


Title	Dr.	First Name	Nidhi	Last Name	Subhash Chandra	Photograph
Designation		<b>Assistant Professor</b>				
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Residence	Mobile	+91-9953598732				
Email		<a href="mailto:nidhichandra.micro@rla.du.ac.in">nidhichandra.micro@rla.du.ac.in</a> , <a href="mailto:drnidhischandra@gmail.com">drnidhischandra@gmail.com</a>				
Web-Page		<a href="https://www.rlacollege.edu.in/pdf-profile/microbiology/Nidhis-chandra-microbiology.pdf">https://www.rlacollege.edu.in/pdf-profile/microbiology/Nidhis-chandra-microbiology.pdf</a> <a href="https://www.researchgate.net/profile/Nidhi-Chandra-3/research">https://www.researchgate.net/profile/Nidhi-Chandra-3/research</a> <a href="https://scholar.google.com/citations?hl=en&amp;user=e5qaKzUAAAAJ&amp;view_op=list_works&amp;gmla=AJsN-F5FjhcMWHu_WbzijDh78UzlO4ZqO5IKUQ-Gr1AKrRCh3bI8fMAXOfnb7DWPzTwhGafJQbdnJ3kHPtcPvdLZqxzGvMIimFYopqd4RjWHauk7fEQ-3x0">https://scholar.google.com/citations?hl=en&amp;user=e5qaKzUAAAAJ&amp;view_op=list_works&amp;gmla=AJsN-F5FjhcMWHu_WbzijDh78UzlO4ZqO5IKUQ-Gr1AKrRCh3bI8fMAXOfnb7DWPzTwhGafJQbdnJ3kHPtcPvdLZqxzGvMIimFYopqd4RjWHauk7fEQ-3x0</a>				
<b>Educational Qualifications:</b>						
Degree		Institution			Year	
Ph.D.		University of Rajasthan, Jaipur, Rajasthan, India			2010	
M.Sc.		University of Rajasthan, Jaipur, Rajasthan, India			2004	
B.Sc.		University of Rajasthan, Jaipur, Rajasthan, India			2002	
<b>Career Profile</b>						
<ol style="list-style-type: none"> <li>1. Assistant Professor, Department of Microbiology, Ram Lal Anand College, University of Delhi from August 4, 2015 to till date.</li> <li>2. DST Women Scientist-A, Department of Botany, University of Delhi from July 1, 2014 to January 23, 2016.</li> <li>3. DST Women Scientist-A, ICMR Virus Unit, I.D. &amp; B.G. Hospital, Beliaghata, Kolkata, West Bengal from January 2013 to June 30, 2014.</li> <li>4. Research Associate, SMS Medical College &amp; Hospital, Jaipur, Rajasthan, Jaipur, from November 23, 2009 to February 28, 2012.</li> </ol>						
<b>Administrative Assignments</b>						
Current: <ul style="list-style-type: none"> <li>▪ Member, Green campus Society</li> <li>▪ Member, Discipline cum anti ragging Committee</li> <li>▪ Member of Admission Committee</li> <li>▪ Examinership (Theory and Practicals)</li> <li>▪ Mentorship of students</li> </ul>						

Previous: Successfully liquidated duties as Members of various committees in the college for past 7 years of service.

#### **Areas of Interest / Specialization**

Currently working on screening of antimicrobial activity of traditional medicinal plants against MDR strains ESKAPE

Worked on anti-HSV2 activity of traditional herb *Ophiorrhiza nicobarica* Balkr.

Specialization on seroepidemiology and molecular epidemiology of Hepatitis E Virus in pregnant and non-pregnant patients in Western and Eastern India during my PhD and Post Doc. I found genotype a, c was prevalent in India and also found that sewage act as a reservoir for HEV.

