

Name of the faculty : Dr. Sushil Singh

Designation: Associate Professor

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Educational Qualifications :

Ph.D(Management),MBA(Marketing),M.SC(Physics) with specialization in digital electronics, MA(Psychology),Diploma in System Analysis & Data Processing, One year certificate course in Entrepreneurship.

Total experience : 38 years

Academic:14 yrs. Research:36 yrs

Brief profile: Doctorate in management with 38 years of experience in research and academics as well. My area of expertise is marketing and IT.

RESEARCH PAPER:

In peer reviewed Journals -

1. Singh S, Tiwari R R , Banerjee N, Prakash A. Agreement between morbidities patterns rendered by questionnaire based survey and verification by medical officer in cohort based long term epidemiological study. National Journal of Community Medicine,2019,10(2):69-74.
2. Singh S, Banerjee N. Infant mortality and their causes among MIC leak exposed cohort in 1984:24 years of Experience. International Journal of Recent Scientific Research, 2018;V9,8E,PP 28594-28598.
3. Mishra B, Banerjee N,Singh S, Tiwari SC.An Epidemiological study of symptomatic morbidities in localities around solar Evaporation ponds and behind Union Carbide Factory ,Bhopal. National Journal of Community Medicine, 2013;&(4):588-593.
4. Banerjee N,Mishra B, Singh S, Sharma M. Epidemiological study of mortality and symptomatic morbidities among MIC leak Exposed Cohort in 1984:24 years of Experience. Journal of Evaluation of Medical and Dental Sciences, 2014;3(1):147-157.
5. Singh S. Managerial planning, strategies and implications of rehabilitation programme and compensation in reference to Bhopal Gas Disaster. Journal of Environmental Research and Development 2018;V13,N01:26-33.
6. Soni K.K, Singh S, 2019. Impact of climate on mental health of people. Journal of medical science and clinical research, Vol 7, Issue 01, 342-346.
7. Soni K.K, Banerjee A, Singh S, 2019. Gene-Environment interaction in Type II Diabetes, International Journal of medical science and current research, Vol 2, Issue 01, 04-08 .

8. Soni KK, Singh S. Genes Expression in Type 1 Diabetes: An update 2019 International Journal of Medical Science and Clinical Invention,6(2):4327-4331,2019 DOI:10.18535/ijmsci/v6i2.09.
9. Soni KK, Singh S. Risk of Congenital Malformations: A Systematic Review 2019 International Journal of Medical Science and Clinical Invention 6(01:4278-4282,2018. DOI:10.18535/ijmsci/V6i01.08.
10. Banerjee N, Banerjee A, Sabde Y, Tiwari RR, Prakash A, Singh S et al. Morbidity profile of Communities in Bhopal City (India) vis-a-vis distance of residence from Union Carbide India Limited plant and drinking water usage pattern. Journal of Post Graduate Medicine, 2020, V66(2):73-80.
11. S.De, D. Shanmugasundaram, S. Singh, N. Banerjee, K.K. Soni, R. Galgalaker, Chronic respiratory morbidities in the Bhopal Gas Disaster Cohorts: a time-trend analysis of cross sectional data (1986-2016). Public Health, 186(2020), 20-27, Doi:10.1016/j.puhe.2020.06.043.
12. M. Sharma, S. Singh, K.K. Soni, Multiple water sources use in rural area: are households having the safest option for drinking?. Galore International Journal of health Sciences and Research, 186(2020), 20-27, Doi: <https://doi.org/10.52403/gijhsr.10.1016/j.puhe.2020.06.043>. 2022 vol.7; issue:1.
13. M. Sharma, S. Singh, K.K. Soni, Nature-based interventions in institutional and organisational setting: A scoping review. International journal of scientific research, 2022, V11, issue-04:273-80.
14. Soni KK, Madhanraj K, Sabde Y, Tiwari RR., Singh S, Prevalence of Chronic Kidney Disease among severely gas exposed cohort survivors in Bhopal, India. National Medical Journal of India 2023, 36:00-0 doi:10.252549/nmji_569_20.
15. S. Singh, D. Raj, Y. D. Sabde, Madanraj K., R. R. Tiwari, Survival analysis for cohort of Bhopal Gas victims during 1985-2015. Indian Journal of Occupational and Environmental Medicine 2023; 27:219-25.

Reports-

1. Editor, Technical Report "Long term population based Epidemiological Study part-II (1996- 2010).

papers presented in conferences/proceedings-

1. Singh S, Banerjee N, Soni KK, Galgalekar R., Prakash A, Tiwari R R. Morbidity Differentials in affected and control area in reference to socio-economic parameters in cohort population, Presented in the 35th Annual

Conference of Indian Society for Medical Statistics at SGPGI, Lucknow during 2-4th November 2017.

