

Name: Dr. Raman Gangakhedkar
MBBS, DCH, MPH (Johns Hopkins University, USA)

Position Title: Dr. CG Pandit National Chair,
Indian Council of Medical Research,
New Delhi

Former Scientist G & Head,
Division of Epidemiology & Communicable Diseases,
Indian Council of Medical Research,
New Delhi - 110029

Former Director-in-Charge,
National Institute of Virology,
Pune

Former Director-in-Charge,
National AIDS Research Institute,
Pune - 411026

Past work experience

- Indian Council of Medical Research, New Delhi January 2018 – June 2020
- ICMR-National Institute of Virology, Pune (Addl Charge) June 2019-Dec 2019
- ICMR-National AIDS Research Institute, Pune February 1993- Jan 2018
- ICMR- Institute of Immunohaematology, Mumbai August 1988-February 1993
- ICMR-National Institute of Nutrition, Hyderabad February 1984-August 1988

Position & Honors

- Padma Shri Awardee, 2020
- Awarded '*Doctor of Medical Science*' (*D. Med. Sc*) *Honors Causa* by the Datta Meghe Institute of Medical Sciences (Deemed to be University) in 2021
- Swami Ramanand Teerth Marathwada Gaurav Puraskar, 2021
- Lifetime Achievement Award by the Army Institute of Technology, Pune on Feb 24, 2021
- "Karmayogini Vijayatai Lavate Award" by Manavya on Feb 11, 2021
- Legasis- Bombay Stock Exchange (BSE) C1010 Gratitude Award on October 11, 2020
- Merit Award, HIV Congress 2016

Fellowships Awarded

1. ICMR Fellowship for a training entitled “*Controlled Clinical Trials*” at the Institute for Research in Medical Statistics, Chennai between March 17 & 27, 1997.
2. FXB Fellowship, Francoise Xavier Bagnoud Foundation, Switzerland; for training on *Clinical Management of Pediatric AIDS* at the National Pediatric HIV Resource Center, Newark, USA from 28th May to July 1st 1996.
3. Fogarty Fellowship, National Institutes of Health, USA for doing *Master of Public Health (MPH)* at the Johns Hopkins University, Baltimore, USA from July 1995 to May 1996.

Orations

1. Delivered an Oration in TRINITY 2022, on May 31, 2022.
2. Dr. Ajey Joshi Oration 2021 Dr. Ajey Joshi Oration 2021 on December 5, 2021.
3. Late Narayanrao Chidrawar Memorial Oration on May 2, 2021.
4. Dr. Banoo Coyajee Oration on April 3, 2021
5. Dr. Nandkumar Shah Oration on March 21, 2021.
6. Dr. Indira Kapoor Oration on Feb 26, 2021
7. Dr. U.P. Rao Oration 2020 on November 8, 2020
8. Dr. Jagjit Singh Hans Oration at the 13th World Congress & 21st National Conference of the National Association of Reproductive & Child Health in India (NARCHI) in Jaipur, 2016
9. Dr. Suniti Solomon Oration in HIVe 2015 in Mysore on December 19, 2015.
10. Prof. K.Ramamoorthy Oration in HIV Congress 2012 in Mumbai on March 18, 2012.
11. Dr. Rajiv and Dr. Sanjiv Warhadpande Memorial Oration at the Academy of Medical Sciences, Nagpur on January 30, 2000.

A. Other Experience and Professional Memberships

- **Professional Bodies**

- Member, Governing Body, National Health Systems Resource Centre, New Delhi from July 2022 – 2025.
- Member, Institutional Scientific Advisory Committee, YRG CARE, Chennai 2022-
- Member, Research & Recognition Committee of the Faculty of Health Sciences (FoHS), Symbiosis International (Deemed University), Pune. 2022-
- Member, Indian Medical Association Covid Taskforce, Maharashtra State - 2022.
- Member, Research & Recognition Committee of the Faculty of Health Sciences (FoHS), Symbiosis International (Deemed University), Pune. 2022-.
- Member of Research Advisory Board of the Asian Institute of Gastroenterology, Hyderabad. 2022 –
- Member, Scientific Advisory Committee, Indrayani Hospital & Cancer Institute. 2021-
- Member, Lancet Commission Covid 19 India Taskforce 2020-
- Member, Scientific Advisory Board, Indian Council of Medical Research. 2020-
- Member, Advisory Board, Bharati Vidyapeeth Medical Journal. 2021-

