

Sharayu Mhatre, Ph.D.

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Education :

Degree	Institute /College	University	Year of Passing	Subject	Percentage
Ph.D.	Homi Bhabha National Institute	Homi Bhabha National Institute	August - 2016	Epidemiology	N/A
M.Sc	Ramniranjan Jhunjunwala College	Mumbai University	April-2008	Biotechnology	66.50%
B.Sc	Ramniranjan Jhunjunwala College	Mumbai University	March-2006	Biotechnology	60.60%

Work Experience

Appointment	Institute /College	Specialization	From Year	To Year
Junior Research Fellow	Centre For Cancer Epidemiology, CCE	Epidemiology	2009	2011
Senior Research Fellow	Centre For Cancer Epidemiology, CCE	Epidemiology	2011	2014
Scientific Officer D, OIC – Division of Molecular Epidemiology & Population genetics	Centre For Cancer Epidemiology, CCE	Epidemiology	2014	May 2020
Scientific Officer E, OIC Division of Molecular Epidemiology & Population genetics	Centre For Cancer Epidemiology, CCE	Epidemiology	July 2020	Till to date

Current work :

Grant Title	Role on Project	Funding Source	Project Period
Genome-Wide Association Study to Identify Role of Genetic Susceptibility in Buccal Mucosa Cancer	PI	Department of health research, Gov of India	2018 – to till date
Evaluating the role of genetic susceptibility for Oropharynx Cancer in Indian origin population: a case control study using the candidate gene approach	PI	ASCO	2019- to till date
Prevalence of Gallstone diseases in the regions with high and low incidence of gall bladder cancer: current status and future perspective for gallbladder cancer prevention	PI	Intramural	2018 – to till date
Obesity and non-communicable disease in India: an imaging study of 10,000 adults in the Indian Study of Healthy Ageing (ISHA cohort study)	PI	CTSU UK, UNIVERSITY OF OXFORD	Not started
Role of water pollution in development of esophageal cancer: a case-control stratified by high and low risk regions.	Co-PI	Department of health research, Gov of India	2020 – to till date
Development of breast cancer risk prediction model using lifestyle factors and polygenic risk score in Indian population	Co-PI	NCI	2019-till date
Lifestyle and genetic risk factors for gallbladder cancer: multicentre case control study	CO-I	National Cancer Grid	2018 – to till date

Past work :

- Gallbladder Cancer case control study : Study design and conduct Questionnaire , GWAS, Helicobacter pylori serology data analysis(PI: Dr.Rajesh Dikshit)
- Breast Cancer case control study: Genotyping, questionnaire and candidate gene data analysis(PI: Dr.Rajesh Dikshit)
- Lung Cancer Case Control study (non-smokers): Data collection and questionnaire based data analysis (PI: Dr.Rajesh Dikshit)
- Barshi Cohort study : Study design, development and training (PI: Dr.Rajesh Dikshit)

Awards, Fellowships and Membership of professional bodies :

- I have participated in the EEPE 23rd residential summer course on epidemiology that was held in Florence, Italy from 21st June to 9th July 2010. I had received fellowship from EEPE for participation in the course
- Union for International Cancer Control (UICC) has awarded me “Technology transfer fellowship” in the Year of 2010-2011. I have utilized my fellowship to acquire training in high throughput genotyping platform at Mount Sinai School of Medicine, New York, U.S.A.

- Fellowship from U.S. National Cancer Institute (NCI) has awarded to support Short -term training on Molecular Epidemiology, June 2015.

Contributions towards setting up of new unit/ specialty/ service/ laboratory/programs

- Actively participated in setting up Molecular Epidemiology facility at Center For Cancer Epidemiology ,Kharghar
- Developing GWAS facility , designing and developing required Quality control pipelines and computational infrastructure , analysis of GWAS dataset
- Advancing facility required for studying infectious etiology and biochemical studies
- Developing the Sequencing facility, designing and deveining the required quality control pipelines and computational infrastructure analysis of sequence data

Academic Contributions:

- Conducting the lecture of MPHE
- Conducting the lecture of MSc Clinical research
- Guided to MPHE students for their dissertation

Additional Skills:

- IT: Microsoft Word (expert), PowerPoint (expert).
- Statistical Software : STATA(expert), PLINK(expert) ,R-PACKAGE

Publications:

