



Dr. SUMIT AGGARWAL

CURRICULUM VITAE

PERSONAL INFORMATION

Present Position: Scientist D, Program officer for HIV/AIDS, Capacity Building Project on Global Burden of Diseases at ICMR Headquarter, DHR, Ministry of health and family welfare, Govt. of India.

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Google Scholar Link: <https://scholar.google.com/citations?hl=en&authuser=1&user=2RUrgTYAAAAJ>

Scopus Link: scopus.com/authid/detail.uri?authorId=57211137902

Publons: <https://publons.com/researcher/4589675/sumit-aggarwal>

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Languages: English, Hindi, Marathi.

Marital Status: Married

CITATIONS GOOGLE SCHOLAR:

	ALL	Since 2017
Citations	187	183
H-index	7	7
I10-index	5	5

EDUCATION

- **M.D. in Community Medicine** (June-2014) from Dr. V M Government Medical College, Sholapur, Maharashtra University OF Health Science, Nasik, Maharashtra
- **M.B.B.S. (Jan-2008)** from Government Medical College, Aurangabad, Maharashtra University OF Health Science, Nasik (Maharashtra)

AWARD/ HONOR

Presidential Appreciation award in the Community Medicine field in Non faculty category 3rd March 2022

Outstanding Scientist Award by the International Eminent Awards on Engineering, Science and Medicine INSO 2022

EDITORIAL BOARD MEMBER:

- *Transactions of the Royal Society of Tropical Medicine and Hygiene*
- *International Journal of Community Health & Medical Research*
- *Journal of Pharmaceutical Research International*

THESIS TITLE

- Study of Clinico-social profile of adult Patients Attending psychiatric Clinic At tertiary care centre.
- Study of perception of relatives of psychiatric patients about the psychiatric illness.

COURSES COMPLETED

- Completed “Health Research Fundamental” course with ELITE class conducted by ‘**Indian Council of Medical Research**’ and ‘**National Institute of Epidemiology**’.
- Completed “**Epidata Data Entry-software course**” at AIIMS, Bhopal in April 2016 conducted and supported by **The Union: The International Union against Lung and TB Disease**.
- Attended “**Epidata Data Analysis-software course**” at AIIMS, Bhopal on 9th & 10th July 2016 conducted and supported by **The Union: The International Union against Lung and TB Disease**

INVITED TALK/ PAPER PRESENTED IN NATIONAL & INTERNATIONAL CONFERENCES

INVITED TALK

- Delivered lecture **SAMARTH 3** Orientation and Capacity Building Workshop from 13th to 14th July 2022 (Hybrid Mode) at **ICMR, Hq New Delhi**
- Delivered lecture under DST-STUTI Program for its Flagship “**Synergistic Training program Utilizing the Scientific and Technological Infrastructure (STUTI) Program**” at Deptt. of Toxicology, SCLS, Jamia Hamdard on **13th March, 2022**
- Drone Technologies in Healthcare in the session on **Innovation and Science- @Bharat initiative of Strategic Alliances Division- Bharat 12**, 24th Decemeber 2021 organized by the **Office of the Principal Scientific Adviser to Government of India**
- **Current trends of STI in India: The changing Scenario** in 11th International Conference on **Bacteriology and Infectious Diseases** on 17th-18th December 2021 (virtually)
- **National Ethics Guidelines on BMR in workshop on Advanced Research Techniques for Cellular and Molecular Systems in Neuroscience** on 11th December 2021
- **Ethical issues Human Research, SNCI workshop on Neurological Disorders: Advances in Research Techniques and Translational Applications** on 13th-19th October, 2019 at Convention Centre, Jamia Hamdard, New Delhi
- International Conference entitled **Frontiers in Neuroscience and Neurochemistry: Dynamic Challenges and Approaches** on 10th-12th October, 2019 organized by Department of Toxicology, School of Chemical and Life Sciences, Jamia Hamdard
- International conference entitled **Indian Conference on Bioinformatics 2019 (Inbix'19)** on 22nd – 23rd February, 2019 at Jalandhar as **Panelist in Discussion on Bioinformatics**
- Two-day International conference on **Recent Advances in Nanotechnology & Pharmaceutical Drug Discovery & Development** on 16th & 17th February, 2019 session chaired at Ahmedabad
- NGBT Conference lecture delivered on **Genomic surveillance** held on Sep 30th - Oct 2nd, 2018 at Jaipur, India from
- **Scientific coordinator in INCD-2018, Dehradun**
- **Innovations and Implementations in Healthcare through lens of Technology** Organized by Rayat Bahra University Campus, Mohali on 2nd & 3rd February, 2018