- Member, Governing Body, National Institute of Tuberculosis & Respiratory Diseases, New Delhi. 2020-
- Member, Empowered Group 2 on COVID 19, Feb 2020- June 2020
- Member, National Taskforce on COVID 19. 2020-
- Member, Expert Advisory Group on Clinical Research in COVID 19 for the National Taskforce on Covid 19. 2020-
- Member, Governing Body, Institute of Medical Sciences, Banaras Hindu University, Varanasi – 2018 - 2021
- Chairman, Independent Ethics Committee, Symbiosis International (Deemed University), Lavale, Pune. 2017 -
- Chairman, Alliance India Institutional Review Board, India HIV AIDS Alliance, New Delhi- 2017-
- Chairman, Institutional committee for stem cell research (IC-SCR) of Bhabha Atomic Research Centre, Mumbai. 2017-2020
- Member, Speciality Group, Technical Advisory Committee, Medical Technology Assessment Board, Department of Health Research, MOHFW, Government of India. 2017-20.
- Member, Subject Expert Committee on Antimicrobial & Antiviral drugs constituted by the Drug Controller General of India. 2017- 2020
- Chairman, Ethics Committee & Stem Cell Research Ethics Committee, National Centre for Cell Science, Pune 2016-
- Member, Research Advisory Committee, Symbiosis Institute of Health Sciences, Symbiosis International (Deemed University), Pune. 2016-2021
- Member, National Research Advisory Committee, PrEP demonstration Project, Durbar Mahila Samnvaya Committee, Kolkata
- Member, Institutional Committee for Stem Cell Research (IC-SCR), Symbiosis School of Biomedical Sciences, Pune. 2015-
- Member, Research and Recognition Committee, Faculty of Health & Biomedical Sciences, Symbiosis Centre for Research & Innovation, Symbiosis International University, Pune. 2015- to date
- Member, Armed Forces Medical Research Committee. 2015- 2020
- Member, Academic Committee, SOSVA Training & Promotion Institute, Pune – 2014 to date
- Member, Advisory Board for Expert Panel on HIV in Children, Mumbai – 2013 to date
- Member, Governing Council, AIDS Society of India – 2013 to date
- Chairman, Ethics Committee, PRAYAS, Pune, 2011 to date
- Member, National Advisory Board, HIV Medicine Association of India. 2011- to date
- Member, Ethics Committee, Durbar Mahila Sangha, Sonagachi, Kolkata. 2007-2014
- Life Member, India Clinical Epidemiology Network (IndiaCLEN)
- Expert, Knowledge Management Services, Saksham Project, GFATM Round 7, Tata Institute of Social Science, Mumbai 2011 – 2015
- Member, Governing Council, AIDS Society of India. 2001- 2010
- Ex-Vice President, AIDS Society of India, 2003-2006
- Member, Board of Studies in Medicine, Bharati Vidyapeeth, Autonomous Deemed Medical University, Pune since 1999-2005