2. Singh S, Banerjee N , Soni KK, Galgalekar R, Sharma M ,Prakash A. Persistently High All Cause Morbidities in the Exposed Survivors Following 1984 Industrial Gas Disaster in Bhopal, presented in International society for Environmental Epidemiology conference (1 September-4 September, 2016) organized by International society for Environmental Epidemiology at Rome , Italy.
3. S. Singh, N. Banerjee, Y. Sabde, R.R. Tiwari, A.Prakash. Lessons from Bhopal and Scientific base for avoiding Bhopal like Disaster. In Climate Change Impacts, Adaptation and Mitigation 2017, Spectrum Publications, Hyderabad (ISBN 978-93-82829-13-3).
4. Singh S, Banerjee N. Comparison of Mortality trend among cohort of Bhopal gas victim for two set of decadal observation(1985-94 and 1996-2005), Presented in the 30th Annual Conference of Indian Society for Medical Statistics at DMCH, Ludhiana during 6-8th November 2012.
5. Singh S, Banerjee N. Comparison of morbidity trend among cohort of Bhopal gas victim for two set of decadal observation(1985-94 and 1996-2005) , Presented in the 29th Annual Conference of Indian Society for Medical Statistics at NIRT, Chennai during 3-5th November 2011.
6. Singh S, Banerjee N. Linking clinical, toxicologic and epidemiologic data in the Bhopal MIC-exposed cohort in the Cohorts and Consortia :From Biotechnology to Population, Presented in conference 2009 at Banff, Alberta, Canada, during 17-19th June 2009.
7. Singh S, Banerjee N. Statistical and Epidemiological Dimensions in Health Management and Medical Research in Bhopal MIC Exposed Cohort , Presented in the 27th Annual Conference of Indian Society for Medical Statistics at BHU, VARANASI during 27-29th November 2009.
8. Singh S, Banerjee N. Epidemiological Study on Cancer through Tobacco habits , Presented in the Ist National Conference on Tobacco Control at Tata Memorial Mumbai, during 26-29th January 2006.
9. Dubey KK, Singh S, Banerjee N. Methodological issues for planning the epidemiological studies for Bhopal Gas Victim, Presented in the XI Annual Conference of Indian Society for Medical Statistics at Andhra University Visakhapatnam during 18-20th October 1993.
10. Tiwari OP, Singh S, Banerjee N. Management of database, following a disaster, through, computers , Presented in the XI Annual Conference of Indian Society for Medical Statistics at Andhra University Visakhapatnam during 18-20th October 1993.

- 11 Singh S, Banerjee N. Persistently high respiratory morbidity after Gas disaster in Bhopal , Presented in the 33rd Annual Conference of Indian Society for Medical Statistics at KLE University, Belagavi during 16-18th November 2015.
12. Singh S, Banerjee N. Assessment and Management of Chronically ill patients of Bhopal Gas Disaster, Presented in the 28th Annual Conference of Indian Society for Medical Statistics at NIHFWS, New Delhi during 11-13th November 2010.
13. Singh S, Banerjee N. Planning , Research, Evaluation and Monitoring of Compensation Disbursement in reference to Bhopal Gas Disaster, Presented in the 22nd Annual Conference of Indian Society for Medical Statistics at JIPMER, Pondicherry during 21-23rd January 2005.

ABSTRACT PUBLISHED

- a) Singh S, Banerjee N. Abstract of research paper titled ”Persistently high all cause morbidities in the exposed survivors following 1984 Industrial Gas Disaster in Bhopal” published in Journal of Environmental Health Perspectives (EHP), 2016 Conference/Abstract Number: P3-342/ID:4295, Impact factor: 8.31
- b) Singh S, Banerjee N. Abstract of research paper titled ” Persistently high respiratory morbidity 25 years after Bhopal disaster” published in Journal of Environmental Health Perspectives (EHP), ISEE Conference Abstracts/Volume 2015, issue 1, Impact factor: 8.31

Awards/Honors : - International Travel Grant by ICMR in year 2016.
 - International Travel Grant by MPCST in year 2016.