1. Mhatre S, Wang Z, Nagrani R, Badwe R, Chiplunkar S, Mittal B, Yadav S, Zhang H, Chung CC, Patil P, Chanock S, Dikshit R, Chatterjee N, Rajaraman P. Common genetic variation and risk of gallbladder cancer in India: a case-control genome-wide association study. *Lancet Oncol.* 2017 Apr;18(4):535-544. doi: 10.1016/S1470-2045(17)30167-5. Epub 2017 Mar 5. PubMed PMID: 28274756.
2. Nagrani R, Mhatre S, Rajaraman P, Chatterjee N, Akbari MR, Boffetta P, Brennan P, Badwe R, Gupta S, Dikshit R. Association of Genome-Wide Association Study (GWAS) Identified SNPs and Risk of Breast Cancer in an Indian Population. *Sci Rep.* 2017 Jan 18;7:40963. doi: 10.1038/srep40963. PubMed PMID: 28098224; PubMedCentral PMCID: PMC5241870.
3. Nagrani R, Mhatre S, Rajaraman P, Soerjomataram I, Boffetta P, Gupta S, Parmar V, Badwe R, Dikshit R. Central obesity increases risk of breast cancer irrespective of menopausal and hormonal receptor status in women of South Asian Ethnicity. *Eur J Cancer.* 2016 Oct;66:153-61. doi: 10.1016/j.ejca.2016.07.022. Epub 2016 Aug 27. PubMed PMID: 27573429; PubMed Central PMCID: PMC5040194.
4. Mhatre SS, Nagrani RT, Budukh A, Chiplunkar S, Badwe R, Patil P, Laversanne M, Rajaraman P, Bray F, Dikshit R. Place of birth and risk of gallbladder cancer in India. *Indian J Cancer.* 2016 Apr-Jun;53(2):304-308. doi:10.4103/0019-509X.197723. PubMed PMID: 28071634. Nagrani R, Mhatre S, Boffetta P, Rajaraman P, Badwe R, Gupta S, Romieu I, Parmar V, Dikshit R. Understanding rural-urban differences in risk factors for breast cancer in an Indian population. *Cancer Causes Control.* 2016 Feb;27(2):199-208. doi: 10.1007/s10552-015-0697-y. Epub 2015 Nov 20. PubMed PMID:26589416.
5. Nagrani RT, Budukh A, Koyande S, Panse NS, Mhatre SS, Badwe R. Rural urban differences in breast cancer in India. *Indian J Cancer.* 2014 July-September;51(3):277-281. doi: 10.4103/0019-509X.146793. PubMed PMID: 25494122. Dikshit RP, Mathur G, Mhatre S, Yeole BB.
6. Dikshit RP, Mathur G, Mhatre S, Yeole BB. Epidemiological review of gastric cancer in India. *Indian J Med Paediatr Oncol.* 2011 Jan;32(1):3-11
7. Kumar A, Mhatre S, Godbole S, Jha P, Dikshit R. Optimization of extraction of genomic DNA from archived dried blood spot (DBS): potential application in epidemiological research & bio banking. *Gates Open Res.* 2019;2:57. Published 2019 Nov 14. doi:10.12688/gatesopenres.12855.3
8. Phadke, Prachi & Mhatre, Sharayu Sitaram & Budukh, Atul & Dikshit, Rajesh. (2019). Trends in gallbladder cancer incidence in the high- and low-risk regions of India. *Indian Journal of Medical and Paediatric Oncology.* 40. 90. 10.4103/ijmpo.ijmpo_164_18.
9. Kumar A, Mhatre S, Dikshit R. Utility of dried blood spots in detecting *helicobacter pylori* infection. *Indian J Med Microbiol.* 2019;37(4):514-520. doi:10.4103/ijmm.IJMM_19_441
10. Mhatre S, Rajaraman P, Chatterjee N, et al. Mustard oil consumption, cooking method, diet and gallbladder cancer risk in high- and low-risk regions of India [published online ahead of print, 2020 Mar 6]. *Int J Cancer.* 2020;10.1002/ijc.32952. doi:10.1002/ijc.32952
11. Mhatre S, Chatterjee N, Dikshit R, Rajaraman P. Genetics of gallbladder cancer - Authors' reply. *Lancet Oncol.* 2017;18(6):e297. doi:10.1016/S1470-2045(17)30353-4
12. Gholap D, Mhatre S, Chaturvedi P, Nair S, Gheit T, Tommasino M, Dikshit R. Prevalence of human papillomavirus types in head and neck cancer sub-sites in the Indian population. *Ecancermedicalscience.* 2022 Feb 18;16:1358. doi: 10.3332/ecancer.2022.1358. PMID: 35510141; PMCID: PMC9023304.
13. Singh AG, Singhavi H, Sharin F, Lakdawala M, Mhatre S, Deodhar J, Chaturvedi P, Dikshit R. Cross-Sectional and Longitudinal Mental Health Status Prevailing among COVID-19 Patients in Mumbai, India. *Indian J Community Med.* 2022 Jan-Mar;47(1):55-60. doi: 10.4103/ijcm.ijcm_928_21. Epub 2022 Mar 16. PMID: 35368483; PMCID: PMC8971876.

14. de Souza R, Mhatre S, Qayyumi B, Chitkara G, Madke T, Joshi M, Bharmal R, Asgaonkar DS, Lakhani P, Gupta S, Chaturvedi P, Dikshit R, Badwe R. Clinical course and outcome of patients with COVID-19 in Mumbai City: an observational study. *BMJ Open*. 2021 May 6;11(5):e042943. doi: 10.1136/bmjopen-2020-042943. PMID: 33958335; PMCID: PMC8103559.
15. Mhatre S, Lacey B, Sherliker P, Chatterjee N, Rajaraman P, Goel M, Patkar S, Ostwal V, Patil P, Shrikhande SV, Chitkara G, Badwe R, Lewington S, Dikshit R. Reproductive factors and gall-bladder cancer, and the effect of common genetic variants on these associations: a case-control study in India. *Int J Epidemiol*. 2022 Jun 13;51(3):789-798. doi: 10.1093/ije/dyab197. PMID: 34550362; PMCID: PMC9189936.



Sharayu Sitaram Mhatre