- Member, Governing Board of Lokmanya Medical Research Centre, Pimpri, Pune 1999-2014
- **National Expert Groups**
 - Member, Expert Committee on TB Vaccine & Diagnostics constituted by the National Tuberculosis Elimination Program. 2022-
 - Chairman of Technical Committee on Guidelines for Early Infant Diagnosis of HIV infection, constituted by the National AIDS Control Organisation. 2021-
 - Member, Scheme Review Committee of the Department of Health Research constituted by the Ministry of Health & Family Welfare, Government of India. 2021-
 - Member, Scheme Review Committee of the National Centre for Disease Control constituted by the Ministry of Health & Family Welfare, Government of India. 2021-
 - Member, High level Inter-ministerial Steering Committee for Eco Health Initiatives in India constituted by the Department of Health Research, Ministry of Health & Family Welfare. 2021-to date
 - Member, Technical Resource Group on Epidemiology & Surveillance constituted by the National AIDS Control Organisation. 2021-to date
 - Member, Antibody Working Group, Covid Guidelines India constituted by CMC Vellore & Cochrane. 2021-
 - Member, Technical Resource Group on Antiretroviral Therapy constituted by the National AIDS Control Organisation. 2021-to date
 - Chairman of Technical Resource Group (TRG) on Public-Private Partnership constituted by the National AIDS Control Organisation. 2021-to date
 - Member, Technical Resource Group on Surveillance of Viral Hepatitis constituted by the National Center for Disease Control. 2021-to date
 - Member, Technical Resource Group on Pediatric Antiretroviral Therapy constituted by the National AIDS Control Organisation. 2021-to date
 - Member, Empowered Committee Central Institute Body of the new AIIMS constituted by the Ministry of Health & Family Welfare, Government of India. 2020-
 - Member, Task Force for sub-National Certification of Districts on TB Free Status constituted by the National Tuberculosis Elimination Program. 2020-
 - Member, Project Guidance cum Review Committee, A2K+ program, Department Scientific & Industrial Research, CSIR. 2020-
 - Member, Expert Group on Anti-infectives for the Standing National Committee on Medicines for preparing National List of Essential Medicines. 2019-
 - Member, Technical Resource Group on Antiretroviral Therapy constituted by the National AIDS Control Organisation. 2020-to date
 - Co-Chair, National Operational Research Committee constituted by the Revised National Tuberculosis Control Program. 2019-2021
 - Member, Technical Resource Group on Research & Development constituted by the National AIDS Control Organisation, 2017 -
 - Member, Technical Resource Group on MSM constituted by the National AIDS Control Organisation – 2016- to date

- Chairperson, Technical Resource Group, Lab services constituted by the National AIDS Control Organisation – 2015- 2018
- Member, Technical Resource Group, HIV Estimation, constituted by the National AIDS Control Organisation – 2015-2020
- Member, Technical Resource Group, Prevention of Parent to Child Transmission, constituted by the National AIDS Control Organisation – 2015-16
- Member, National Tuberculosis Working Group (NTWG), constituted by the National AIDS Control Organisation – 2015 to date
- Mentor, National Data Analysis Plan, NACO -2014
- Member, sub-committee to revise National Guidelines on Management of Sexually Transmitted Infections, constituted by the National AIDS Control Organisation, 2012
- Member, Technical Resource Group, Antiretroviral Therapy, constituted by the National AIDS Control Organisation – 2011 to date
- Special Invitee, Working Group on Care and Support, NACO, NACP Phase IV. 2011
- Member, Working Group on Sexually Transmitted Disease, NACO, NACP Phase IV. 2011
- Member, Working Group on PPTCT, NACO for designing NACP Phase IV. 2011
- Member, Technical Resource Group, Sexually Transmitted Disease, constituted by the National AIDS Control Organisation – 2010 to date
- Member, Technical Resource Group, RCC-PACT (GFATM Round VII), Population Foundation of India, New Delhi 2010 to date
- Member, Technical Advisory Committee on Prevention of Parent-to-Child Transmission and Care & Support National AIDS Control Organisation (NACO)- 2007
- Member, Core Group, 3 by 5 initiative, WHO, SEARO, New Delhi, 2004
- Member, Technical Committee on the review State AIDS Control Societies, NACO, 2004.
- Member, Technical Advisory Group, HIV/STI Prevention and Care Research Programme-India, Population Council, India, 2001-04
- Co-ordinator, Technical Resource Group on Research & Development constituted by the National AIDS Control Organization between June 2000-2002
- Member, Project Consultative Committee (PCG) constituted by Family Health International, USAID, Government of Maharashtra and IMRB for STD Clinics- Health Facility Surveys between 1999-00.
- Member, Technical Resource Groups on: “*Women, Child and AIDS*” & “*Research & Development in HIV/AIDS*”, NACO between 1998-2000.
- Member, National Resource Team to develop Project Implementation Plan for the National AIDS Control Programme Phase II in 1998.
- Member, Protocol Development Team, “*Feasibility of AZT & Nevirapine Prophylaxis Study*” sponsored by NACO, 1998-2000.
- Co-opted member, Expert Committee Meeting on “*Antiretroviral Drugs*” of the Indian Council of Medical Research, New Delhi, 15th October 1997.
- Member, Apex Committee for AIDS Prevention and Control, Maharashtra State chaired by His Excellency Governor of Maharashtra and their sub-

