

# *Curriculum Vitae*

## **Dr Rajesh Kumar Verma**

Professor and Head

MBBS- KGMU Lucknow

MD (Microbiology) – SGPGIMS Lucknow

Email- [rshverma@gmail.com](mailto:rshverma@gmail.com)

## **Research areas:**

Various aspects of diagnostic approaches in Dengue and Hepatitis viruses and the molecular mechanisms involved in the pathogenesis.

Molecular mechanisms and drug resistance in bacteriology esp in hospital acquired infections and infectious diseases.

## **Projects:**

### **Nodal officer and PI –**

Viral Research and Diagnostic Laboratory, under the DHR scheme for “Establishment of a network of Laboratories for Managing Epidemics and Natural Calamities” during the 12th Plan period. (Funded by ICMR)

### **Nodal Officer –**

State Reference Lab for Viral Hepatitis (Funded by the National Viral Hepatitis Control Program)

## **Publications:**

**Books:** 2

**Book Chapter:** 1

**Original Research:** 28

**Case Reports:** 2

## **Awards:**

- Certificate of appreciation during Corona pandemic by Department of Medical Education and Training, Govt of UP
- Award for exemplary services during COVID pandemic by IMA Etawah
- Award of Corona Warrior by Uttar Pradesh University of Medical Sciences
- Corona Warrior Award by Brahm Kumaris Ishwariya University Mount Abu
- Certificate for Outstanding Service as an Online Mentor of the ASM Minority Mentoring Program, by American Society of Microbiology

## Memberships of National/International Bodies:

- Life Member of Indian Association of Medical Microbiologists
- Life Member of Indian Association of Medical Microbiologists (UP Chapter)
- Life Member of Indian Association of Tropical Parasitology
- Life Member of International Society of Infectious Diseases
- Annual Member of American Society of Microbiology

## Other Assignments:

- NMC Inspector of both MBBS and MD courses pan India as per appointment by NMC India
- MBBS and MD Examiner of Various State and Central Universities.
- Nodal officer and In charge of COVID Lab
- In Charge Bacteriology Lab
- In charge Virology Lab

## Publications:

1. Mussadiq S, **Verma RK**, Singh DP, Bajpai PK, Begum N, Kumar S. An epidemiological study and trend analysis of laboratory confirmed COVID-19 cases among children in North India. *J Family Med Prim Care* 2022;11:542-6.
2. V. Yadav, R K verma, **D P singh**, R Rawat and S Saraswat. Association of levels of Vitamin-D and Mannose binding lectin in cases of dengue fever in rural India. *IJPSR*,2022;vol13(3): 1259-1266
3. Neha Khurana, **R K Verma**, DP Singh et al. Effectiveness of the pool testing of COVID-19 suspects in a resource limited country. *IJMSCR*, vol 4, issue 2, march April 2021 page 86-90
4. Dharmendra P Singh, **Rajesh K Verma**, Swati Saraswat, Satender Saraswat. Non-Candida albicans Candida species: Virulence factors and species identification in India *Curr Med Mycol*, 2021, 7(2):8-13.
5. Singh R, **Verma RK**, Kumari S, Singh A, Singh DP. Rapid identification and susceptibility pattern of various *Candida* isolates from different clinical specimens in a tertiary care hospital in Western Uttar Pradesh. *Int J Res Med Sci* 2017;5:3466-8.
6. Diwakar J, **Verma RK**, Singh DP, Singh A, Kumari S. Phenotypic detection of carbapenem resistance in gram negative bacilli from various clinical specimens of a tertiary care hospital in Western Uttar Pradesh. *Int J Res Med Sci* 2017;5:3511-4.
7. Singh DP, **Verma RK**, Singh A, Kumar S, Mishra V, Mishra A. A retrospective study of fungal corneal ulcer from the western part of Uttar Pradesh. *Int J Res Med Sci* 2015;3:880-2.
8. **Rajesh Kumar Verma**, Dharmendra Prasad Singh, Rajkumar, Amit Singh, “Novel Coronavirus Disease (COVID-19): A Comprehensive Review.”, *IJMACR*- March - April - 2020, Vol – 3, Issue - 2, P. No. 214 – 222.
9. Sunita Kumari, **Rajesh Kumar Verma**, Dharmendra Prasad Singh, Ramakant Yadav. Comparison of Antigen Detection and Nested PCR in CSF Samples of HIV Positive

