

# Curriculum Vitae

## **Yadav, Santosh Kumar**

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Date of Birth: April 28, 1992

## ACADEMIC QUALIFICATIONS

Degree	Attended Institution	Passed Year	Score	Division
M.Sc. Clinical Microbiology	Institute of Medicine, Tribhuvan University, Nepal	2018	807/1100 (73.36 %)	First (First in University)
B.Sc. Microbiology	Tribhuvan University, Nepal	2014	1019/1400 (72.79%)	First
XII Standard	Higher Secondary Education Board, Nepal	2010	642/1000 (64.20%)	First
X Standard	Janta Sec School, Sukhipur, Nepal	2008	555/800 (69.38%)	First

## PUBLICATIONS

### Journal Articles :

1. Sharma B, **Yadav SK**, Khanal A, Shakya B, Shrestha K, Aryal S, et al. Fecal Carriage of Extended-Spectrum beta-Lactamase Producing *Escherichia coli* among Health Science Students. *J Nepal Health Res Counc* 2022;20:160–5. <http://jnhrc.com.np/index.php/jnhrc/article/view/3872>
2. Mishra M, **Yadav S**, Mishra S, Ratho R. Molecular detection and characterization of dengue isolates circulating in north India. *Iran J Microbiol.* 2022;14(1):104-111. <http://dx.doi.org/10.18502/ijm.v14i1.8811>.
3. Sapkota G, **Yadav SK**, Adhikari S, Lakhey M, Mishra SK. Beta-Lactamases in a Tertiary Care Hospital: “Biological Quake” Knocking at the Door. *J Karnali Acad Heal Sci* 2021;4:1–9. <http://jkahs.org.np/jkahs/index.php/jkahs/article/view/372>.
4. Bhujel R, Mishra SK, **Yadav SK**, Bista KD, Parajui K. Comparative study of Amsel’s criteria and Nugent scoring for diagnosis of bacterial vaginosis in a tertiary care hospital, Nepal. *BMC Infect Dis* 21, 825 (2021). <https://doi.org/10.1186/s12879-021-06562-1>.
5. **Yadav SK**, Sharma S, Mishra SK, Sherchand JB. A Tale of  $\beta$ -Lactamases and Multidrug Resistance in *Pseudomonas aeruginosa* Isolated from Inpatients in a University Hospital. *J Inst Med Nepal* 2021;43:19–24. <http://www.jiomnepal.com.np/index.php/jiomn/article/view/167/145>.
6. **Yadav SK**, Bhujel R, Mishra SK, Sharma S, Sherchand JB. Carbapenem Resistance in Non-Fermentative Gram- Negative Bacilli Isolated from Intensive Care Unit Patients of a Referral Hospital. *J Nepal Health Res Counc* 2021;19:55–61. <https://doi.org/10.33314/jnhrc.v19i1.3240>.
7. Sapkota B, **Yadav SK**, Dhungana G, Ansari S, Mishra SK. Intestinal Carriage of Extended-Spectrum  $\beta$ -Lactamase- (ESBL-) Possessing *Escherichia coli* and *Klebsiella* Species among Nepalese Health Science and Non-Health Science Students. *Can J Infect Dis Med Microbiol* 2021;2021:1–7. <https://doi.org/10.1155/2021/4767429>.

8. Mishra SK, Maharjan S, **Yadav SK**, Sah NP, Sharma S, Parajuli K, et al. Bacteria on Medical Professionals' White Coats in a University Hospital. *Can J Infect Dis Med Microbiol* 2020;2020:1–6. <https://doi.org/10.1155/2020/5957284>.
9. **Yadav SK**, Bhujel R, Mishra SK, Sharma S, Sherchand JB. Emergence of multidrug-resistant non-fermentative gram negative bacterial infection in hospitalized patients in a tertiary care center of Nepal. *BMC Res Notes* 2020;13:1–6. <https://doi.org/10.1186/s13104-020-05163-6>.
10. **Yadav SK**, Bhujel R, Hamal P, Mishra SK, Sharma S, Sherchand JB. Burden of Multidrug-Resistant *Acinetobacter baumannii* Infection in Hospitalized Patients in a Tertiary Care Hospital of Nepal. *Infect Drug Resist* 2020;13:725–32. <https://doi.org/10.2147/IDR.S239514>.
11. Bhujel R, **Yadav SK**, Shrestha K, Sah R, Kattel HP, Shah NP, et al. *Strongyloides stercoralis* hyperinfection syndrome in patient with non-proliferative glomerulopathy. *J Inst Med* 2017;39:112–4.