committee's on: *Hospital Infection Control and HIV prevention & control in Urban Slums*, 1996-2000.

- Expert, AIDS IEC Task Force, Maharashtra State, 1996.
- Member, Expert Group on AIDS Policy of Catholic Hospital Association of India, 1993-94.
- Expert, Evaluation Group on Training Manual for Department of Youth Affairs, Govt. of India's "*Universities Talk AIDS*" Project Phase II. Jan.1993.
- Member, Hospital Infection Control Committee, Directorate of Health Services, Maharashtra State, 1992.

B. Indian Council of Medical Research

- Member, Scientific Advisory Committee, National Institute of Medical Statistics, New Delhi – 2016 – 2020
- Member, Joint Working Group, Sun Pharmaceutical & ICMR. 2016 – to date
- Member, Scientific Advisory Committee, National Institute for Research in Reproductive Health since 2016 – 2019.
- Member, Steering Committee on Multipurpose Prevention Technologies, ICMR, 2014- 2019
- Member, Advisory Group, Implementation Research, ICMR, 2012- 2020
- Member, Project Review Committee on proposals received from Human Reproduction Research Centres. 2012- 2018
- Member of Project Review Committee on Female Genital Tuberculosis from 2011 to 2018
- Reviewer, Short-term Studentship Program, 2011 -2014
- Member, Project Review Committee on "Strengthening linkages between SRH and HIV" 2010- 2020
- Member, Project Review Committee on "HIV/AIDS & Sexually transmitted Diseases (STDs)" from 2008- 2020
- Member of the Project Review Group on Pediatric HIV. 2010 to 2018
- Member, Project Review Committee on Indo-US proposals on HIV/AIDS & STIs from 2008-2018

International Bodies

- Member, Scientific Advisory Group for the Origins of Novel Pathogens (SAGO), World Health Organisation, 2021-
- Member, Steering Group – HIV Resistance Network (HIVResNet) constituted by World Health Organisation, Geneva. 2021-
- Member, IMPT Network of Experts – 2014 – to date
- Member, End-organ Disease and Inflammation Transformative Science Group (ITSG) of the AIDS Clinical Trials Group (ACTG), NIH, USA July 2012- November 2014
- Member, Regional Advisory Panel for Asia & Pacific constituted by the Department of Reproductive Health & Research, World Health Organisation, Geneva – 2006 – 2015
- Member, Experimental Therapeutics Research Advisory Committee, AIDS Clinical Trial Group (ACTG), NIH, USA 2005-06.
- Member, Scientific Advisory Board, Global AIDS Policy Project, Harvard Medical School, USA 2006-2012

- Honorary Member, International Association of Physicians in AIDS Care (IAPAC), USA
- Member, International Sexually Transmitted Diseases Working Group, Family Health International, USA since July 2000-2002.