- Presented at the 15th **National conference of Association for prevention & control of rabies** on 6th & 7th July at Pune **Clinico-social profile of animal bite cases in the patients attending ARV OPD at tertiary care hospital**
- Clinico-social problems of **geriatric population in rural area of southern Maharashtra**, 39th Annual national conference of IAPSM on Feb 2012 at Kangra (Himachal)
- **ICD-10 code in CME on MCCD at GMC, Akola** on Jan 2017
- **First Aids Medical measures at Regional Police training Centre, Akola, Maharashtra**
- **Diabetes at YASHADA Training Center, Akola branch to Class III & Class IV Government servants**
- **Life Style and Non-Communicable Disease at YASHADA Training Center, Akola branch to Class III & Class IV Government servants**
- International conference entitled **Indian Conference on Bioinformatics 2019 (Inbix'19)** on 22nd & 23rd February, 2019 at Jalandhar as **Panelist in Discussion on Bioinformatics**
- Two-day International conference on **Recent Advances in Nanotechnology & Pharmaceutical Drug Discovery & Development** on 16th & 17th February, 2019 **session chaired at Ahmedabad**
- **NGBT Conference** lecture delivered on **Genomic surveillance** on September 30th-2nd October, 2018 at Jaipur, Rajasthan

Attended/ Participated

- **39th Annual National Conference of IAPSM** on February 2012 at Kangra, Himachal Pradesh
- Annual Conference Organized by Medical Research Society at DR. VMGMC, Solapur, Maharashtra on 8th & 9th September, 2012
- **40th Annual National Conference of IAPSM** and joint State Conference of IAPHA & IAPSM, Maharashtra chapter on 22-24 Jan 2013 at Nagpur, Maharashtra
- **15th National conference of Association for Prevention & Control Of Rabies** in India on 6th-7th July at Pune, Maharashtra
- Workshop on **Diabetes Management** on February, 2014 at Akola, Maharashtra
- State conference on **Medical Education & Gender** on December, 2015 at Aurangabad, Maharashtra
- CME on **Fact on Swine Flu** on November 24, 2015 at GMC, Akola, Maharashtra
- CME on **Rational Use Of Blood** on December 22, 2015 at GMC, Akola, Maharashtra
- CME ON **Child rights and related Acts** on January 29, 2016 at GMC, Akola, Maharashtra
- CME on **ZIKA Virus At MUHS Regional Tribal Centre, GMC, Nagpur, Maharashtra**
- CME ON **Update in HIV/PPTCT prevention** on Jun, 2016 at GMC, Akola, Maharashtra
- CME on **Currents Updates on Zika** at GMC, Akola, Maharashtra on 20th Jan 2017
- Meeting on Mission – **Malnutrition Free India -2022** on 19th September 2017 Hotel Ashoka, New Delhi
- Four day **International conference on 5th Global forum on TB vaccine** jointly **organized by Global Forum, ICMR, DBT and THSTI at New Delhi** from 20-23rd February, 2018
- **Principles and Practice of Clinical Research** on April 16 - 21, 2018 Hyderabad
- 116th program on **Good Clinical Practice (GCP)** at AIIMS, Jodhpur on August 04-5, 2018

PROJECTS

INTRAMURAL

- **Title:** Assessment of community behavior during festive seasons and its impact on COVID-19 transmission in India
Investigators: Sumit Aggarwal, Sivaram Balaji, Tanvi Singh, Geetha R Menon, Sandeep Mandal, Madhumathi J, Nupur Mahajan, Simran Kohli, Jasmine Kaur, Harpreet Singh, Kiran Rade, Samiran Panda
Project period: 1 year (October 2020-October 2021)
Grant Number: HIV/50/210/10/2020/HMT/STUDY-ECDII

Funding: ICMR Intramural

- **Title:** The epidemiological study of test positivity ratio of COVID-19 among transgender in India: A cross-sectional secondary data analysis
Investigators: Sumit Aggarwal, Nupur Mahajan, Sivaram Balaji
Project period: 6 months (October 2021- ongoing)
Grant Number: HIV/50/210/10/2020/HMT/STUDY-ECDII
Funding: ICMR Intramural
- **Title:** Mental Health and Social Stigma among healthcare personnel involved in the management of COVID-19 patients in India
Investigators: Tapas Chakma, Geetha R Menon, Beena Thomas, Ragini Kulkarni, Rakesh Balachandar, Prashant Singh, Ashoo Grover, Bijaya Kumar Mishra, Murugesan, Chitra Vekateswaran, Maribon Viray, K. Rekha Devi, Sumit Aggarwal,
Project period: 5 months (October 2020-April 2021)
Grant Number: HIV/COVID-19/4/5/2020/ECD-II
Funding: ICMR Intramural
- **Title:** Reinstating and sustaining the maternal and child health services during and after the COVID crisis
Investigators: Sumit Aggarwal, Manoj Kr. Das, N K Arora
Project Period: 3 months (July 2020-October 2020)
Grant Number: HIV/COVID-19/8/5/2020 ECD-II
Funding: Intramural