During my M.Sc dissertation I had worked with Mtb isolates to see the kanamycin and Amikacine (broad-spectrum aminoglycoside antibiotics)

#### **Subjects Taught**

Environmental Microbiology, Microbial Genetics and Genomics, Advances in Microbiology , Virology, Cell Biology, Microbial Physiology and Metabolism, Bacteriology, Introduction to Microbiology and Microbial Diversity

#### **Research Guidance**

- Presently guiding 10 B.Sc (H) Microbiology students under CRG Scheme.
- Mentoring 6 students review writing.
- Mentored 10 students for review article and chapter writing

**Publications Profile: h-index: 09**

## Journal Articles

1. Bhatia, P., Sharma, A., George, A. J., Anvitha, D., Kumar, P., Dwivedi, V. P., & **Chandra, N.S.** (2021). Antibacterial activity of medicinal plants against ESKAPE: An update. *Heliyon*, 7(2). <https://doi.org/10.1016/j.heliyon.2021.e06310>. (Scopus)
2. Chadha, J., Gupta, M., Nagpal, N., Sharma, M., Adarsh, T., Joshi, V., Tikku, V., Mittal, T., Nain, V.K., Singh, A., Snigdha, S.K., **Chandra, N.S.**, John, S., & Diwan, P. (2021). Antibacterial potential of indigenous plant extracts against multidrug-resistant bacterial strains isolated from New Delhi region. *GSC Biological and Pharmaceutical Sciences*, 14(2), 185–196. <https://doi.org/10.30574/gscbps.2021.14.2.0053>. (Peer Reviewed)
3. Bhowmik, A., Ojha, D., Goswami, D., Das, R., **Chandra, N.S.**, Chatterjee, T.K., Chakravarty, A., Chakravarty, S., Chattopadhyay, D. (2017). Inositol hexa phosphoric acid (phytic acid), a nutraceuticals, attenuates iron-induced oxidative stress and alleviates liver injury in iron overloaded mice. *Biomedicine & Pharmacotherapy*. 87:443-450. (Scopus)
4. Ojha, D., Das, A., Banerjee, A., Das, R., **Chandra, N.S.**, Chattopadhyay, D. (2016). Anti-viral Drug Discovery through Ethnomedicine: An update. *The Botanica*. 64: 63-67.
5. **Chandra, N.S.**, Agrawal, V., Chattopadhyay, D. (2016). Plants with Antiviral Activity against Hepatitis C Virus (HCV). *The Botanica*. 64:52-55.
6. Chakravarty, H., Ojha, D., Konreddy, A.K., Bal, C., **Chandra, N.S.**, Sharon, A., Chattopadhyay, D. (2016). Synthesis of multiring-fused imidazo [1,2- $\alpha$ ]isoquinoline-based fluorescent scaffold as anti-HSV agent. *Antiviral Chemistry and Chemotherapy*. DOI: 10.1177/204020661668096B. (Scopus)
7. **Chandra, N.S.**, Ojha, D., Chatterjee, S., & Chattopadhyay, D. (2014). Prevalence of hepatitis E virus infection in West Bengal, India: A hospital-based study. *Journal of Medical Microbiology*, 63(7), 975–980. <https://doi.org/10.1099/jmm.0.072249-0> (Scopus)
8. Ojha, D., Mukherjee, H., Ghosh, S., Bag, P., Mondal, S., **Chandra, N.S.**, Mondal, K. C., Samanta, A., Chakrabarti, S., & Chattopadhyay, D. (2013). Evaluation of anti-infective potential of a tribal folklore *Odina Wodier* roxb against some selected microbes and herpes simplex virus associated with skin infection. *Journal of Applied Microbiology*, 115(6), 1317–1328. <https://doi.org/10.1111/jam.12330> (Scopus)
9. Bag, P., Ojha, D., Mukherjee, H., Halder, U. C., Mondal, S., **Chandra, N.S.**, Nandi, S., Sharon, A., Sarkar, M. C., Chakrabarti, S., & Chattopadhyay, D. (2013). An indole alkaloid from a tribal folklore inhibits immediate early event in HSV-2 infected cells with therapeutic efficacy in vaginally infected mice. *PLoS ONE*, 8(10). <https://doi.org/10.1371/journal.pone.0077937> (Scopus)
10. **Chandra, N.S.**, Sharma, A., Rai, R.R., Malhotra, B. Contribution of hepatitis E in acute sporadic hepatitis in North West India. *Indian J Med Res* 2012; 136: 477-82 (IF-1.82) (Scopus)
11. **Chandra, N.S.**, Rai, R. R., & Malhotra, B. (2012). Phylogenetic analysis of hepatitis E virus in northwest India. *Hepatitis Research and Treatment*, 2012, 1–6. <https://doi.org/10.1155/2012/976434> (Scopus)
12. **Chandra, N.S.**, Sharma, A., Malhotra, B., & Rai, R. R. (2010). Dynamics of HEV viremia, fecal shedding and its relationship with transaminases and antibody response in patients with sporadic acute hepatitis E. *Virology Journal*, 7(1). <https://doi.org/10.1186/1743-422x-7-213>. (Scopus)

