**RESUME**

**Name :** Dr. Sanghamitra Pati

**Designation :** Director & Scientist-G, ICMR-RMRC, Bhubaneswar.

**Career Interests :** To gather more insight and contribute towards health system

strengthening for disease control through operational research

and OneHealth approach.

**Educational Qualifications:**

* **MBBS**,MKCG Medical College, Odisha, India, 1986- ’91.
* **MD**, MKCG Medical College, Odisha, India., 1995- ’98.
* **MPH**, the University of Maastricht, The Netherlands, 2001.

**Link to Profile page:** <http://www.rmrcbbsr.gov.in/view_scientist_profile.php>

**Publications (Total: >200)**

*List of relevant publications in last 1 year*

1. Bal M, Das A, Ghosal J, Pradhan MM, Khuntia HK, **Pati S**, Dutta A, Ranjit M. Assessment of effectiveness of DAMaN: A malaria intervention program initiated by Government of Odisha, India. ***PLoS One****.* 2020. **(IF=3.24)**
2. Sahoo KC, Negi S, Patel K, Mishra BK, Palo SK, Pati S. Challenges in Maternal and Child Health Services Delivery and Access during Pandemics or Public Health Disasters in Low-and Middle-Income Countries: A Systematic Review. Healthcare (Basel). 2021;9(7):828. **(IF=2.645)**
3. Choudhary HR, Parai D, Dash GC, Kshatri JS, Mishra N, Choudhary PK, Pattnaik D, Panigrahi K, Behera S, Sahoo NR, Podder S, Mishra A, Raghav SK, Mishra SK, Pradhan SK, Sahoo SK, Pattnaik M, Rout UK, Nanda RR, Mondal N, Kanungo S, Palo SK, **Pati S**, Bhattacharya D. Persistence of antibodies against Spike glycoprotein of SARS-CoV-2 in health care workers post double dose of BBV-152 and AZD1222 vaccines. ***Front. Med.*** 8:778129. **(IF=5.01)**
4. Lahiri D, Nag M, Banerjee R, Mukherjee D, Garai S, Sarkar T, Dey A, Sheikh HI, Pathak SK, Edinur HA, **Pati S**, Ray RR. Amylases: Biofilm Inducer or Biofilm Inhibitor? Front Cell Infect Microbiol. 2021;11:660048. **(IF:5.293)**
5. Sinha A, Pati S, Sahoo PK. Investigating immunological interaction between lymphatic filariasis and COVID-19 infection: a preliminary evidence. Hum Vaccin Immunother. 2021;17(12):5150-5152. **(IF-3.452)**
6. **Pati S**, Sinha R, Mahapatra P. Community of practice for healthy longevity: reconfiguring geriatric care during a pandemic. ***The Lancet healthy longevity*** May, 2021. DOI: [10.1016/S2666-7568(21)00056-8](http://dx.doi.org/10.1016/S2666-7568(21)00056-8)
7. Parai D, Choudhary HR, Dash GC, Sahoo SK, Pattnaik M, Rout UK, Nanda RR, Kanungo S, Kshatri JS, **Pati S**, Bhattacharya D. Single-dose of BBV-152 and AZD1222 increases antibodies against Spike glycoprotein among healthcare workers recovered from SARS-CoV-2 infection. ***Travel Med Infect Dis.*** 2021. **(IF= 6.2)**
8. Ghosal S, Sinha A, Kanungo S, **Pati S**. Declining trends in smokeless tobacco use among Indian women: findings from global adult tobacco survey I and II. ***BMC Public Health.*** 2021;21(1):2047. **(IF=3.3)**
9. Dash GC, Subhadra S, Turuk J, Parai D, Rath S, Sabat J, Rout UK, Kanungo S, Choudhary HR, Nanda RR, Pattnaik M, **Pati S**, Bhattacharya D. Breakthrough SARS-CoV-2 infections among BBV-152 (COVAXIN**®**) and AZD1222 (COVISHIELDTM) recipients: Report from eastern state of India. ***J Med Virol.***2021. **(IF= 2.4)**
10. Bhattacharya D, Parai D, Rout UK, Dash P, Nanda RR, Dash GC, Kanungo S, Palo SK, Giri S, Choudhary HR, Kshatri JS, Turuk J, Mishra BK, Lenka RK, Dash S, Pati S. Saliva for diagnosis of SARS-CoV-2: First report from India. J Med Virol. 2021;93(4):2529-2533. **(IF-2.4)**