Training Courses attended:-

Course/Title	Deputed /Voluntary	From	To	Institution
Climate change Appreciation course	Deputed	16-08-2018	20-08-2018	EPCO, and MPCDM, Bhopal
Workshop on ”Simplified Secrets of GIS for Beginners”	Deputed	16-03-2018	16-03-2018	ICMR-NIREH, Bhopal
Workshop on ”Public Health Dynamics Workshop (PHD 2018) “	Deputed	04-03-2018	07-03-2018	ICMR ,Headquarter, New Delhi
SPSS online training programme	Deputed	09-06-2017	08-12-2017	ICMR-NIREH, Bhopal

Training for “e-office users”	Deputed	16-08-2017	16-08-2017	ICMR-NIREH, Bhopal
Workshop on ”Statistical Methods in Bio-Medical Research”	Deputed	11-05-2016	13-05-2016	NIOH, Ahmedabad
Workshop on “OSP on Training of Liasion Officers for SCs/Sts for ICMR”	Deputed	16-04-2015	17-04-2015	Institute of Secretariat Training and Management, New Delhi
Workshop on Research Methodology	Deputed	12-03-2015	15-03-2015	BMHRC, Bhopal
“Training cum awareness programme”,The Programme covered internet ,Biomedical and Health Information resources.	Deputed	19-02-2014	19-02-2014	Biolographic Division ,National Informatics Centre, New Delhi
Training programme on J Gate Plus	Deputed	05-06-2014	05-06-2014	NIOH, Ahmedabad
Attended Haemo vigilance Programme of India	Deputed	08-06-2014	08-06-2014	BMHRC, Bhopal
Workshop on Research Methods in Medical Sciences	Deputed	04-04-2013	07-04-2013	AIIMS ,Bhopal
Workshop on “Statistical Methods for Bioinformatics”	Deputed	02-11-2011	02-11-2011	pre Conference (XXIX Annual Conference ISMS) at NIRT, Chennai
Organizer for International Quit & Win Contest - 06 at Bhopal for Smoking Cessation.	Voluntary	2006		Coordinated by National Public Health Institutes, Finland and supported by WHO
Attended Seminar on “Linux Implementation : Roadmap to Success” at Bhopal	Deputed	22-11-2003	22-11-2003	PHD Chamber of Commerce and Industry.
Attended Workshop on “Strategies for Effective Implementation of	Voluntary	31-05-2006	31-05-2006	Organised by Voice,New Delhi with

Tobacco Control Law”				support of Govt. of India.
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Short-term courses :

- Diploma(3 months) in Computer science from SECT, Bhopal.
- FORTRAN Programming course(one month) from MACT (R.E.C.), Bhopal.
- COBOL Programming course(6 weeks) from MPCON ,Bhopal.
- Application development on PC course(2 weeks) from CMC, New Delhi.
- "C" language course(6 weeks) from MACT Bhopal.
- Computer hardware Course(one month) from MP-STEP, MACT, Bhopal.
- Attended training programme on 'Digital Marketing and E-commerce' from MSME, IGTR, Indore.

Membership of Professional Societies

1. Indian Society for Medical Statistics.
2. International Epidemiological Association.
3. International Society for Environmental Epidemiology.
4. Indian Society for Training & Development.
5. Action Council against Tobacco India.

Research Management:-

- No. of Extramural/Intramural project handled-12
- No. project work guided to MBA course - 20

Details of projects (2011-2023) handled at ICMR-NIREH,Bhopal

- 1- Linking and analyses of existing ICMR databases(1985-2015) of epidemiological , clinical, toxicological and genetics studies on Bhopal gas victims.
- 2- Long term Epidemiological studies on the health effects of toxic gas exposure
- 3- A study on the prevalence of the morbidity of selected population /families with reference to drinking water utilization.
- 4- A cross sectional study on current status of MIC affected individual of Bhopal.
- 5- Prevalence of CKD in severely Exposed cohort populations in Bhopal.
- 6- Assessment of the Utilization and Socio-Economic benefits of Pradhan Mantri Ujjawala Yojna Scheme Beneficiaries of Sehore District
- 7- The impact of Environmental Factors on Quality of Life of elderly people using LASI -wave 1dataset.
- 8- Climate variability and its impact on vector-borne diseases - A GIS modelling of different climatic zones of India" (Multi-site Collaborative Project under DHR Extramural funding)
- 9- Long term genetic effects of MIC gas ,if any ,on the Bhopal Population Exposed in December,1984
- 10-Characterization of prevailing chronic respiratory morbidities among severely gas

exposed population of Bhopal.

- 11- Effectiveness of institutional versus domiciliary implementation of standard pulmonary rehabilitation module in Bhopal gas exposed survivors having COPD
- 12- Mental health related projects: Follow up of Psychiatric Morbidity after 30 years of exposure.