13. Rai, R.R., Nijawan, S., Mathur, A., Sharma, M.P., Udawat, H., **Singh N.** (2008) Seroepidemiology and Role of Polymerase Chain Reaction to Detect Viremia in an Epidemic of Hepatitis E in Western India. *Trop Gastroenterol*, 29 (4): 202-6 (IF-.6) (Scopus)
14. **Singh, N.**, Rai, R.R., Udawat, H., Sharma, A. (2008) Evaluation of Persistence of IgM Anti HEV in Patients with Acute Sporadic Hepatitis E Virus Infection. *Asian J Exp Sci*, 22 (3): 299-302 (IF-.5)

**Books:**

1. **Chandra NS**, *Molecular Detection and Genotyping of Hepatitis E Virus*, Cambridge Scholars Publishing, UK (International) **ISBN: 9783330038042**.

**Book Chapters**

1. Anurag Singh, Priya Bhatia, Shreya Kapoor, Simran Preet Kaur, Sanjay Gupta, **Nidhi S. Chandra** and Vandana Gupta (2022) Chapter-3 Role of soil microbes in the sustainable development: agriculture, recovery of metals and biofuel production in book *Industrial Applications of Soil Microbes (Volume 2)* Bentham Science Publishers Pte. Ltd. (International)
2. Simran Preet Kaur, Tanya Srivastava, Anushka Sharma, Sanjay Gupta, **Nidhi S Chandra** and Vandana Gupta *Industrial applications of soil microbes: production of enzymes, organic acids and biopigments* Chapter-4 Role of soil microbes in the sustainable development: agriculture, recovery of metals and biofuel production in book *Industrial Applications of Soil Microbes (Volume 2)* Bentham Science Publishers Pte. Ltd. (International)
3. Anurag Singh, Shreya Kapoor, Priya Bhatia, Sanjay Gupta, **Nidhi S. Chandra** and Vandana Gupta. (2022) Chapter-10 Role of Soil Microbes in Sustainable Development: Nutrient Transformation, Bioremediation, and Biodeterioration. In the book *Industrial Applications of Soil Microbes (Volume 1)* Science DOI: 10.2174/97898150399551220101 eISBN: 978-981-5039-95-5, 2022 ISBN: 978-981-5039-96-2 Publishers Pte. Ltd. (International)
4. **Chandra NS** (2017) Ch-7 Human Communities and Environment and Ch-8 Field Work in book *Environmental Studies* **ISBN: 978-93-82209-03-4**, MM Publishers Pvt. Ltd. (National)
5. **Chandra NS**, Sharma A, Malhotra B, Rai RR. Prevalence of acute viral hepatitis due to Hepatitis E Virus in Western India. *Proceeding of U.P. MICROCON 2010*, 2010; 38-46.