11. Rana K, Nayak SR, Bihary A, Sahoo AK, Mohanty KC, Palo SK, Sahoo D, Pati S, Dash P. Association of quorum sensing and biofilm formation with Salmonella virulence: story beyond gathering and cross-talk. ***Arch Microbiol.*** 2021. **(IF= 2.55)**
12. **Pati S**, Mahapatra P, Dwivedi R, Ramesh A, Sahoo KC, Samal M, Das RC, Akhtar HM. Multimorbidity and Its Outcomes Among Patients Attending Psychiatric Care Settings: An Observational Study From Odisha, India. ***Front. Public Health***, 2021. **(IF= 2.483)**
13. Kshatri JS, Bhattacharya D, Kanungo S, Giri S, Palo SK, Parai D, Turuk J, Mansingh A, Choudhary HR, Pattnaik M, Dash GC, Mohanty P, Mishra N, Satapathy DM, Sahoo SK, **Pati S**; ICMR-RMRC [OdiSHA-COVID-19] Serosurvey Team. Serological surveys to inform SARS-CoV-2 epidemic curve: a cross-sectional study from Odisha, India. ***Sci Rep.*** 2021 May 18;11(1):10551. DOI: [10.1038/s41598-021-89877-y](https://doi.org/10.1038/s41598-021-89877-y). PMID: 34006960; PMCID: PMC8131641. **(IF-3.998)**
14. Dwivedi GR, Khwaja S, Negi AS, Panda SS, Swaroop Sanket A, **Pati S**, Gupta AC, Bawankule DU, Chanda D, Kant R, Darokar MP. Design, synthesis and drug resistance reversal potential of novel curcumin mimics Van D: Synergy potential of curcumin mimics. ***Bioorg Chem***. 2021;106:104454. DOI:[10.1016/j.bioorg.2020.104454](http://dx.doi.org/10.1016/j.bioorg.2020.104454) **(IF:4.831)**
15. Parai D, Dash GC, Choudhary HR, **Pati S**, Bhattacharya D. Antibody response to SARS-CoV-2 infection among health workers: a report from India. eletter. ***Science Immunology*** 2021. **(IF=13.44)**
16. Murhekar MV, Bhatnagar T, Selvaraju S, Saravanakumar V, Thangaraj JWV, Shah N, Kumar MS, Rade K, Sabarinathan R, Asthana S, Balachandar R, Bangar SD, Bansal AK, Bhat J, Chopra V, Das D, Deb AK, Devi KR, Dwivedi GR, Khan SMS, Kumar CPG, Kumar MS, Laxmaiah A, Madhukar M, Mahapatra A, Mohanty SS, Rangaraju C, Turuk A, Baradwaj DK, Chahal AS, Debnath F, Haq I, Kalliath A, Kanungo S, Kshatri JS, Lakshmi GGJN, Mitra A, Nirmala AR, Prasad GV, Qurieshi MA, Sahay S, Sangwan RK, Sekar K, Shukla VK, Singh PK, Singh P, Singh R, Varma DS, Viramgami A, Panda S, Reddy DCS, Bhargava B; ICMR Sero surveillance Group. SARS-CoV-2 antibody seroprevalence in India, August-September, 2020: findings from the second nationwide household serosurvey. ***Lancet Glob Health***. 2021 Mar;9(3):e257-e266. DOI:[10.1016/S2214-109X(20)30544-1](https://doi.org/10.1016/S2214-109X(20)30544-1) **(IF=21.597)**
17. Local Burden of Disease Educational Attainment Collaborators. Mapping disparities in education across low- and middle-income countries. Nature. 2020;577(7789):235-238. **(IF=49.96)**
18. Choudhary HR, Parai D, Dash GC, Peter A, Sahoo SK, Pattnaik M, Rout UK, Nanda RR, **Pati S**, Bhattacharya D. IgG antibody response against nucleocapsid and spike protein post-SARS-CoV-2 infection. ***Infection***. 2021 Jul 2:1–4. doi:10.1007/s15010-021-01651-4. Epub ahead of print. PMID: 34213733; PMCID: PMC8249824. (**IF: 3.553**)
19. Kshatri JS, Bhoi T, Barik SR, Palo SK, **Pati S**. Is multimorbidity associated with risk of elder abuse? Findings from the AHSETS study. *BMC Geriatr*. 2021 Jul 3;21(1):413. <https://doi:10.1186/s12877-021-02347-y> . PMID: 34217225. **(IF:3.921)**
20. Bhattacharya D, Kshatri JS, Choudhary HR, Parai D, Shandilya J, Mansingh A, Pattnaik M, Mishra K, Padhi SP, Padhi A, **Pati S**. One Health approach for elimination of human anthrax in a tribal district of Odisha: Study protocol. ***PLoS ONE*** 2021; 16(5): e0251041 **(IF: 2.74)**