Extramural

- **Project Title:** ICMR Capacity Building for Disease Estimation and projection
Investigators: Samiran Panda, Lalit Dandona and Sumit Aggarwal
Project period: 3 years (2021-2024)
Grant Number: PPPU/2/1/2020-ECD-II
Amount: 4.8 Cr (INR)
Funding: ICMR Extramural
- **Project Title:** A systematic review and meta-analysis of Venous Thrombosis among patients with identified chronic medical conditions in South East Asia
Investigators: Sumit Aggarwal, Sivaram Balaji, Geetha R Menon, Rashmi Kundapur
Project period: 18 months
Grant Number: VTE/6/3/2022-BMS
Amount: 5.8 lakhs (INR)
Funding: ICMR Extramural
- **Project Title:** Exploratory study on the operational issues faced in collection, transportation and laboratory testing related to COVID-19 in remote areas of selected EAG states of North East & East India
Investigators: Forhad Akhtar Zaman, Sumit Aggarwal, Ranabir Pal, Prabir Kumar Chatterjee, K Asha Kiran, Srikanta Panda, Utpal Sharma
Project period: 1 month (October 2020-November 2020)
Grant Number: HIV/COVID-19/9/5/2020 ECD-II
Amount: 2.44 Lakhs (INR)
Funding: ICMR Extramural
- **Project Title:** Factors related to COVID-19 stigma: A mixed method study

Investigators: Saritha Nair, **Sumit Aggarwal**, Damodar Sahu, Tulsi Adhikari, Bal Kishan Gulati, Saurabh Sharma, Jeetendra Yadav, M. Vishnu Varshan Rao
Project period: 10 month (October 2020-July 2021)
Grant Number: HIV/Covid-19/3/5/2020/ECD-II
Amount: 38 lakhs (INR)
Funding: ICMR Extramural

- **Project Title:** Impact of COVID-19 on maternal and child health services through the public health system in India
Investigators: M. Vishnu Vardhana Rao, **Sumit Aggarwal**, Saurabh Sharma, Anil Kumar, Damodar Sahu, Tulsi Adhikari, Saritha Nair, Atul Juneja, Kh. Jiten Kumar Singh, Lucky Singh
Project period: 6 month (October 2020-March 2021)
Grant Number: HIV/Covid-19/6/5/2020/ECD-II
Amount: 25 lakhs (INR)
Funding: ICMR Extramural
- **Project Title:** Drones for vaccine delivery: A feasibility study
Investigators: Samiran Panda, **Sumit Aggarwal**, Prakamya Gupta, Saurabh Sharma, AK Ghosh, Sivaram Balaji
Project period: 2 month (May 2021-June 2021)
Grant Number: HIV/50/212/12/2020 ECD II
Amount: 7 lakhs (INR)
Funding: ICMR Extramural
- **Project Title:** Development and Implementation of the drone-based vaccine delivery model in hard-to-reach terrains in India
Investigators: Samiran Panda, **Sumit Aggarwal**, Prakamya Gupta, Kh. Jitenkumar Singh, Saurabh Sharma, Sivaram Balaji, Nupur Mahajan
Project period: 9 month (September 2021-June 2022)
Grant Number: HIV/50/216/09/2021-ECD
Amount: 36 lakhs (INR)
Funding: ICMR Extramural
- **Project Title:** Development and validation of the training module for adaptation of healthcare workers facilitating last mile vaccine delivery by drone
Investigators: Samiran Panda, **Sumit Aggarwal**, Prakamya Gupta, Sivaram Balaji, Nupur Mahajan
Project period: 9 month (September 2021-June 2022)
Grant Number: HIV/50/217/09/2021-ECD
Amount: 25 lakhs (INR)
Funding: ICMR Extramural
- **Project Title:** Identifying the district level vulnerability among children on health-system preparedness and response to COVID-19 in India: A comprehensive study
Investigators: Lucky Singh, **Sumit Aggarwal**, Ashoo Grover, Saurabh Sharma
Project period: 10 months (October 2020-October 2021)
Grant Number: OR/8/11/2021-ECD-II
Amount: 6,99,600 (INR)
Funding: ICMR Extramural
- **Project Title:** Identifying priority population to ensure COVID-19 vaccine equity in India: A mixed-method comprehensive study

Investigators: Lucky Singh, **Sumit Aggarwal**, Ashoo Grover, Saurabh Sharma
Project period: 12 months (October 2020-October 2021)
Grant Number: OR/7/11/2021-ECD-II
Amount: 13,62,620 (INR)
Funding: ICMR Extramural

- **Project Title:** Combined model study to investigate the challenges faced by frontline health managers at district level in this time of pandemic of COVID-19- Multicentric approach
Investigators: Rashmi Kundapur, **Sumit Aggarwal**, Anusha Rashmi, Rakhal Gaitonde
Project period: 4 months (August 2020-December 2020)
Grant Number: COVID-19/13/5/2020 ECDII
Amount: 11,62,450 (INR)
Funding: ICMR Extramural

- **Project Title:** National HIV cohort program- cohorts for HIV Resistance and Progression in Indian Children and Adults (CoHRPICA)
Investigators: Sanjay M Mehendale, and **Sumit Aggarwal**
Project period: 5 (2017-2022)
Grant Number: HIV/58/182/11/2017 ECDII
Amount: 6,777,0024 (INR)
Funding: ICMR Extramural

- **Project Title:** Validation of a dry swab RNA-extraction-free method based diagnostic test for SARS-CoV-2 compared with the standard VTM based swab collection method: A multicentric study
Investigators: Madhumati Jayaprakasam, **Sumit Aggarwal**, Arati Mane, Vandana Saxena, Amrita Rao, Bhaswati Bandopadhyay, Banya Chakraborty, Subashish Kamal Guha, Mekhala Taraphdar, Alisha Acharya, Bishal Gupta, Sonia Deb, Aparna Chowdhury, Kh. Jitenkumar Singh, Prashant Tapase, Ravindra M Pandey, Balram Bhargava, Samiran Panda
Project period: 1 year (October 2020-October 2021)
Amount: 10,00,000 (INR)
Grant: Covid/ DrySwab/1/2020
Funding: ICMR Extramural

- **Project Title:** Turnaround time from first HIV testing to start of Anti-retroviral treatment and perceived challenges of the National AIDS Control Programme in a tribal dominant district of Madhya Pradesh
Co-Investigator: Sumit Aggarwal
Project period: 6 months
Amount: 10 Lakhs
Grant: T-11020/17/2022-NACO(R&E)
Funding: NACO Extramural

- **Project Title:** Increasing partner testing for HIV through assisted partner notification and community-based screening: Quasi-experimental study
Co-Investigator: Sumit Aggarwal
Project period: 2 years
Amount: 82 Lakhs
Grant: T-11020/05/2022-NACO(R&E)
Funding: NACO Extramural

Innovation in Science & Technology

- *Establishment of Sexually Transmitted Infection surveillance network First in South Asia*
- *Establishment of Venous thromboembolism network First in South Asia*
- *Delivery of Vaccine via i-Drone in the far flung areas of North East Region of India and First in South Asia*

IMPORTANT MEETINGS

ICMR

- AMSP meeting in ICMR headquarters on 7th June 2018- Principal Investigators of “Antimicrobial Stewardship Practices” for revision of “Treatment Guidelines”, held on 7th June 2018.
- Meeting and deliberations on Antimicrobial Resistance: Challenges and Solutions: being hosted by BD India on August 1st 2018 at The Claridges, Motilal Nehru Marg Area, New Delhi.
- First Advisory Committee Meeting of ICMR-Pfizer collaboration on AMR-7th December 2017
- ICMR Technical Committee for examination/ evaluation of proposals for the procurement of capital equipment's/services in the ICMR Hqrs./Institutes/ Centers costing more than Rs. 25 lakhs on 8th Feb 2018.
- Selection Committee meeting for the post of Assistant on the project entitled, "Cohorts for HIV Resistance and Progression in Indian Children and Adults" on 12th Feb, 2019 at ICMR headquarters.
- Indo US HIV RFP - Program Review through ICMR-NIH Joint Call of Feb 19 -
- 2nd National Consultation meeting on EDL to be held on August 20, 2018 at conference room, ICMR hqrs, New Delhi.
- Meeting regarding screening of pre-proposals, received on regular online system as well as by call for proposals with all Divisional Heads, ICMR Hqrs at 3 PM on 10 January, 2019.
- PRC meeting on AMR and AMSP new proposals 23 Oct 2018
- PRC meeting for concept proposals on HIV AIDS- 10th January 2019 and 30th January
- Indo-US Joint Program on HIV/AIDS and STI Prevention Research Awards Proposal Review on 19th February
- The roll-out meeting on 7th-8th March, 2019.
- PRC on HIV on 20th March 2019, 26th March 2019
- Expert committee meeting on HICV vaccine on 28th 2019

NACO meetings

- Meeting to finalize the tech. speci. for procurement of computers for TI Programme for NACO on 27th November 2018 at Nirman Bhawan, New Delhi.
- Letter of Invitation from AS & DG (NACO&RNTCP), MoHFW, for the National Consultation with Police Training Academies on 10th -11th January 2019 in New Delhi.
- Indo-foreign research project, *ART Adherence & Alcohol: Assessment, Intervention and Modeling (AIM) Study* by Population Council, Delhi is being organised under the chairmanship of AS&DG, NACO on 21st February, 2018 at 6th Floor Committee room, NACO.
- Meeting Notice for Technical Specification Committee meeting held on 6th March 2019, at Nirman Bhawan, New Delhi
- The meeting to discuss status of Global Fund Projects under ICMR on 15th March, 2019 at NACO.
- Technical Specification Committee to be held on 18th March 2019, 12.00 noon at Nirman Bhawan, New Delhi under the Chairmanship of Dr. A K Gadpayle, Additional Director General, DGHS, MoHFW.
- Indo-US ASHA Workshop on 16 Feb at ICMR headquarters