**Sequences in Gene Bank (17):**

Submitted 17 partial sequences (343 bp) in Genbank, accession numbers are FJ231471, FJ231472, FJ231473, FJ231474, FJ231475, FJ231476, FJ231477, FJ231478, FJ231479, FJ231480, FJ231481, FJ231482, FJ231483, FJ231484, FJ231485, FJ231486, FJ231487 (<http://www.ncbi.nlm.nih.gov/nuccore/>)

**Conference Organization/ Presentations****Presentation and resource person:**

1. Presented a Lecture on “Antiviral activity of ethano-medicinal plants against HCV” at the 6th world summit on Virology, Microbiology and infectious disease, England, 8th December 2021.
2. Presented a lecture in tridivasiya antarastriya web sangoshthi from 15<sup>th</sup> to 17<sup>th</sup> May 2020, Bhartiya sikshan Mandal, Kanpur prant, Uttar Pradesh and Sodh Dhara.
3. Resource person in 30 Hours Online Certificate Course on “Science Writing & Research Ethics” Hosted on Google Meet from 13<sup>th</sup> July 2020 to 7<sup>th</sup> August 2020.
4. Presented a poster in the Technical Session II of the national conference on plant science research: Looking Beyond 21<sup>st</sup> Century for Environmental and Agricultural Revolution held at Department of Botany, University of Delhi during 5<sup>th</sup> to 7<sup>th</sup> February 2016.
5. A Poster Presentation on the topic Genotyping of Hepatitis E virus sequences: Genetic diversity, subtype in West Bengal” in ICVH 2015, International Conference on Viral Hepatitis 2015, December 17-18, Bangkok, Thailand.
1. Presented a oral paper on “Genotyping of Hepatitis E Virus Isolates in Acute Hepatitis Cases with Liver Failure” in 52<sup>nd</sup> Annual Conference of Indian Society of Gastroenterology (ISGCON 2011) Coimbatore, Tamilnadu, India, 18<sup>th</sup> to 22<sup>nd</sup> November 2011.
2. Presented a paper on “Occult Hepatitis B & C in HIV Infected Patients”, International Conference on Viral Hepatitis, Baltimore April 11-12<sup>th</sup>, 2011.
3. An Oral Presentation on the topic “Prevalence of acute viral hepatitis due to Hepatitis E Virus in Western India”, U.P. MICROCON 2010, 14<sup>th</sup> March 2010, Agra, India.
4. An Oral Presentation on the topic “Genotyping and Phylogenetic Comparison between the HEV Isolates in Sewage & Humans, Rajasthan”, ISGCON 2009, 12<sup>th</sup> December 2009, Kolkata, India.
5. An Oral Presentation on the topic “Dynamics of hev viremia, fecal shedding and its relationship with transaminases and antibody response in sequential samples from patients with sporadic acute hepatitis E virus infection” UEGW/WCOG GASTRO 2009 November 21 - 25, 2009 London/United Kingdom.
6. An Oral Presentation on the topic “Evaluation of Persistence of IgM anti HEV in Patients with Acute Sporadic Hepatitis E Virus Infection” in National Conference on Emerging Trends in Microbiology and Biotechnology, 30<sup>th</sup> January 2007, Bikaner, Rajasthan, India.
7. A Poster Presentation on the topic Genotyping of Hepatitis E virus sequences: Genetic diversity, subtype in West Bengal” in ICVH 2015, International Conference on Viral Hepatitis 2015, December 17-18, Bangkok, Thailand.
8. A Poster Presentation on the topic “Phylogenetic Analysis of Hepatitis E Virus in Acute Liver Failure Patients in Rajasthan” in ISGCON 2008, 14<sup>th</sup> September 2008, Delhi, India.

9. A Poster Presentation on the topic “Serology based Study of Hepatitis E among Patients with Acute Viral Hepatitis at a Tertiary Care Center” in 48th Annual Conference of Indian Society of Gastroenterology, 17<sup>th</sup> November 2007, Bangalore, India.