Professional experience with UN Agencies

- Temporary Advisor, WHO (SEARO), New Delhi, Regional Workshop on Development of Framework on addressing HIV/AIDS in the context of Universal Health Coverage (UHC) by the World Health Organisation, (SEARO) between June 1-3, 2015 at New Delhi
- Member, Regional Advisory Panel for Asia & the Pacific, WHO, Geneva, Eleventh meeting of the Regional Advisory Panel for Asia & the Pacific for Sexually Transmitted Infections organized by the World Health Organisation, Geneva between March 26-28, 2012 at Hua Hin, Thailand
- Member, Regional Advisory Panel for Asia & the Pacific, WHO, Geneva, Eleventh meeting of the Regional Advisory Panel for Asia & the Pacific for Sexually Transmitted Infections organized by the World Health Organisation, Geneva between March 8-12, 2010 at Seam Reap, Cambodia
- Member, Regional Advisory Panel for Asia & the Pacific, WHO, Geneva, Eleventh meeting of the Regional Advisory Panel for Asia & the Pacific for Sexually Transmitted Infections organized by the World Health Organisation, Geneva between March 11-13, 2009 at Bali, Indonesia
- Temporary Advisor, WHO, Geneva, Tenth meeting of the Regional Advisory Panel for Asia & the Pacific for Sexually Transmitted Infections organized by the World Health Organisation, Geneva between February 27-29, 2008 at Kuala Lumpur, Malaysia
- Temporary Advisor, WHO-UNFPA Strategic Partnership Programme- Implementation Review and Planning Workshop for Countries of Intensified Focus (CIF) in Asia and the Pacific Region between March 12-16, 2007 at Yangon, Myanmar.
- Temporary Advisor, WHO, Geneva, Expert Consensus meeting on use of ARV for treating pregnant women and preventing HIV infection in infants and young children organized by WHO between May 18-19, 2006 at Geneva, Switzerland
- Temporary Advisor, WHO-UNFPA Strategic Partnership Programme- Implementation Review and Planning Workshop for Countries of Intensified Focus (CIF) in Asia and the Pacific Region between April 24-27, 2006 at Bangkok, Thailand
- Temporary Advisor, South-East Asia Regional Workshop on Family Planning, STI and Skilled Birth Attendance and Regional Consultation for the Development of the Global Strategy for the Prevention & Control of STI's between August 2-6th, 2004 at Colombo, Sri Lanka
- Temporary Advisor, WHO, Meeting - "*Revision of AIDS Case Definition*" between June 16-18, 2004 at Saas Fee, Switzerland
- Temporary Advisor, UNICEF on PMTCT from October 1, 2002 to January 2003
- Temporary Advisor, UNFPA, Bangladesh between December 14-22, 2002
- Temporary Advisor, UNAIDS, for a meeting on "*Impact of HAART during pregnancy and breastfeeding on MTCT and mother's health research group*" organized by World Health Organization at Geneva on December 3-4, 2001.
- Temporary Advisor, UNAIDS, "*Communication & Public Information Issues on HIV Vaccine Trials*", Geneva, 1-3 March 1999.

C. List of Publications (in reverse chronological order) –

Total -222; h index -21, Total Citations – 3042 (in 2017) and 5 books

Indexed Journals

153. Disha Bhange, Nityanand Prasad, Swati Singh, Harshit Kumar Prajapati, Shesh Prakash Maurya, Bindu Parachalil Gopalan, Sowmya Nadig, Devidas Chaturbhuj, Boobalan Jayaseelan, Thongadi Ramesh Dinesha, Syed Fazil Ahamed, Navneet Singh, Anangi Brahmaiah, Kavita Mehta, Yuvrajsinh Gohil, Pachamuthu Balakrishnan, Bimal Kumar Das, Mary Dias, **Raman Gangakhedkar**, Sanjay Mehendale, Ramesh S Paranjape, Shanmugam Saravanan, Anita Shet, Sunil Suhas Solomon, Madhuri Thakar and Udaykumar Ranga. *The Evolution of Regulatory Elements in the Emerging Promoter-Variant Strains of HIV-1 Subtype C*. Front. Microbiol., 16 November 2021| <https://doi.org/10.3389/fmicb.2021.779472>
152. Mamulwar M, Prasad VS, Nirmalkar A, Goli S, Jadhav S, Kumbhar S, Kale V, Michael E, Ford TM, Nazarov D, Honig L, **Gangakhedkar R**, Thakar M. *Community-based point-of-care testing to identify new HIV infections: A cross-sectional study from Pune, India*. Medicine (Baltimore). 2021 Nov 19;100(46):e27817. doi: 10.1097/MD.00000000000027817.PMID: 34797308.
151. Kurle S, Kandaswami S, Gadhe S, Patil A, Sarkar R, Mehta S, **Gangakhedkar R**, Arumugam V, Chawla U. *HIV-1 Drug Resistance among treatment naïve Transgenders from India*. AIDS Res Hum Retroviruses. 2021 Oct 15. doi: 10.1089/AID.2021.0157. Online ahead of print.PMID: 34652967
150. Sharma M, **Gangakhedkar RR**, Bhattacharya S, Walia K. *Understanding complexities in the uptake of indigenously developed rapid point-of-care diagnostics for containment of antimicrobial resistance in India*. BMJ Glob Health. 2021 Sep;6(9):e006628. doi: 10.1136/bmjgh-2021-006628.PMID: 34580070
149. Rima R. Sahay, Anita M. Shete, Pragma D. Yadav, Savita Patil, Triparna Majumdar, Rajlaxmi Jain, Dimpal A. Nyayanit, Himanshu Kaushal, Sunil J. Panjwani, Kamlesh J. Upadhyay, Chetan L. Varevadiya, Alpesh Vora, Amit Kanani, **Raman R. Gangakhedkar** . *Sequential determination of viral load, humoral responses and phylogenetic analysis in fatal and non-fatal cases of Crimean-Congo hemorrhagic fever patients from Gujarat, India, 2019*. PLoS Negl Trop Dis 2021; 15(8): e0009718. <https://doi.org/10.1371/journal.pntd.0009718>
148. Sahay RR, Shete AM, Yadav PD, Patil S, Majumdar T, Jain R, Nyayanit DA, Kaushal H, Panjwani SJ, Upadhyay KJ, Varevadiya CL, Vora A, Kanani A, **Gangakhedkar RR**. *Sequential determination of viral load, humoral responses and phylogenetic analysis in fatal and non-fatal cases of Crimean-Congo hemorrhagic fever patients from Gujarat, India, 2019*. PLoS Negl Trop Dis. 2021 Aug 30;15(8):e0009718. doi: 10.1371/journal.pntd.0009718. Online ahead of print.PMID: 34460819
147. Walia K, **Gangakhedkar RR**. *Infectious disease blocks in district hospitals to augment India's resolve to contain antimicrobial resistance*. Indian J Med Res. 2021 Apr;153(4):416-420. doi: 10.4103/ijmr.IJMR_4031_20. PMID: 34380787.
146. Penn-Nicholson A, Gomathi SN, Ugarte-Gil C, Meaza A, Lavu E, Patel P, Choudhury B, Rodrigues C, Chadha S, Kazi M, Macé A, Nabeta P, Boehme C, **Gangakhedkar RR**, Sarin S, Tesfaye E, Gotuzzo E, du Cros P, Tripathy S, Ruhwald M, Singh M, Denkinger CM, Schumacher SG; Truenat trial consortium. *A prospective multicentre diagnostic accuracy study for the Truenat tuberculosis assays*. Eur Respir J. 2021 May 28;2100526. doi: 10.1183/13993003.00526-2021. Online ahead of print.PMID: 34049948

145. Jerin Jose Cherian, Manju Rahi, Shubhra Singh, Sanapareddy Eswara Reddy, Yogendra Kumar Gupta, Vishwa Mohan Katoch, Vijay Kumar, Sakthivel Selvaraj, Payal Das, **Raman Raghunathrao Gangakhedkar**, Amit Kumar Dinda, Swarup Sarkar, Puroshottambhai Devshibhai Vaghela and Balram Bhargava. *India's Road to Independence in Manufacturing Active Pharmaceutical Ingredients: Focus on Essential Medicines*. *Economies* 2021, 9, 71. <https://doi.org/10.3390/economies9020071>
144. Kathiresan Jeyashree, Mohankumar Raju, Manickam Ponnaiah, Sendhilkumar Muthappan, Amanda G.A. Rozario, Rose Raichel, W. Lydia Jeris, **Raman R. Gangakhedkar**, Manoj V. Murhekar. *Self-reported and clinically identified loss of smell and taste among persons tested for COVID-19 in Chennai, southern India, July-August 2020: A cross sectional study*. *Clinical Epidemiology and Global Health* 11 (2021) 100718. <https://doi.org/10.1016/j.cegh.2021.100718>
143. Pragya D. Yadav , Raches Ella, Sanjay Kumar, Dilip R. Patil , Sreelekshmy Mohandas , Anita M. Shete, Krishna M. Vadrevu, Gaurav Bhati, Gajanan Sapkal, Himanshu Kaushal, Savita Patil , Rajlaxmi Jain, Gururaj Deshpande, Nivedita Gupta, Kshitij Agarwal, Mangesh Gokhale, Basavaraj Mathapati, Siddhanath Metkari, Chandrashekhar Mote, Dimpal Nyayanit, Deepak Y. Patil, B. S. Sai Prasad, Annasaheb Suryawanshi, Manoj Kadam, Abhimanyu Kumar, Sachin Daigude, Sanjay Gopale, Triparna Majumdar, Deepak Mali, Prasad Sarkale, Shreekant Baradkar, Pranita Gawande, Yash Joshi, Sidharam Fulari, Hitesh Dighe, Sharda Sharma, Rashmi Gunjekar, Abhinendra Kumar, Kaumudi Kalele, Vellimedu K. Srinivas, **Raman R. Gangakhedkar**, Krishna M. Ella, Priya Abraham, Samiran Panda & Balram Bhargava. *Immunogenicity and protective efficacy of inactivated SARS-CoV-2 vaccine candidate, BBV152 in rhesus macaques*. *Nat Commun* 12, 1386 (2021). <https://doi.org/10.1038/s41467-021-21639-w>.
142. NS Gomathi, Manjula Singh, VP Myneedu, DS Chauhan, Srikanth Tripathy, Rohit Sarin, Anant Mohan, Anuj Bhatnagar, Jiten Singh Khangembam, T Kannan, MV V. Rao, Jyoti Logani, Bindu Dey, **RR Gangakhedkar**, Soumya Swaminathan, Urvashi B Singh. *Validation of an indigenous assay for rapid molecular detection of rifampicin resistance in presumptive multidrug-resistant pulmonary tuberculosis patients*. *Indian J Med Res* 152, November 2020, pp 482-489 DOI: 10.4103/ijmr.IJMR_2557_19
141. Sonam Vijay, **Raman R Gangakhedkar**, Chander Shekhar & Kamini Walia. *Introducing a national essential diagnostics list in India*. *Bull World Health Organ* 2021;99:236-238.
140. Jana S, Ray P, Roy S, Kadam A, **Gangakhedkar RR**, Moses S, Becker ML. *Successful integration of HIV pre-exposure prophylaxis into a community-based HIV prevention program for female sex workers in Kolkata, India*. *Int J STD AIDS*. 2021 Feb 18:956462420983992. doi: 10.1177/0956462420983992. Online ahead of print.PMID: 33596735