EXPERT COMMITTEE MEMBER IN DIFFERENT AGENCIES

- NATIONAL TASK FORCE MEMBER OF COVID-19
- EXPERT PANEL MEMBER IN INDO-US PROGRAM
- EXPERT PANEL MEMBER OF NEWTON-BHABHA PROGRAM
- EXPERT PANEL MEMBER INDO-JAPAN PROGRAM
- EXPERT PANEL MEMBER IN HMSC PROPOSAL FOR HIV/STI
- EXPERT PANEL MEMBER IN NATIONAL HIV COHORT PROGRAM
- EXPERT PANEL MEMBER IN NFHS 4-5(BIO-REP FOR MALARIA DATA, DRIED BLOOD SPOT DATA)
- EXPERT PANEL MEMBER IN NACO TECHNICAL COMMITTEE
- EXPERT PANEL MEMBER OF NATIONAL TECHNICAL ADVISORY BOARD
- EXTERNAL PANEL MEMBER PhD SELECTION COMMITTEE HIMSR, & DIPSAR
- EXPERT PANEL MEMBER (NATIONAL ASSESSOR) TEMPERATURE MONITORING STUDY AT DWARKA GUJRAT
- EXPERT PANEL MEMBER DST PURSE PRGRAM FOR SELECTION OF RESEARCH FELLOW
- EXPERT PANEL MEMBER DBT PROGRAM FOR SELECTION OF RESEARCH FELLOW

ADMINISTRATIVE WORK

- Conducted internship orientation program and management for the MBBS batch 2010 at GMC, Akola, Maharashtra
- Conducted various day celebrations according to MUHS, Nasik guidelines during year 2014 & 2015 at GMC, Akola, Maharashtra
- Worked in Departmental Immunization clinic against Vaccine preventable Disease, Anti-Rabies Clinic. Apart from immunization services IEC activity, Time to time special vaccine campaign i.e. Swine flu vaccination in pregnant women. Meningitis Vaccination in Hajj Pilgrims etc.

TEACHING RESPONSIBILITIES

- Adjunct Faculty Parul Institute Of Public Health, Parul University Since November 2021 responsible for UG & PG students
- Adjunct Faculty THSTI Master of Science (M.Sc.) program in Clinical Research with a specialisation in Clinical Trials Translational Health Science and Technology Institute

MISCELLANEOUS VOLUNTEER WORK

- Organized Health Camp for police persons (2400) for the assessment of their BMI and general health status at Akola in September 2014
- Organized Diabetes screening camp(n=300) on World Health Day, 2016
- Experience of MCI related Work and MCI Inspection work committee
- Multiple articles published in news paper

INTERNATIONAL JOURNAL PUBLICATIONS

1. **Sumit Aggarwal***, Nupur Mahajan, Simran Kohli, Sivaraman Balaji, Tanvi Singh, Geeta Menon, Kiran Rade, Kiran Rade and Samiran Panda Assessment of community behaviour and covid 19 transmission during festivities in India: A qualitative synthesis through a media

scanning technique International Journal of Environmental Research and Public Health (MDPI Switzerland) 2022, 19(16), ISSN: 1660-4601 10157 doi.org/10.3390/ijerph191610157
(**Journal Impact factor 4.614**) SCIE Q1 (**Communicating author**)

2. Saritha Nair, Aparna Joshi, **Sumit Aggarwal**, Nupur Mahajan et al Development & validation of scales to assess stigma related to COVID-19 in India Indian J Med Res 155, January 2022, DOI: 10.4103/ijmr.ijmr_2455_21
3. Balaji S, Aradhana Bhargava, **Sumit Aggarwal***, Emerging and re-emerging sexually transmitted diseases: A review of epidemiological evidences, Indian Journal of Sexually Transmitted Diseases and AIDS (Wolters Kluwer Medknow Publishers India), 2022 43(1): 20-26 ISSN 2589-0557 doi: 10.4103/ijstd.ijstd_58_21 /(Journal Impact Factor: SCIE Q4 (**communicating author**))
4. Sivaraman B, Madhumathi J, Bhargava A, Singh T, Mahajan N, Ambalkar D, **Aggarwal S***. Patterns of HIV drug resistance mutations in People Living With HIV in India: A scoping review. Indian Journal of Sexually Transmitted Diseases and AIDS, (Wolters Kluwer Medknow Publishers India), 2022, 43(1): 12-19 ISSN 2589-0557 doi: 10.4103/ijstd.ijstd_2_21/(Journal Impact Factor:) SCIE Q4 (**communicating author**)
5. Menon, G. R., Yadav, J., **Aggarwal, S.**, Singh, R., Kaur, S., Chakma, T., & Panda, S. Psychological distress and burnout among healthcare worker during COVID-19 pandemic in India—A cross-sectional study. *PloS one*, (2022). 17(3), e0264956. doi.org/10.1371/journal.pone.0264956 ISSN: 1932-6203 /(Journal Impact factor- **3.24**) SCIE Q1PLOS Publisher
6. Kundapur, R., Rashmi, A., Velamala, S., **Aggarwal, S.**, Shringarpure, K., Gaitonde, R., & Modi, B. (2022). Assessment of Challenges and Opportunities and Identification of Approaches and Innovations in COVID-19 Pandemic Management by Different States in India: A Qualitative Approach. *Journal of Epidemiology and Global Health*, 1-11 74–84 (2022) doi.org/10.1007/s44197-021-00022-4 ISSN 22106006, 22106014 (**Journal Impact factor- 1.719**) SCIE-Q2Springer Nature Pvt Ltd.
7. Kundapur R, Rashmi A, **Aggarwal S***, et. al. 2021. The challenges of frontline health managers during the COVID-19 pandemic in India: A framework analysis study. International Journal of Research in Medical Sciences, 10(4), 838 ISSN: 2320-6071 Index Copernicus doi.org/10.18203/2320-6012.ijrms20220974 Medip Academy publisher (**communicating author**)
8. Singh, H., Jadhav, S., Khan, A. A., **Aggarwal, S. K.**, Choudhari, R., Verma, S., & Maan, H. S. APOBEC3, TRIM5 α , and BST2 polymorphisms in healthy individuals of various populations with special references to its impact on HIV transmission. *Microbial pathogenesis*, 162, 105326. (2022) doi.org/10.1016/j.micpath.2021.105326 Elsevier Pvt Ltd. (**Journal Impact factor 3.848**) SCIE Q2 ISSN 0882-4010

9. **Aggarwal S**, et al. Association between ambient air pollutants and meteorological factors with SARS-CoV-2 transmission and mortality in India: An exploratory study. *BMC Environmental Health*, 20(1). 20:120 doi.org/10.1186/s12940-021-00804-0 ISSN: 1476-069X (**Journal Impact factor 3.177**) SCIE-Q1 Springer Nature 2021
10. Chakma, **Aggarwal S. al.** 2021. Psychosocial impact of COVID-19 pandemic on healthcare workers in India & their perceptions on the way forward- A qualitative study. *Indian Journal of Medical Research*, 153(5&6) May–June 2021 - Volume 153 - Issue 5-6 - p 637-648 doi: 10.4103/ijmr.ijmr_2204_21 ISSN: 0971-5916 Wolters Kluwer – Medknow
11. Jayaprakasam M, **Aggarwal S**, Mane A, et al. 2021. RNA-extraction-free diagnostic method to detect SARS-CoV-2: An assessment from two states, India. *Epidemiology and Infection*, 149; 1-28 149, e245, 1–8. doi.org/10.1017/S0950268821002302 Cambridge University Press **ISSN: 0950-2688 SCIE Q2**
12. Kundapur R, **Aggarwal, S.** et al. 2022. Assessment of challenges and opportunities and identification of approaches and innovations in COVID-19 pandemic management by different states in India: A qualitative approach *Journal of Epidemiology and Global Health* 12, 74–84 (2022). doi.org/10.1007/s44197-021-00022-4 IF 1.719 SCIE Q2 Springer Pvt. Ltd. ISSN 22106006
13. Dandona L, Singh Gangandeep, Sharma M, **Aggarwal S**, et al. 2021. The burden of neurological disorders across the states of India: the Global Burden of Disease. *Lancet Global Health*, 2021 August ;9(8):e1129-e1144.doi:10.1016/S2214-109X(21) 00164-9 ISSN 2214109X IF 38.927 Elsevier
14. **Aggarwal S**, Balaji S, Singh T, Menon G, Mandal S, et al. 2021. Association between ambient air pollutants and meteorological factors with SARS-CoV-1 transmission and mortality in India: An exploratory study. *BMC Environmental Health Environmental Health* (2021) 20:120, doi.org/10.1186/s12940-021-00804-0 IF 5.984 SCIE ISSN: 1476-069X
15. Zaman FA, **Aggarwal S**, Pal R, Chatterjee PK, Kiran KA, Panda S, Sharma U, Bhattacharya T. Exploratory study on the operational issues faced in collection, transportation, and laboratory testing related to COVID-19 in remote areas of selected EAG states of North East and East India. *Journal of Family Medicine and Primary Care*, 2021 March 2021 - Volume 10 - Issue 3 - p 1443-1452 March 2021 - Volume 10 - Issue 3 - p 1443-1452 doi:10.4103/jfmpc.jfmpc_2130_20 ISSN: 2249-4863S
16. **Aggarwal S***, Ambalkar D D, Singh AK, Sivaraman B. 2021. Sexually Transmitted Infections (STIs) and its changing scenario: A scoping review. *Combinatorial Chemistry & High Throughput Screening* 2021 February 28, doi: 10.2174/1386207324666210301093001 Bentham Science ISSN: 1386-2073 IF 1.339 SCIE/ Q4 (**communicating author**)
17. **Aggarwal S***, Ambalkar DD, Madhumathi J, Badge VL, Humne A. 2021. Menstrual Hygiene Practices of Adolescent Girls in Rural Maharashtra. *Indian Journal of Gender Studies*, 28(1):127-137 February 22, 2021; pp. 127–137 ISSN: 0971-5215 doi: 10.1177/0971521520974879 IF -03.41 SSCI (**communicating author**)

18. Singh A K, Ghosh M, Kumar V, **Aggarwal S**, Patil SA. 2021. Interplay between miRNA and Mycobacterium tuberculosis: diagnostic and therapeutic implications. Drug Discovery Today Volume 26, Issue 5, May 2021, Pages 1245-1255 doi:10.1016/j.drudis.2021.01.021 IF 7.851 SCI
19. Aggarwal N, Sachin, Nabi B, **Aggarwal S**, Baboota S, Ali J. 2021. Nano-based drug delivery system: a smart alternative towards eradication of viral sanctuaries in management of NeuroAIDS. Drug Delivery and Translational Research. doi: 10.1007/s13346-021-00907-8 volume 12, pages27–48 (2022) IF 4.617 SCIE
20. **Aggarwal S***, Mahajan N, Singh T, Sivaraman B. 2020. Perspectives on Impact of E-learning on Students: A Solution or Adding New Worries?. Journal of Psychiatric Studies, 1(1) doi:10.4103/jps.20201104 Volume: 1 Issue: 1(**communicating author**)
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22. **Aggarwal S***, Mahajan N, Singh T. 2020. Effect of Stigma on Quality of Life of People with Sexually Transmitted Infections. Journal of Quality in Health care & Economics, 3(6). Medline Publisher ISSN :2642-6250 IF :1.5279 Volume 3 Issue 6 (**communicating author**)
23. Nabi B, Rehman S, **Aggarwal S**, Baboota S, Ali J. 2020. Quality by Design Adapted Chemically Engineered Lipid Architectonics for HIV Therapeutics and Intervention: Contriving of Formulation, Appraising the in vitro Parameters and in vivo Solubilization Potential. AAPS PharmSciTech, 21(7):261 AAPS PharmSciTech, 21(7):261. Medscape ISSN: 1530-9932
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27. Biswas S, Ghosh P, Chakraborty D, Kumar A, **Aggarwal S***, Saha MK. 2020. Variation in injecting drug use behaviour across different North-eastern States in India.

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32. Badge VI, **Aggarwal S***, Ambalkar DD, Humne A, Raghuwanshi N. 2017. Assessment of indications of lower section caesarean section at tertiary care center: a cross sectional study. International Journal of community Medicine and Public Health, 4(1): 1253-1256, ISSN: 2394-6032, doi: 10.18203 (communicating author)
33. Raghuwanshi N, **Aggarwal S***. 2017. A study of fetal outcome in pregnancies with inadequacy of liquor amnii at tertiary care center: a cross sectional study, European Journal of Biomedical and Pharmaceutical Sciences, 4(1):310-314, ISSN 2349-8870 IF 6.044 ICV (communicating author)
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40. **Aggarwal S***, Karwale S, Kumavat AP. 2015. Clinico-social problems of geriatric population in rural area of southern Maharashtra: a cross sectional study, International Journal of Information Research and Review, 2(7): 958-961, ISSN 2349-9141 **(communicating author)**

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43. **Aggarwal S***, Raghuwanshi G. 2015. Outcome study of application of modified tension band wiring (TBW) in patellar fracture: A prospective study. Global Journal for Research Analysis, 4(6): 100-103 ISSN:2277-8160 doi:10.36106/GJRA **(communicating author)**

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45. **Aggarwal S***, Ambalkar DD, Kale K, Aswar N, Bhatkule P. 2015. Pattern of internet use among medical students: A Cross sectional study. Asian Journal of Science and Technology, 6(4): 1285-1288 ISSN0976-3376 IF 6.946 ICRV **(communicating author)**

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49. Garg P, Dayama N, **Aggarwal S**, Warthe V. 2015. Study of Etiology of Neonatal Jaundice at tertiary care centre in Maharashtra, Scholars Journal of Applied Medical Sciences, 3(4C):1787-1790 ISSN : 2347-954X
50. Raghuwanshi G, **Aggarwal S***. 2015. Outcome study of use of Locking Compressive Plates in Supracondylar femur fracture. Journal of Research Medical Dental Science, 3(2): 122-126 eISSN NO.2347-2367 (**communicating author**)
51. Aggarwal Sadhna, Verma S, **Aggarwal Sumit**, Gupta SC. 2019. Drug Repurposing for Breast Cancer Therapy: Old Weapon for New Battle. Seminars in Cancer Biology. doi: 10.1016/j.semcancer.2019.09.012 Elsevier IF 15.707 ISSN: 1044-579X

BOOK CHAPTERS

- A Comprehensive Ecological study to assess the impact of various environmental pollutants and meteorological factors on COVID-19 Transmission and Mortality in India- **Sumit Aggarwal** and Sandip Mandal Chapter 24 Transcending the Horizon (Reflecting and Revisiting Society Today) Edited By Prof. (Dr.) Birbal Saha and Anusya Adhikari Crescent Publishing Corporation India ISBN:978-93-91771-26-3 Pg 276-284.
- Traveller's Health Chapter 32 Yogita Bavaskar, **Sumit Aggarwal**, Alka Kaware, Maoj Talapalliwari, Poonam Sancheti, IAPSM'S TEXT BOOK OF Community Medicine, Second Edition, Edited By- A M Kadri, Jaypee Brothers Medical Publishers (The Health Sciences Publisher) ISBN: 978-93-90595-21-1 Pg. 692-697
- Overview of Health administration (at the village, block, district, state and centre level in India) - **Sumit Aggarwal**, Sivaraman Balaji, J. Madhumathi and **Yogita Bavaskar** CHAPTER 9 Edited by Venkateshreddy. B and Nilanjana Ghosh (Under Proof-Correction)

GUIDELINES PUBLISHED

- Training module on Drone based delivery of Medical Supplies (ICMR's Drone Response and Outreach for North East) 2022
- Guidance document for the Psychological Support for Health Care Workers during COVID-19 pandemic 2022
- Manual for 'Health Care professionals in providing "Psychological Support" to family members in bereavement in the time of Covid-19' 2020
- Guidance Document for Psychosocial Counseling for COVID-19 positive patients and their family members 2021
- Antimicrobial Stewardship Guidelines
- Antimicrobial Stewardship (AMSP) Treatment Guidelines

- Treatment Guidelines for Antimicrobial Use in Common Syndromes (2nd Edition). New Delhi: ICMR.

TRAININGS & WORKSHOPS ATTENDED

- Workshop on **Facility Based Management of Severe Acute Malnutrition** organized by GIBN, Pune with the support of MUHS, Nasik and UNICEF on 12th to 14th November, 2014 at Pune, Maharashtra
- **Basic Workshop in Research Methodology** on 3rd-5th March, 2014 at DR. VMGMC, Sholapur, Maharashtra approved by MUHS, Nasik, Maharashtra
- Training of **Civil registration Systems / Birth Death** Registration at District Training center, Akola, Maharashtra
- Three days workshop on **Use of statistical software in Medical research** at NICPR, Noida ICMR
- **Good Clinical Research Practice Workshop (GCP)** Basic workshop, MUHS accredited Workshop at Akola, Maharashtra on 27 March, 2017
- **Principles and Practice of Clinical Research** on 16th-21st April, 2018 Hyderabad by ICMR & DBT
- NIH USA 116th **Program On Good Clinical Practice (GCP)** at AIIMS, Jodhpur to be held on 04th-05th August, 2018 by THSTI

ORGANISED WORKSHOPS & TRAININGS

- **AMSP Workshop** on 27th August 2018 at Central K.L. Wig Centre for Medical Education and Technology, AIIMS, New Delhi
- **ICME-NCDC AMSP Workshop** on 19th Nov 2018 at IIC, New Delhi on 19th Nov 2018 at India International Center, New Delhi
- **Data Management Workshop under Antimicrobial Resistance Surveillance Network** on 21st August 2018 at Sardar Vallabhbhai Patel Conference Hall, Indian Institute of Public Administration, New Delhi
- **Reducing Neonatal and Child Mortality by Addressing Drug Resistance** Through Collaboration, Research, and Innovation on 3rd July 2018 at Habitat Centre, Delhi, India conducted by ICMR-GARDP
- **Conducted CME on Fact on Swine Flu** on November 24th, 2015 at GMC, Akola as CME Co-coordinator with Staff Research Society Government Medical College, Akola, Maharashtra
- **Conducted CME on Rational use of blood** on December 22th, 2015 at GMC, Akola, Maharashtra as CME Co-coordinator
- **Conducted CME on Child rights and related Acts** on Januarys 29th, 2016 at GMC, Akola, as CME Co-coordinator with District Child Protection unit, Akola, Maharashtra
- **Conducted IEC, Advocacy and CME on Recent updates on HIV/ AIDS and PPTCT** With the NGO Sathi at Akola, District for medical officers and Private practitioner
- **Basic Orientation of Medical Services Workshop** at NABH accreditation committee

MEMBERSHIP & ASSOCIATION IN PROFESSIONAL BODIES

National

- Member of Indian Association of Preventive & Social Medicine,
- Member of Indian Public Health Association
- Epidemiology Foundation of India
- Society for Neurochemistry, India (SNCI)

International

- Membership Awarded by-The Union, Paris, France.

Associate Editor:

- *Public Health Open Access*
- *Journal of medical research and practice*

Editorial Board Member:

- *International Journal of Community Health & Medical Research*
- *Transactions of the Royal Society of Tropical Medicine and Hygiene*
- *Journal of Pharmaceutical Research International*

Reviewer:

- *Asian Journal of Advances in Medical Science*
- *Nursing Open (Wiley)*
- *Asian Journal of Advanced Research and Reports*
- *International Blood Research & Reviews*
- *International STD Research & Reviews*
- *Advances in Research*
- *Asian Journal of Research in Nursing and Health*
- *BMC Journal*

WORK EXPERIENCE

1. Presently working as Scientist-D, in ICMR, DHR, MOHFW, Govt. of India from 23rd August 2017 to present.
2. Assistant Professor, Government Medical College, Akola, Maharashtra from September, 2014 to August 2017 and Worked as Head of Dept. of Medical Record Section (MRD).
3. Medical Officer, Govt. Medical College, Sholapur (MS), Maharashtra from 11th July 2014 to 4th September 2014.
4. Resident/ Tutor in Dept. of Community Medicine, Dr VMGMC, Sholapur (MS), Maharashtra from 1st July, 2011 to 30th June, 2014.
5. Tutor from June 5th to December 31st 2009, GMC Aurangabad, Maharashtra.
6. House job/ junior Resident in Dept. of Cardio-thoracic vascular Surgery, Pt B D Sharma PGIMER, Rohtak, Haryana from March, 2009 to June, 2009.

I hereby declare the information given herewith is correct to the best of my knowledge.

Yours Sincerely
Dr Sumit Aggarwal