#### **FDP and Workshops attended (Last Five Year)**

1. Successfully completed one week workshop on “Basic Computer Operations and Text Editing Tools” organized by Department of Sanskrit, University of Delhi, Delhi during September 1-8, 2022.
2. Four weeks International Faculty Development Online Certificate Course on “BASIC TECHNIQUES IN MICROBIOLOGY (Phase IV)” organized by the Department of Microbiology, Sacred Heart College (Autonomous), Tirupattur, Tamil Nadu, India in association with Microbiologists Society, India and Laboratory of Chemical and Biological Analysis (LAQB), Western Rio Janeiro State University (UEZO), Rio de Janeiro, Brazil from 04th July 2021 - 08th August 2021 and has successfully completed with DISTINCTION
3. Successfully completed Two Week (Online) Interdisciplinary Faculty Development Programme on ‘MOOC's, E-Content Development, Research Methodology and Statistical Tools in Open Education World ’ from 3<sup>rd</sup> -17<sup>th</sup> August 2021 organised by Kalindi College, University of Delhi in collaboration with Mahatma Hansraj Faculty Development Centre Hansraj College, University of Delhi
4. Attended Workshop on "Holistic Fitness - Boost your immunity and prevent illness", 23<sup>rd</sup> -24<sup>th</sup> June 2021 (2:00-4:00 pm, Zoom) by Yoga and Meditation society in collaboration with the Department of Physical Education, RLA College.
5. Attended the two days DBT sponsored National Workshop on 'Molecular Docking in Drug Design' held on 31<sup>st</sup> March to 1st April 2021, organized by Department of Microbiology, Ram Lal Anand College, University of Delhi, Delhi.
6. Successfully completed<sup>[SEP]</sup> One Week Online FDP on ICT Tools for Effective Teaching Learning', jointly organized by IQAC and Media Production Centre from 5<sup>th</sup> – 9<sup>th</sup> August 2020.
7. Successfully completed one month yoga workshop from 1<sup>st</sup> June -30<sup>th</sup> June 2020 organized by Yoga and Meditation Society, Ram Lal Anand College, University of Delhi, Delhi.
8. Participated in One Week Online National Workshop on Digitization & Development of e-Resources for Sanskrit during May 27–June 02, 2020
9. Successfully completed two day FDP on “Writing Research Proposal and addressing IPR Related Issues” held from 29<sup>th</sup> -30<sup>th</sup> March, 2019.
10. Successfully completed two day FDP on “Quality Assurance in HEIs: Reoriented Teaching-Learning Paradigm” held from 15<sup>th</sup> -19<sup>th</sup> March 2019 organized by IQAC, RLAC and SGND Khalasa College, University of Delhi.

#### **Seminar/ Conferences/webinar/events attended (last five years)**

1. Attended 6<sup>th</sup> World Summit on Virology, Microbiology & Infectious Disease held during December 08 2021
2. Participated in the National E- Seminar on “Emerging Horizons on Microbial Technology ”organized by Department of Microbiology held on 27<sup>th</sup> August 2021
3. Participated in 7th International Day of Yoga on 21st June 2021 organized by Yoga and

Meditation Society, Ram Lal Anand College.

4. Attended talk on cancer awareness held on March 22nd 2021 organized by Mikrobiologika, Department of Microbiology, Ram Lal Anand College in association with Rajiv Gandhi Cancer Institute and Research Centre
5. Participated in the webinar on “Plagiarism Issues, Policies And Detection Tools” held on 25th June 2020
6. Attended DBT sponsored International seminar on “Nanoparticle in Biology” held on January 29, 2020 organized by Department of Microbiology, Ram Lal Anand College.
7. Attended, Wellness India conference and Exhibition, 2017 at Pragati Maidan, New Delhi from 29-31 Aug 2017.