- and Negative Patients with Suspected Cryptococcal Meningitis in a Tertiary Care Hospital. *Journal of Clinical and Diagnostic Research*. 2016 Apr, Vol-10(4): DC12-DC15
10. Kumar D, **Verma RK**, Singh A, Kumar M, Singh DP, Pandey R, et al. Evaluation of NS1, IgM ELISA and RT-PCR in diagnosis of dengue fever. *Int J Res Med Sci* 2018;6:2440-3.
  11. **Verma RK**, Singh DP, Kumari S and Siddique ME: Evaluation of NS1 Antigen-Capture Elisa And IgM Antibody Capture Elisa In Acute Cases of Dengue In Rural Population in a Tertiary Care Teaching Hospital In Western Uttar Pradesh India. *Int J Pharm Sci Res* 2016; 7(4): 1780-84.doi: 10.13040/IJPSR.0975-8232.7(4).1780-84.
  12. **Rajesh Kumar Verma**, Diwakar Jyoti, Dharmendra Prasad Singh, “Molecular detection of carbapenemase producing genes in gram negative bacilli isolated from clinical specimens at a tertiary care center in rural population in Northern India.”, *IJMACR- May- June - 2020, Vol – 3, Issue -3, P. No. 104– 110*.
  13. Kumar M, **Verma RK**, Nirjhar S, Singh M. Seroprevalence of Hepatitis B at Tertiary Care Hospital. *Ann. Int. Med. Den. Res.* 2019; 5(3): MB05-MB08.
  14. Kumar M, **Verma RK**, Singh M et.al. Seroprevalence of HCV infection at a tertiary care hospital, western Uttar Pradesh, India. *International Journal of Research and Review*. 2019; 6(4):1-5.
  15. Kumar M, **Verma RK**, Mishra B. The prevalence of dengue fever in Western Uttar Pradesh, India: A gender-based study. *Int J App Basic Med Res* 2020;10:8-11.
  16. **Verma RK**, Singh DP, Yadav R, Rawat R. Comparative evaluation of antigen detection ELISA and reverse transcriptase PCR in acute stage of Japanese encephalitis prevalent in endemic areas of North-Eastern part of Uttar Pradesh, India. *Int J Res Med Sci* 2015;3:3217-23.
  17. Kumar M, **Verma RK**, Nirjhar S, Singh M. Dengue in children and young adults, a cross-sectional study from the western part of Uttar Pradesh. *J Family Med Prim Care* 2020;9:293-7.
  18. Singh DP, **Verma RK**, Singh A, Kumari S and Siddique ME: A Retrospective Study of Malaria from Western Part of Uttar Pradesh, India. *Int J Pharm Sci Res* 2016; 7(8): 3493-96.doi: 10.13040/IJPSR.0975-8232.7(8).3493-96.
  19. Neha Khurana, **Rajesh Kumar Verma**, Bhanu Pratap Singh, “Evaluation of Leukocyte esterase, Nitrite and Blood in urine by dipstick as a point of care test in cases of UTI in a resource limited country.”, *IJMACR- May- June - 2020, Vol – 3, Issue -3, P. No. 08 – 12*.
  20. Singh R, Hussain S, **Verma R**, Sharma P. Anti-mycobacterial screening of five Indian medicinal plants and partial purification of active extracts of *Cassia sophera* and *Urtica dioica*. *Asian Pac J Trop Med*. 2013 May 13;6(5):366-71. doi: 10.1016/S1995-7645(13)60040-1. PMID: 23608375.
  21. Kumar M, **Verma RK**, Kumar D et. al. Recent trends in clinical presentation in cases of dengue presenting at tertiary care hospital. *International Journal of Science & Healthcare Research*. 2019; 4(1): 356-361.

22. **Verma RK**, Rawat R, Singh A, Singh DP, Verma V. *Sphingobacterium multivorum* causing fatal meningoencephalitis: a rare case report. *Int J Res Med Sci* 2014;2:1710-2.
23. **Verma RK**, Kannaujia S, Khurana N, Singh A, Singh DP, Kumar A. Clinical correlation of severe acute respiratory syndrome-coronavirus-2 cases in selected districts of Uttar Pradesh: A cross-sectional hospital-based study. *J Edu Health Promot* 2020;9:357.
24. Dharmendra P singh, **Rajesh Kumar Verma**, Jitendra Chauhan, Ankita Sharma, satender Saraswat. A rare case report of post Covid-Mucormycosis-Aspergillosis co-infection. *Microbiologia Medica* 2021; Vol36:9918
25. Sinha S, Singh A, **Verma RK**, Singh DP, Kumari S. Prevalence of metallo-beta-lactamases (MBLs) producing *Pseudomonas aeruginosa* in hospitalized patients in rural tertiary care hospital in Uttar Pradesh, India. *Int J Res Med Sci* 2018;6(9):3099-3104.
26. Saini D, Singh A, Kumar A, Rawat R, **Verma RK**, Singh DP. Patients of extrapulmonary tuberculosis in tertiary care hospital. *Int J Res Med Sci* 2017;5(8); 3530-3533.

#### **Book Chapter:**

27. Bhagat Singh, Dheer Singh, Kamal Pant, Ramakant Yadav, Raj Kumar, Rajesh Verma, Renu Singh, Satender Saraswat. A Review on Current Status of SARS CoV-2 (2019-nCoV): Its Diagnosis and Challenges. *Highlights on Medicine and Medical Sciences (Book Chapter)*. *IJMSCR*, 3(4): 462-68, 2020
28. Pandey R, Singh A, Singh DP, **Verma R K**, Kumar M, Kumar D. Scenario of mycobacterial and fungal infection in HIV seropositive patients and their co-relation with CD4 count in Western Uttar Pradesh. *Int Res Med Sci* 2018;6(7);2473-2478.
29. Jaiswal S, Singh A, **Verma RK**, K Singh DP, Kumari S. Characterization, speciation and antimicrobial resistance pattern of *Enterococcus* species isolated from clinical specimens at a rural tertiary care hospital. *Int J Res Med Sci* 2017;5(8); 3484-3487.

#### **Books Published:**

30. *Practical Microbiology for Undergraduates: A comprehensive Manual*. Published by Lambert Germany, 2012. ISBN: 978-659-29463-3
31. *NS1 Antigen ELISA & RT-PCR in Acute Phase of Japanese Encephalitis*. Rajesh Kumar Verma, T N Dhole, A Ayyagari. Published by Lambert Germany, 2012. ISBN: 978-659-28435-9