Medicine* 1998; 2 (3): 173 – 176.
109. Tiwari RR, Sune PG. Ocular morbidities among steel industry workers. *Indian Journal of Occupational Health* 1998; 40 (4): 18 – 22.
110. Tiwari RR, Pathak MC, Zodpey SP. Varicose veins among cotton textile workers. *Quarterly Journal of Surgical Sciences* 1998; 34 (384): 111 – 115.
111. Deshpande SG, Tiwari Raj. Self-medication – A growing concern. *Indian Journal of Medical Sciences* 1997; 51 (3): 93- 96.
112. Zodpey SP, Maldhure BR, Shrikhande SN, Tiwari RR. Effectiveness of Bacillus Calmette Guerin (BCG) vaccination against tuberculosis meningitis: A case- control study. *JIMA* 1996; 94(9): 338–340.

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Photograph