139. Patil S, Rao A, Pathak P, Kurle S, Mane A, Nirmalkar A, Singhal AK, Verma V, Singh MK, Reddy DCS, Shete A, Singh M, **Gangakhedkar R**, Panda S. Unsterile injection equipment associated with HIV outbreak and an extremely high prevalence of HCV-A case-control investigation from Unnao, India. *PLoS One*. 2020 Dec 4;15(12):e0243534. doi: 10.1371/journal.pone.0243534. eCollection 2020.PMID: 33275646
138. Gomathi NS, Singh M, Singh UB, Myneedu VP, Chauhan DS, Sarin R, Mohan A, Bhatnagar A, Khangembam JS, Kannan T, Rao MVV, Logani J, Dey B, **Gangakhedkar RR**, Swaminathan S, Tripathy S. Multicentric validation of indigenous molecular test Truenat™ MTB for detection of *Mycobacterium tuberculosis* in sputum samples from presumptive pulmonary tuberculosis patients in comparison with reference standards. *Indian J Med Res*. 2020 Oct;152(4):378-385. doi: 10.4103/ijmr.IJMR_2539_19.PMID: 33380702
137. Jeyashree K, Shanmugasundaram D, Rade K, **Gangakhedkar RR**, Murhekar MV. Impact and operational feasibility of TrueNat™ MTB/Rif under India's RNTCP. *Public Health Action*. 2020 Sep 21;10(3):87-91. doi: 10.5588/pha.20.0004.PMID: 33134121
136. Shete A, Bichare S, Pujari V, Virkar R, Thakar M, Ghate M, Patil S, Vyakarnam A, **Gangakhedkar R**, Bai G, Niki T, Hattori T. *Elevated Levels of Galectin-9 but Not Osteopontin in HIV and Tuberculosis Infections Indicate Their Roles in Detecting MTB Infection in HIV Infected Individuals*. *Front Microbiol*. 2020 Jul 17;11:1685. doi: 10.3389/fmicb.2020.01685. eCollection 2020.PMID: 32765475
135. Shete A, Dhayarkar S, Dhamanage A, Kulkarni S, Ghate M, Sangle S, Medhe U, Verma V, Rajan S, Hattori T, **Gangakhedkar R**. *Possible role of plasma Galectin-9 levels as a surrogate marker of viremia in HIV infected patients on antiretroviral therapy in resource-limited settings*. *AIDS Res Ther*. 2020 Jul 16;17(1):43. doi: 10.1186/s12981-020-00298-9.PMID: 32678033
134. Patil A, Elwitigala JP, Rajapaksa L, **Gangakhedkar R**, Chaturbhuj D, Pendse R, Rajapaksha DI, Rewari BB, Malliawadu N, Jayamanna K, Dombawela D, Kurle S. *HIV-1 Pol Gene Diversity and Molecular Dating of Subtype C From Sri Lanka*. *PLoS One*. 2020 Jun 11;15(6):e0234133. doi: 10.1371/journal.pone.0234133. eCollection 2020.PMID: 32525892.
133. Gupta N, Potdar V, Praharaj I, Giri S, Sapkal G, Yadav P, Choudhary ML, Dar L, Sugunan AP, Kaur H, Munivenkatappa A, Shastri J, Kaveri K, Dutta S, Malhotra B, Jain A, Nagamani K, Shantala GB, Raut S, Vegad MM, Sharma A, Choudhary A, Brijwa M, Balakrishnan A, Manjunatha J, Pathak M, Srinivasan S, Banu H, Sharma H, Jain P, Sunita P, Ambica R, Fageria B, Patel D, Rajbongshi G, Vijay N, Narayan J, Aggarwal N, Nagar A, **Gangakhedkar RR**, Abraham P. *Author's Response*. *Indian J Med Res*. 2020 May;151(5):496. doi: 10.4103/0971-5916.286255.PMID: 32611921
132. Mohandas S, Jain R, Yadav PD, Shete-Aich A, Sarkale P, Kadam M, Kumar A, Deshpande G, Baradkar S, Patil S, Sapkal G, Mali D, Salve M, Patil D, Majumdar T, Suryawanshi A, Kaushal H, Lakra R, Dighe H, Gupta N, Abraham P, Gangakhedkar RR. *Evaluation of the susceptibility of mice & hamsters to SARS-CoV-2 infection* *Indian J Med Res*. 2020 May;151(5):479-482. doi: 10.4103/ijmr.IJMR_2235_20. PMID: 32611917
131. Kamble S, Mane A, Sane S, Sonavale S, Vidhate P, Singh MK, **Gangakhedkar R**, Gupte M. *Seroprevalence & seroincidence of Orientia tsutsugamushi infection in Gorakhpur, Uttar Pradesh, India: A community-based serosurvey during lean (April-May) & epidemic (October-November) periods for acute encephalitis syndrome*. *Indian J Med Res*. 2020 Apr;151(4):350-360. doi: 10.4103/ijmr.IJMR_1330_18.PMID: 32461399
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