

Staff details

Department Name: Faculty of Life Sciences

1) Basic Details:

Photo:



Name: Mr. Yogendra Kumar Verma

Designation: Assistant Professor, Faculty of Life Sciences MU

Qualification:

- ❖ Ph.D. (Pursuing), MRes. Med Molecular Biology & Genetics, M. Sc. Microbiology
- ❖ GATE, ICMR -SRF, CET-UP (PhD)
- ❖ Commonwealth Share Scholarship (United Kingdom), MEXT Scholarship (Japan)
- ❖ North-West Cancer Research (NWCR) scholarship award in year 2015 from Bangor University, North-Wales United Kingdom
- ❖ Merit Scholarship award (2013) from University of Bedfordshire, United Kingdom

Area of Interest: Medical Molecular Biology, Microbiology, Immunology, Genetic Engineering, Cancer Biology, Probiotics, Nutraceutical,

Work Experience: 2.6 years Teaching and 08 years Research Experience (Mandsaur University, School of Medical Science, Bangor University, United Kingdom; All India Institute of Medical Science New Delhi; Indian Institute of Toxicology Research, Lucknow)

Email Id: yogendra.verma@meu.edu.in

2) Publication Details:

Citation Index:

1. Google Scholar -

<https://scholar.google.com/citations?user=mfqYpmEAAA&hl=en&authuser=1>

	All	Since 2018
<u>Citations</u>	49	27
<u>h-index</u>	4	3
<u>i10-index</u>	2	1

Research & Review Articles:

1. Raghavendra Rao M.V, Hitesh Lakshmi Billa, Mohammed Ismail Nizami, Narayanan M, **Yogendra Kumar Verma**, and Aruna Kumari.B 2022; "Meticulously, keep an eye on Wormy lung infections" in International Journal of Current Medical And Pharmaceutical Research, Vol. 8, Issue, 06(A), pp. 282-286, 2022.
2. M. V. Raghavendra Rao*, P. Adarsh Meher Nisanth, Mary Sowjanya, Dilip Mathai, Tina Priscilla, **Yogendra Kumar Verma**, Badam Arunakumari 2022; "Appraisal of emergency diagnosis and treatment of snake bite cases – A case report and review of literature" Global Journal of Innovation in Medical Sciences: January-March 2022, Volume 1, Issue 1, Pages: 01-10.
3. Raghavendra Rao M.V, Dilip Mathai, Surender Reddy, **Yogendra Kumar Verma** et. al. 2022; "Is covid19 suicide storm a beginning of a lasting peace April 2022?" published in the Indian Journal of Applied Research - Volume - 12 Issue - 04 April – 2022
4. Raghavendra Rao M. V, Mubasheer Ali, Vijay Kumar Chennamchetty, Dilip Mathai, Tina Priscilla,

- Yogendra Kumar Verma**, et. al. 2021 “The Triple Threat of the Covid-19 Pandemic- (White, Yellow and Green Fungus) in the SSRG International Journal of Medical Science Volume 8 Issue 8, 8-14, Aug, 2021
5. Raghavendra Rao M. V, Mubasheer Ali, **Yogendra Kumar Verma**, et. al. 2021 “MRSA remains a great priority due to the tremendous mortality --- a bird's eye view” published in the GJRA - global journal for research analysis; volume - 10, issue - 11, November – 2021.
 6. Raghavendra Rao.M. V, Mubasheer Ali, **Yogendra Kumar Verma**, et.al 2021. “Understanding nSARS-CoV-2 and Pneumonia Co-infection-Review” SSR Inst. Int. J. Life Sci. Volume 07 Issue 06 Page 3101
 7. Raghavendra Rao M.V., Mubasheer Ali, **Yogendra Kumar** et. al. 2021 “The Sky Gets Dark Slowly in View of the Emergence of “The Super Omicron Variant” Vol 4, Iss 4 page 53-59, MEJAST.
 8. Raghavendra Rao.M. V, Mubasheer Ali, **Yogendra Kumar Verma**, et.al. Is Genetic Obesity a boon or Bane? Vol. 7 No. 12 (2021): December ISSUE, International Education and Research Journal.
 9. Raghavendra Rao MV*, Siva Anoop Yella, Mohammed Khaleel, **YK Verma**, Srinivasa Rao D, “Is Brain Aggression a Mystery?” Published in the EC NEUROLOGY 13.8 (2021): 11-20.
 10. MK Verma, F Xavier, **YK Verma**, K Sobha (2013), Evaluation of cytotoxic and anti-tumor activity of partially purified serine protease isolate from the Indian earthworm *Pheretima posthuma*, Asian Pacific, Journal of Tropical Biomedicine 3 (11), 896-90; <http://www.ncbi.nlm.nih.gov/pmc/articles/PMC3793163/>
 11. **YK Verma**, MK Verma (2012), CT gene modulate differential expression of chitinase gene under variant habitats in *Vibrio cholerae*, Asian Pacific Journal of Tropical Disease 3 (1), 20-25, <http://www.apjctm.com/zz/20131/5.pdf>
 12. MK Verma, **YK Verma**, K Sobha, SK Dey (2013), CURRENT PROSPECTS OF NANO-DESIGNS IN GENE DELIVERY-AIMING NEW HIGH FOR EFFICIENT AND TARGETED GENE THERAPY, ISSN 0976 –1047, <http://www.ijbonline.com/article/145-165.pdf>
 13. Mahendra K Verma, **Yogendra K Verma** (2012), New Generation Expression Host System-Aiming high for commercial production of recombinant protein, ISSN: 2278-3008 Volume 1, Issue (July- August 2012), PP 09-16, <http://iosrjournals.org/iosr-jpbs/papers/vol1-issue3/B0130916.pdf>