### Conference Abstracts:

1. **Yadav SK**, Sherchand JB. High Antibiotic Resistance among *Pseudomonas aeruginosa* in a Tertiary Care Nepalese Hospital. ASM Microbe Online, Summer Sci., American Society for Microbiology (ASM), Washington, DC, USA; 2020.
2. **Yadav SK**, Sherchand JB. Drug resistance in *Acinetobacter baumannii*: A big worriment for infection in hospitalized patients. *Int J Infect Dis* 2020;101:53. <https://doi.org/10.1016/j.ijid.2020.09.171>.
3. **Yadav SK**, Sharma S, Sherchand JB. Multidrug Resistant *Acinetobacter baumannii* Infection in a Tertiary Care Hospital of Nepal. Fifth Natl. Summit Heal. Popul. Sci. Nepal, Kathmandu, Nepal: Nepal Health Research Council (NHRC); 2019, p. 66–7.
4. **Yadav SK**, Bhujel R, Kattel HP, Sharma S, Parajuli K, Sherchand JB. Non-fermentative Gram Negative Bacilli Infection and Their Antimicrobial Susceptibility Pattern among Hospitalized Patients in a Tertiary Care Hospital, Kathmandu. Fourth Natl. Summit Heal. Popul. Sci. Nepal, Kathmandu, Nepal: Nepal Health Research Council (NHRC); 2018, p. 117.

### Newspaper Article:

1. Monkeypox: Should Nepal be concerned? <https://english.onlinekhabar.com/monkeypox-nepal-concerns.html>

### PROFESSIONAL EXPERIENCES

#### April 2022 to Present

Employer	National Antimicrobial Surveillance Laboratory, National Public Health Laboratory, Ministry of Health and Population, Kathmandu, Nepal <a href="http://www.nphl.gov.np">www.nphl.gov.np</a>
Position	Microbiologist

#### November 2018 to April 2022

Employer	Rajarshi Janak University, Janakpurdham, Nepal <a href="http://www.rju.edu.np/www.rjuuc.edu.np">www.rju.edu.np/www.rjuuc.edu.np</a>
Position	Assistant Lecturer (Microbiology)

#### June 2020 to September 2020

Employer	Province Public Health Laboratory, Madhesh Province, Janakpurdham, Nepal <a href="http://pphl.p2.gov.np">pphl.p2.gov.np</a>
Position	Clinical Microbiologist in COVID-19 PCR Laboratory

August 2018 to August 2019

Employer	Quality Reference Laboratory, Janakpurdham, Nepal
Position	Microbiologist (Part-Time)

## RESEARCH EXPERIENCE

- Completed research on “Non-Fermentative Gram-Negative Bacilli Infection and Their Antimicrobial Susceptibility Pattern Among Hospitalized Patients in A Tertiary Care Hospital, Kathmandu” as a principal investigator (2018).
- Supported in research related to antimicrobial resistance and infectious vaginitis.

## CORE SKILLS

- Microbiological techniques
- Nucleic acid extraction
- VITEK
- Academic writing
- Library preparation and gene sequencing on Nanopore platform
- Laboratory quality control and documentation
- Bacterial and Fungal Culture
- Polymerase chain reaction
- MALDI-TOF-MS
- Mendeley/Endnote/SPSS
- AST
- Research and analysis
- MS Excel/Word/PPT

## AWARDS AND GRANTS

- Nepal Vidya Bhushan “Kha” (Gold Medal) from the Government of Nepal (2019).
- Travel Grant from University Grant Commission (UGC), Nepal to attend 19th International Congress on Infectious Diseases (ICID), Malaysia (Cancelled due to COVID-19 Pandemic).
- Post Graduate Health Research Grant from Nepal Health Research Council (NHRC) (2017).

## TRAINING

Training Title	Duration	Organizer
Hand-On Training on Multiplex PCR for <i>Vibrio cholerae</i>	15-17 Nov 2022	National Public Health Laboratory, Nepal/International Vaccine Institute
Ethics in Health Research, Writing and Publication	13 and 15 Nov 2022	National Public Health Laboratory, Nepal and Nepal Association of Medical Editors (NAME)
Training on One Health AMR Surveillance- using DHIS2 for Data Analysis and Visualization	11-13 Oct 2022	National Public Health Laboratory, Nepal
Training on Polymerase Chain Reaction applications to Detect Antimicrobial Resistance	21-23 Sep 2022	National Public Health Laboratory, Nepal and FHI 360 Nepal
Rapid Response Team- Training of Trainers	16-19 Aug 2022	Epidemiology and Disease Control Division, Nepal and WHO Nepal
Data Management and Analysis	24-29 Oct 2021	Nepal Health Research Council
Scientific Writing	12-14 Sept 2021	Nepal Health Research Council

Health Research Proposal Development and Research Management	29 Aug-03 Sep 2021	Nepal Health Research Council
Research Proposal and Report Writing	20-24 June 2021	Rajarshi Janak University, Nepal
Systematic Review and Meta-Analysis	13-18 June 2021	Nepal Health Research Council
Antimicrobial Stewardship: A competency-based approach	20 April 2020	World Health Organization
Health-Related Research	11 Nov-15 Dec 2019	Research4Life: Hinari

### **MEMBERSHIP**

- Registered Medical Microbiologist, Nepal Health Professional Council (Reg. No.: 129 Med. Micro).
- Global outreach member, American Society for Microbiology.
- Member, British Society for Antimicrobial Chemotherapy
- Member, Genome Consortium Nepal, 2022.

### **DECLARATIONS**

I hereby declare that all the details mentioned above are in accordance with the truth and fact as per my knowledge and I hold the responsibility for the correctness of the above-mentioned particulars.



Mr. Santosh Kumar Yadav