#### **Seminar/ Conferences/webinar/events organized (last five years)**

1. Member, Organizing Committee BIO-MATRIX 2021: A Science Quiz organized by Mikrobiologika society, Department of Microbiology, Ram Lal Anand College, held on 1<sup>st</sup> and 5<sup>th</sup> September, 2021.
2. Member organizing committee for webinar on IPR for students and faculty held on 3<sup>rd</sup> September 2021 by Research and IPR cell, ram Lal Anand College in collaboration with IPLoia.
3. Organized an E-Poster making competition on “Latest Development in SARS- CoV-2: Prophylaxis/Therapeutics/ Diagnostics” on 28th January 2021
4. Member, organizing committee for DBT sponsored National Seminar under Star College Scheme on “Metagenomics and Genome Editing” held on 5<sup>th</sup> February 2020 organized by Department of Microbiology, Ram Lal Anand College.
5. Member, Organizing Committee, National Seminar on “Probiotics: Ameliorating the Burden of Lifestyle Disorders” organized by Department of Microbiology, Ram Lal Anand College in association with Probiotic Association of India on 1<sup>st</sup> Feb 2019.
6. Member, Coordinating Committee, Training Program on “ICT tools for Beginners” organized by Ram Lal Anand College on 18-19 January 2019.
7. Member, Organizing Committee, International Seminar on “Infectious Diseases: Current
8. Strategies for Diagnosis and Therapy”, organized at Ram Lal Anand College, New Delhi, 2<sup>nd</sup> Feb 2018

#### **FDP/ workshops organized (last five years)**

1. Contributed as Member, Organizing Committee in One week Online Faculty Development Program on Biosafety, Bioethics and IPR organized by the Department of Microbiology, Ram Lal Anand College from 24th to 28th August, 2020 under the DBT Star College Scheme.
2. Member, Organizing Committee, Online Faculty Development Program on Biosafety, Bioethics and IPR, 1 week (24-28 August 2020), organised by Department of Microbiology, Ram Lal Anand College, University of Delhi.
3. Member, Organizing team, Certificate course on ‘Python in Biological Sciences’ 16<sup>th</sup> January 2021 to 11<sup>th</sup> April 2021 organized by Ram Lal Anand College, University of Delhi.

#### **Research Projects (Major Grants/Research Collaboration)**

- CRG project on “Screening of in vitro antimicrobial activity of Indian Plants against ESKAPE Pathogens” from 2020 (ongoing)
- Principal Investigator (PI) of project entitled “Prevalence and Genotyping of Viral Hepatitis Cases Caused by Hepatitis E Virus in Eastern India” funded by Department of Science and Technology (DST) under DST Women Scientist Scheme-A from 2013-2016 (completed).
- Extramural Project entitled “Detection and Genotyping of Hepatitis E Virus in Acute Sporadic Hepatitis Patients with or without Liver Failure” funded by Indian Council of Medical Research (ICMR) from 2008-2012 (completed).

#### **Awards and Distinctions**

- Appreciation award in recognition of appreciable student-centric efforts and taking role as College Level Coordinator for the 20<sup>th</sup> National Level microbiological contest and MicrobiOlympiad event on 21st March, 2021.
- Appreciation award for contribution as Co-Editor “The Botanica” a magazine of Delhi, University Botanical Society (DUBS) during year 2014-16
- DST Women Scientist Scheme-A Award from 2013-2016
- Award for Basic Scientist in GASTRO 2009, London, to travel held on November 21-25, 2009
- Award of Senior Research Fellow, ICMR at SMS Medical College & Hospital, Jaipur, Rajasthan, Jaipur, March 01, 2008
- Award for Best Paper Presentation during the National Conference on Emerging Trends in Microbiology and Biotechnology, Bikaner on 29-30th January 2007
- Gargi Award in 1998 from Balika Shiksha Foundation Rajasthan, Jaipur.

#### **Association with Professional Bodies**

- Life Member of Microbiology Society of India.
- Life Member of Delhi University Botanical Society (DUBS)
- Life Member of Probiotic Association of India
- Co-Editor of **the Botanica**, Department of Botany, University of Delhi, Delhi from 2014-2016.

#### **Other Activities**

Reviewed a number of research articles for various national and international peer reviewed Journals



**Dr. Nidhi Subhash Chandra**