Book Chapter

1. Mahendra K.Verma, **Yogendra Kumar Verma**, and M.V.Raghavendra Rao 2022; “Chapter 11 - SARS, MERS, nSARS-CoV-2 infections and diseases: Emerging threats to public health” in Nanotechnological Applications in Virology 2022, Pages 235-252.
2. M.K.Verma, **Y.K.Verma**, H.S.Mann, Thomas Briese and Rashmi Chowdhary 2022; "Chapter 2 - Lesson learned from coronaviruses (SARS-CoV, MERS-CoV, and SARS-CoV-2) and socioeconomic impact of (SARS-CoV-2) pandemic” in Advanced Biosensors for Virus Detection - Smart Diagnostics to Combat SARS-CoV-2. 2022, pp. 19-36

3) Conference/ Workshop/ Seminar/FDP Details:

1. **Yogendra Kumar Verma** presented a research paper on “PCR based molecular detection and genotyping of *Helicobacter pylori* infection in patient with gastrointestinal disease in Mandsaur Madhya Pradesh” international conference on biotechnological innovation in agriculture environment and health (CBIAEH-2022) organized by the department of biotechnology, school of agriculture and biosciences, Karunya Institute of Technology and Sciences, Coimbatore, India 24th and 25th March 2022.
2. **Yogendra Kumar Verma** oral presented on “isolation and identification of *Helicobacter pylori* through PCR molecular techniques from peptic ulcerated gastric patient from Mandsaur Madhya Pradesh” at Emerging Trends in Agriculture and Biological Sciences (14th & 15th January 2022) organized by society for Bioinformatics and Biological Sciences and Applied research and Development organization, India.
3. **Y.K. Verma** & T. Caspari “Human RAD9B variant 2 regulates the phosphorylation of CHK2 Kinase”, has been accepted for a poster presentation at the Conference in India International Science Festival - October 05 –08, 2018, Lucknow India.

4. **Y.K. Verma**, S. Aljohani, T. Caspari “Human RAD9B variant 2 regulates the phosphorylation of CHK2 Kinase”, has been accepted for a poster presentation at the Conference in Cell-VIB Symposium: Hallmarks of Cancer -December 11 –13, 2016, Ghent, Belgium.
5. Mahendra Kumar Verma and **Yogendra Kumar Verma**, Antimicrobial Potential of Earthworm Celomic Fluid: Isolation, Purification and Characterization study, ISEHT2012, Vikramasimhapuri University, Nellore, July 15-17, 2012.
6. **Yogendra Kumar Verma**, Francis Xavier, P. Venketeswara Rao and Mahendra Kumar Verma Microbial Intelligence and Quorum Sensing Led Adaptation and Survival to Microbial Population in various habitats, ISEHT2012, Vikramasimhapuri University, Nellore, July 15-17, 2012.
7. Mahendra Kumar Verma and **Yogendra Kumar Verma**, New generation Sequencing and SNP Analysis by Sequencher 5- An ideal platform for In-silico analysis High Throughput Technologies in Bioinformatics, National Conference, Karunya University, August 23-24, 2012, Coimbatore.

Professional training

1. Mr. Yogendra Kumar Verma coordinated One-Week online National Training on “BIOLOGICAL DATA ANALYSIS USING EXCEL AND POWERPOINT (BDAEP-2022)” Organized by Faculty of Life Sciences, Mandsaur University, Mandsaur during 24th–30th January 2022.
2. Worked under the guidance of Mr. B. Suresh Babu (Oct 2010 –March 2011) Department of Biotechnology R.V.R. & J.C. College of Engineering, Guntur, Andhra Pradesh in the Bioinformatics for Modeling and docking study of serratiopeptidase an anti-inflammatory drug molecule.
3. Three Months Sept.2006 to Dec 2006 for The Study of biochemical and Microbial Quality in processed food at Food and Vegetable Processing Company, Jumbo International, Jumbo House Okhla-III New Delhi.
4. Six months (Jan 2006-June 2006) dissertation in the Department of Microbiology at Allahabad Agriculture Institute Deemed University Allahabad Topic: Comparative Microbiological Analysis of salted and Unsalted Butter sold in Allahabad City.
5. Research training: Four Months June 2005-Sept 2005 at Department of Microbiology, Sanjay Gandhi Post Graduate Institute of Medical Sciences, Lucknow, Topic: “Isolation and Identification of *H. pylori* through PCR Technique form Gastric patients” in Microbiology Lab.

Technical Skills

1. **Molecular Biology:** DNA/RNA Isolation, plasmid Isolation, cloning and expression in bacterial □ systems, transformation, is blotting technique, PCR, RTPCR, Real-Time PCR, Agarose gel electrophoresis.
2. **Protein Purification:** Isolation and purification of proteins, Electrophoresis (native and SDS - PAGE), Western Blotting, Iso-electrophoresis, and Chromatography: ion exchange, gel-filtration and affinity.
3. **Immunology:** ELISA, Immuno-blotting,
4. **Bioinformatics:** Molecular Modeling and Drug Design
5. **Microbiology and Enzymology:** Media preparation, plating, pouring, CFU count, infection, antimicrobial action of different compound etc.

Academic and Administrative Responsibilities

1. **Member, Board of Studies**, Faculty of Life Sciences, Mandsaur University (2022 onwards)
2. **Academic Coordinator and Exam**, Faculty of Life Sciences, Mandsaur University (April 2023 onwards)
3. **Member, Examination** (evaluation, moderation, redressal) committees for UG/PG Microbiology/Biotechnology, Faculty of Life Sciences MU (June 2021 onwards)
4. **Centre In-charge (CI)**, Centre-03, Mandsaur University (EST June-2022 onwards)

Awards/ Membership/Others: