

Dr Vijaya Kumar Nalla

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My Objective of teaching & research

I would like to inspire and create inquisitive mind of students and tap their hidden potential through innovative and scientific My develop reasonable molecular leads and technologies for contemporary problems in applied biology and relevant fields such as microbiology, cancer biology, immunology, cell and molecular biology, computational biology, biotechnology and environmental sciences which are essential in ensuring healthy a sustainable life systems.

Research Qualifications:

Ph.D.,(2010) received for "Functional analysis of N-acetylglucosamine inducible, CaMPS1 & CaNagD1 genes in *Candida albicans*" under the supervision of Padma Bhushan Prof. Asis Datta, Professor of Eminence at School of Life Sciences (SLS), Jawaharlal Nehru University (J.N.U), New Delhi, India awarded on 10th May 2010.

Ref: Kamthan M, Nalla VK et al., PLOS One (2014).

M.Phil.,(2005) thesis title, "Molecular.ESSsasxawx in *Candida albicans*" under the joint supervision of Prof. Asis Datta and Prof K. Natarajan from School of Life Sciences, JNU, New Delhi, awarded on 19th April 2005.

Research Publications

1. Sneha Latha Gujjarlapudi, Narendra Kelam, **Nalla Vijaya Kumar**, Babu Kakumanu, Mallikarjuna Kokkanti (2025). Temperature-induced photophysiological and carbon concentration mechanism responses in *Chlamydomonas reinhardtii*. **Polish Journal of Environmental Studies**, Vol XX, No. X (XXXX), 1-12, DOI: <https://doi.org/10.15244/pjoes/203059>
2. Kelam Narendra, Gujjarlapudi Sneha latha, ,Maragani Madahvilatha, Gemmeli Venkata Rao , **Nalla Vijay kumar** and Kokkanti Mallikarjuna (2024) Deciphering the Impact of Gamma Radiation on Photosynthesis and Cell Viability in *Chlamydomonas reinhardtii*, *African journal of Biological sciences*, 6 (13) (2024) 136-145 (<https://doi.org/10.48047/afjbs.6.13.2024.136-145>)
3. Kelam Narendra , Gujjarlapudi Sneha latha , Maragani Madahvilatha, Gemmeli Venkatarao , **Nalla Vijay kumar** and Kokkanti Mallikarjuna (2024) ALGAL EXTRACTS AND THEIR IMPORTANCE IN PROMOTING PLANT GROWTH, *African journal of biological sciences*, 6 (13) 2024, 1146-1163 (<https://doi.org/10.33472/afjbs.6.13.2024.1146-1163>)

2. A DBT-star college sponsored research project on "Study of Antimicrobial drug resistance and its implications" was completed in the year 2018-19.
3. A DBT-star college sponsored project on "Prevalence of microbial contaminants in packed juices and suggestive preservative measures" was completed in the year 2017-18.

Research/Thesis works Supervised:

1. A Master's (M.Sc) thesis work of Mr Aditya Kumar, M.Sc in Environmental Sciences (Enrollment no. 2250966938), 4th Semester at IGNOU, New Delhi, on the topic titled "Extreme Air Pollution Analysis in Northern Indian Urban Areas" was submitted on 29th April 2025.
2. A Master's (M.Sc) thesis work of Mr Raghu Raj VP (Enrollment no. 2354308374), M.Sc in Environmental Sciences, 4th Semester at IGNOU, New Delhi, on the topic titled "Mitigating Stubble Burning in India" submitted on 29th April 2025
3. A Master's (M.Sc) thesis work of Mr Raghav (Enrollment no. 2352650109), M.Sc in Environmental Sciences, 4th Semester at IGNOU, New Delhi, on the topic titled "Mitigating Stubble Burning in India" submitted on 29th April 2025.
4. A Master's ([M.Sc](#)) dissertation /thesis work of Mr Lalit Kumar, M.Sc in Environmental Sciences, 4th Semester at IGNOU, New Delhi, on the topic titled " Role of tourism in waste generation and it's management strategies in New Delhi" on 29th April 2025.
5. A Master's (M.Sc) dissertation/thesis work of Mrs Suman Sharma, M.Sc in Environmental Sciences (Enrollment no.2107075164), 4th Semester at IGNOU, New Delhi, on the topic titled "The consequences of habitat destruction on species extinction" on 29th April 2025.
6. An undergraduate ([B.Sc](#), Hons) thesis work of Mr Shivam Kumar (Enrollment no. A60104422001), [B.Sc](#) (Hons) Biotechnology, 7th Semester at Amity University Madhya Pradesh, Gwalior i, on the topic titled "Evolutionary Lineage of Glucokinase and other Carbohydrate metabolic genes in Plants, Fungi and Microbes: A Bioinformatics Approach" submitted on 16th August 2024, for the dissertation period 20th June 2024 to 16th August 2024.
7. An undergraduate ([B.Sc](#), Hons) thesis work of Mr Shivam Kumar (Enrollment no. A60104422001), [B.Sc](#) (Hons) Biotechnology, 7th Semester at Amity University Madhya Pradesh, Gwalior, on the topic titled "Evolutionary Lineage of Glucokinase and other Carbohydrate metabolic genes in Plants, Fungi and Microbes: A Bioinformatics Approach" submitted on 16th August 2024, for the dissertation period 20th June 2024 to 16th August 2024.
8. An undergraduate ([B.Sc](#), Hons) thesis work of Mr Varun Kumar (Enrol. no. A601137522004), [B.Sc.](#), Biology, 7th Semester at Amity University Madhya Pradesh, Gwalior, on the topic titled "Evolutionary Lineage of Hexokinase and other Carbohydrate metabolic genes in Plants, Fungi and Microbes and the relationship between Candida and Oryza species with linkage to Hexokinase" submitted on 16th August 2024, for the dissertation period 20th June 2024 to 16th August 2024.
9. A Master's (M.Sc) thesis work of Mrs Pakalapati Mounika, on the topic titled "Preparation of a microbial consortium towards degradation or deterioration of synthetic polymers and their application in Environmental Biotechnology" submitted to Department of Biotechnology, GITAM University, Visakhapatnam, on 6th Nov 2018.
10. A Mater's (M.Sc) thesis work of Ms. Kumari Manisha, on the topic titled, "A comparative genomics study of the diversity of conserved DNA binding elements in the genome of Candida albicans and S.cerevisiae" submitted to Department of Applied Microbiology, Banaras Hindu University (BHU) on 5th May 2015.
11. M. Tech (IIT DELHI) thesis of Mr Saransh Pal was awarded, for his thesis title on "Production of electricity from Cow Urine using Fuel cell Technology" in the yeat 2013 jointly collaborating at IAESPH-Sulabh laboratory, New Delhi

Academic Qualifications:

- M.Sc.**, Biochemistry from Andhra University Campus, Vishakhapatnam, Andhra Pradesh, India, passed in the year 2000. Marks: 70% Division: I
- B.Sc.**, Microbiology, Biochemistry and Chemistry from P.B. Siddhartha College of Arts & Sciences, Nagarjuna University, Vijayawada, India in 1998. Marks: 72% Division: I

10+2 Botany, Zoology, Physics and Chemistry from Board of Intermediate Studies, Andhra Pradesh, India in 1995. Marks: 76.8%, Division: I

Other Examinations Passed /Scholarships Received:

GATE: Graduate Aptitude Test for Engineer, conducted by MHRD, Govt of India. All India Rank: 654, in 2002

SRF: Senior Research Fellowship during 2008 to '09 by ICMR, Govt of India

JRF: Junior Research Fellowship during 2003 to '08 by ICMR

NET: National Eligibility Test qualified in 2003 held by Council of Scientific & Industrial Research.

MHRD-Visiting Scholar: Selected for Chinese Govt. Research Exchange Programme in 2017. (Not-availed)

JOB PROFILE:

Current Job Teaching Experience

Designation: Associate Professor in Microbiology (from 1-7-2020 to till date)

Previous position: Assistant Professor (from 14-5-2009 to 30-6-2020)

Organization: Bhaskaracharya College of Applied Sciences, UNIVERSITY OF DELHI, New Delhi

Date of Joining: 14th May 2009 (Permanent basis)

Job Profile:

- Teaching and Research guidance in microbiology, molecular biology and biotechnology for B.Sc(Hons) Microbiology.

Previous Job Experiences / Teaching Experience:

Designation: Lecturer/Assistant Professor in Biochemistry

- Organization: V. S. Lakshmi Degree & P.G. College (Andhra University), Kakinada, INDIA.

Duration: 22nd Nov.2000 – 30th Apr.2002

Job Profile: Teaching & guiding post graduate science (M.Sc., Biochemistry) students.

Industry Experience:

Designation:

Assistant/Trainee Microbiologist

Organization: Sarvotham Care Ltd., Hyderabad, India

Duration:Jun.2000 – Nov.2000

Job Profile:

- Microbial purity analysis and quality control of nutrient supplements and drugs by using various bacterial and fungal culture methods.

Administrative Experience:

1. Has been appointed as Teacher-in-Charge (TIC/HOD) of Deptt of Environmental Sciences at BCAS, on 1st April 2025 for a period of 2 years.
2. Has been appointed as Convener of Students Advisory Committee, for the purpose of selecting Members of Students Union and Fee concession for the year 2025-2026.
3. Has been appointed as Teacher-in-Charge (TIC/HOD) of Deptt of Microbiology at BCAS for 3rd time , on 1st April 2023 for a period of 2 years.

4. *Has been appointed as Convener of Committee for Renewal of Sanitation Rate Contract through GeM portal, for the year 2024-25.*
5. *Has been nominated for the role of Convener, Swachhta and E-Waste management committee through Staff council resolution for the year 2024-25.*
6. *Has been appointed as Nodal Officer of Azadi Ke Amrit Mahotsav (India @ 75 years of Independence) celebrations of Bhaskaracharya College of Applied Sciences (DU) for the year 2021-22 through its Staff Council minutes dated 12th May 2022. (https://drive.google.com/file/d/1T4P1Y4ZPfDOK_H-0KKMNhTHL_8hgEKQb2/view?usp=sharing)*
7. *Has been appointed as Nodal Officer of Delhi Government's flagship programme, "Har Ghar Tiranga" (National Flag to Every Home) as part of Azadi Ke Amrit Mahotsav for the year 2021-22.*
8. *Teacher In-Charge (TIC), Department of Microbiology, BCAS, (UNIVERSITY OF DELHI) from 2009 to 2011 & 2017-2019*
9. *Convener of the Equal Opportunity Cell of BCAS for the year 2020-21.*
10. *Co-convener of Extra Curricular Activity (ECA) Committee for the year 2020-21.*
11. *Have been appointed as Deputy Superintend of Examinations for the year 2012-13*
12. *Have been a member of selection committees, syllabus making committee and question paper preparation committee and panel of examiners of the Department of Microbiology, DU (2009-2021).*
13. *Was appointed as Observer at Kurukshetra University, Haryana for UGC-NET Examination in June 2014.*
14. *Have been appointed as Program Officer-N.S.S and Convener, Equal Opportunity Cell (E.O.C) consequently from 2011-14.*
15. *Have managed Department profile for the National Accreditation and Assessment Committee (NAAC, Govt. of India) in Bhaskaracharya college in 2014.*
16. *Have been appointed as Convener, Sub-Committee for purchase of biological kits from 2009 to 2010.*
17. *Acted as member of following committees for years 2010-11: Library, Discipline, Canteen, N.S.S*
18. *Have been a member of Equal Opportunity Cell from 2009-2011*
19. *Appointed as member-Annual day function committee for the year 2012-13.*
20. *Member of organizing Committee, Microquest-2013 of Suskhmajeev Society for the year 2012-13.*
21. *Have been the member of Moderation committee of Microbiology Department of Internal Assessment Marks from years 2009 to 2020.*

Extra-Curricular Activities Organized/Performed:

1. *Has got the Memorandum of Understanding (MoU) with Dept of Environmental Science with World Environment Organisation (NGO reg. No.517/IV/18) on 17.3.2026.*
2. *As convener of the Students Advisory Committee, organised a Health Checkup cum Dental Check up camp on 27th Feb 2026 at Bhaskaracharya College, jointly with Max Health Care and Dental Folks*

clinics.

3. As convener, organised "Cultural Evening: Realizing Cultural Heritage of India" jointly with NAAC Cultural Committee, on 20th June 2023 at 5:30pm in the premises of Bhaskaracharya College. More than 200 students and faculty witnessed the event.
4. Organised an inter college cultural festival, Srijan-2023 on 13th April 2023 in the Bhaskaracharya college. The inauguration of the event was done by Chief Guest, Ms Bhavna Gaur, MLA, Palam, New Delhi. The event was also attended by Guest of Honor, Prof Balaram Pani, Dean of Colleges, University of Delhi. The event was attended by more than 1000 students from different colleges of DU and it was published in the Dwarka Express News paper on 30th April 2023 in the page no. 4.
5. A workshop on "Financial Literacy" was organised jointly with BeArtsy and National Stock Exchange (NSE) on 28th March 2023 at 2:30pm in the room no. 113 of BCAS. More than 60 students and faculty attended the workshop.
6. Celebrating G20 presidency of India, a student development program, "Communication skills, confidence building & Redefining Aptitude: Creating Young Leaders" was held jointly with the Culture Council, University of Delhi, on 16th March 2023 at 2pm in the Auditorium of BCAS. The resource person of the workshop was Mr Anurag Sharma, Founder Director of Learning From Ant organization.
7. Organized online cultural events on Republic Day, 26th January 2022 as part of Azadi ka Amrit Mahotsav, India@75.
8. As convener of ECA committee, organized an online webinar on "Role of Youth in Making Modern India", delivered by Sh. VV Lakshmi Narayan, Ex-Director General, CBI, on 15th Aug 2021 at 11:30am through MS Teams platform.
9. Organized a college level live singing competition on "Azadi Ke Antare" of patriotic songs jointly organized by Music club and ECA committee of BCAS in celebration of 75 years of India's independence on 31st July 2021 through Google meet online platform.
10. Co-convener a workshop on "Yoga for Immunity" jointly organized by Yoga Club of BCAS and Isha Foundation, Coimbatore on 12th July 2021 through online medium, YouTube. URL: <http://bit.ly/IshaNorth>
11. Organized an online presentation event on the topic "Technologies during COVID-19 lock down period: my Innovations and experiments" jointly by Equal Opportunity Cell and North East Cell on 27-2-2021.
12. Organized an online poster making competition on the topic "Technologies that helped disabled and elderly during COVID-19 lock down", jointly by Equal Opportunity Cell and North East Cell on 28-2-2021.
13. As member & co-convener of ECA committee, coordinated the college cultural festival, SRIJAN-2020 held on 25-2-2020 to 26-2-2020 at BCAS.
14. Member, organizing team of Department festival of Microbiology, during "Microquest 2019-20" held on 20-2-2020.
15. As member ECA, organized Republic Day Celebrations-2020 held on 24-1-2020 at college campus.
16. As convener of Equal Opportunity Cell, held a poster making and slogan writing competition on 6-2-2020 at Deptt of Biochemistry Lab, BCAS.
17. Coordinated the student visit to AIIMS to attend a conference organized by DBT on 29-7-2019.
18. Coordinated the students of B.sc (Hons)Microbiology to attend a workshop on "Biotechnology startup ecosystem in India" organized by INSA, New Delhi on 18-3-2019.

19. An event on "Agar Art Competition" was coordinated at Deptt of Microbiology, BCAS on 31-1-2019.
20. An Essay writing competition was held on "Cancer causing disability issues in India" on 10th March 2018
21. To celebrate National Science Day-2017, a poster making competition on "Science & technology for people with special needs" was organized at AV room, BCAS.
22. Organized a pitch talk competition on, "Innovative ideas to improve life of people with special needs" on 28-2-2017 at BCAS.
23. As member, Anti-ragging committee, spread awareness on DU rules against ragging for the year 2016-17
24. As member, Protcoral Committee, student discipline is maintained during student elections and annual day celebrations of the year 2016-17.
25. As member, College Magazine committee involved in preparation of college magazine for the year 2016-17.
26. As member of Swachata Committee, a group discussion with students was held on the topic, "Swachh bharat is a new revolution in India" on 22-1-2016.
27. A debate Competition was held on 31st Oct 2014 to celebrate National Unity Day during 2014-15.
28. A cleanliness drive was held in the microbiology lab on 12-8-2015.
29. As In-charge of NSS, held a Cloth and stationary collection drive for distribution of the same to slums near Dwarka in year 2013-14.
30. As part of NSS activity, A plantation drive was held in the college campus and several plant saplings were planted in the college premises in the year 2013-14.
31. Monitored the active participation of students in NSS activities to determine credit of marks ranging from 0-8 as per Delhi University Ordinance VIII F for the year 2012-13.
32. As member of Student-Advisory Committee, short listed eligible students for scholarships during 2012-2013.
33. As member of NSS, coordinated to organize one day blood donation camp in college campus in collaboration with AIIMS Blood Bank, New Delhi, on 28-2-2012.
34. Held an Eye donation awareness drive and poster making competition on the topic "eye donation" was held in the year 2012-13.
35. Organized a Clean-a-Thon drive in collaboration with Leaders for Tomorrow and Eco-club during the college annual day function of 2012-2013.
36. Career counseling to students and sending their biodata to placement cell of the college for year 2012-13.
37. Coordinated the poster making competition on Disability issues: Challenge for society during 2011-12.
38. Coordinated educational study visit of students to Gargi College, DU on 29-10-2009
39. Coordinated student admissions of the department from years 2009 to 2020.
40. Organized Department festivals during April 2002 at VSL college, Kakinada.
41. A visit to Oncology Department of Manipal hospital (Dwarka, Delhi) was co-ordinated to observe World Rose Day for cancer patients on 24th September 2018.
42. Participated and got awarded in the Debate Competition on the topic, "Genome or Proteome-where lies the Blue print of Life?" held at NIPGR, New Delhi on 28th Feb 2003.

Teaching Skill Workshops/ programmes attended/completed:

1. Participated in the "One day online Faculty Development Program on Digital Pedagogy & Climate Change Education across disciplines" jointly organized by Sri Venkateswara College (DU) and TROPICSU on 28th Aug 2021 on Microsoft Teams.
2. Completed a Five Day Online Faculty Development Programme on "Modern Digital Library Science & Technologies for Teaching, Learning and Research (MDLSTTLR-2021)" organized by Teaching Learning Centre, National Institute of Warangal (NIT-Warangal) from 4-1-2021 to 8-1-2021, sponsored by PMMMNMTT Scheme of Ministry of Education.
3. Completed a Five Day Online Faculty Development Programme on "Teaching and Learning Strategies of Differential Equations & Applications in Science and Engineering" held by Teaching Learning Centre, National Institute of Technology (NIT), Warangal from 28-12-2020 to 1-1-2021, sponsored by PMMMNMTT Scheme of Ministry of Education.
4. Completed a National Level Faculty development programme, sponsored by Ministry of Education, Govt of India, on "Skills for Next Generation Teachers" in collaboration with Guru Anagad Dev Teaching Centre of Ministry of Education, Govt of India, conducted online by Vimala College, Thrissur, Kerala from 1-12-2020 to 7-12-2020.
5. Completed one week faculty development programme on "Co-creating MOOCs Hands on Training for Designing and Developing Moocs" under Pandit Madan Mohan Malaviya National Mission on Teachers and Teaching at Teaching Learning Centre, Ramanujan College (DU) from 10-2-2020 to 16-2-2020.
6. Attended one day Faculty Development Programme on "Administrative Reforms to raise the Quality of Educational Institutions and e-procurement" held by IQAC Cell at BCAS on 28th March 2017.
7. Completed four weeks Refresher Course (RC) in Life sciences & Biotechnology at HRDC-JNU Campus from 3-10-2016 to 28-10-2016 and received A grade.
8. Completed a Refresher Course (RC) in Environmental Studies/Earth Sciences-Interdisciplinary (ID) at UGC-HRDC centre of University of Delhi, from 13-10-2015 to 4-11-15 and obtained 'A' grade.
9. Completed an UGC-sponsored Orientation Course (OC) at UGC-Academic Staff College-Osmania University, Hyderabad, from 2-12-2011 to 31-12-2011 and obtained A grade.

Papers presented/Abstracts/Book Chapters published:

1. Contributed a chapter jointly in the 'Multifarious roles of organic residues & abiotic factors in agriculture for environmental sustainability' (Chapter 9) in the book titled 'Adaptive Agro-Management for Environmental Sustainability,' of CRC Press, Taylor and Francis Group. Accepted on January 13, 2025. (ISBN: 9781032538808) Check here: <https://www.routledge.com/Adaptive-Agro-Management-for-Environmental-Sustainability/Kumar-Karmakar-Rani-Singh/p/book/9781032538808>
2. A book chapter/content for B.Sc (Hons) Biochemistry of Indira Gandhi National Open University (IGNOU) in the UNIT-13, BLOCK-IV titled "Regulation of gene expression in eukaryotes" has been created and published in the month of June 2022.
3. A book chapter/content for B.Sc Zoology of Indira Gandhi National Open University (IGNOU) in the UNIT-15, titled "Immune system in health and disease-II" has been created and published in the month of February 2022.
4. An online E-content published on Microbial Genetics and Genomics for students of B.Sc (hons)

Microbiology at Edunext site under the URL: <https://micmoocs.edunext.io/courses>.

5. Presented a poster (PP-82) and published an abstract titled "Role of a novel microbial consortium useful in bioorganic waste and its effect on plant growth and yield- a pilot field study" in the International Conference on "Recent Advances in Biotechnology & Nanobiotechnology (Int-BIONANO-2016)" organized by Amity Institute of Biotechnology, Amity University, Gwalior on 10th to 12th Feb 2016 (ISBN: 978-93-85000-58-4).
6. Published an article in online journal IJO-science (issn 2455-0108) vol.2, issue 9, pp 1-6, 2016 on the topic "Enhanced tomato plant growth in presence of a novel microbial consortium useful in bioorganic waste degradation- a pilot field study".
7. An abstract titled "Identification of novel microbial consortia for rapid degradation of synthetic polymers" was published in the proceedings of the World Biodiversity Congress, held on 26th-29th Oct 2015 at Mokra Gobra, Serbia.
8. Presented a poster on the topic "Microbial consortia for treatment of synthetic polymers" at 9th National Conference on Solid State Chemistry and Allied Sciences (ISCAS-2015) held at Conference Centre DU, from May 8th to 10th 2015.
9. Published a book chapter titled "Preparation of a Microbial Consortium for efficient disposal of human waste and improving its fertilizer value", in the book titled "Environmental sustainability: concepts, Principles, Evidences and Innovations" in the year 2015 (ISBN: 978-93-83083-75-6), published by Excellent Publishing House, New Delhi, on March-April 2014.
10. Published a short review article on "Power of Microbes" in the "Life Under Lens-2012-13" booklet of Sukshmajeev society of Department of Microbiology, BCAS (page no. 31-32).
11. Published a write up on "Scope of Microbiology" in the "Life Under Lens-2012-13" booklet of Sukshmajeev society of Department of Microbiology, BCAS (page no. 8-9).
12. Published a research abstract titled, "Comparative genomics and genome wide analysis of bidirectional promoters in *Candida albicans*" at "3rd World Congress on Biotechnology" held at Hyderabad International Habitat Centre, Hyderabad, India on Sep 13-15, 2012
13. Published a research abstract titled "Comparative genomics and genome wide analysis of bidirectional promoters and other elements in *Candida albicans*" at the EMBO Conference series held at Sant Feliu Guixols (Spain) on 15-20 October 2011.

Conferences/Symposia/workshops/training programmes coordinated/convened/ attended:

1. Organized a one day lecture on "Environmental Impact and Assessment" under Environmental Science deptt lecture series, where lecture was delivered by Prof. N.C. Gupta, Director of Incubation Centre and Professor of Environmental Science department at Indraprastha University, Dwarka, New Delhi, on 25th February 2026
2. Organized a workshop on "Road Safety Awareness and Emergency Care Training Program" on 5th February 2026 at Bhaskaracharya College (DU), sponsored by Suzuki Motorcycle India Pvt Ltd & Value Life Foundation (Delhi).
3. Attended a session on "Epidemic Management" held by Administrative Staff College of India (New Delhi) on 22nd Jan 2025 and received a certificate of participation for interaction with Smt Preeti Sudan,

Chairperson (Retd), UPSC .

4. As a member, organizing team, coordinated in organizing a National Online Workshop on Intellectual Property Rights (IPR) organized jointly by Deptt of Microbiology, Bhaskaracharya College of Applied Sciences (DU) in association with School of Management, NIT, Rourkela, Orissa from 21-25 Feb 2022. (click: <https://tinyurl.com/9pwpaxvw>)
5. Participated in the one day National webinar on "Judicial Activism and Sustainable Environment" organized by Deptt of Environmental Sciences, Acharya Nagrjuna University & Centre for Environmental Education and Ecological Development (CEEED) on 16th Sept 2021 on Zoom online platform.
6. Co-ordinated a National webinar on "Drugs for bad bugs: who will win this war?" part of Webinar Series "Microbiology: from principles to applications" organized by Sukshmajeev Society, Deptt of Microbiology, BCAS on 3rd Sept 2021 on MS Teams.
7. Participated in the one day National webinar on "Technological Advancements for Cleaner Waste Management: Road ahead and opportunities" held by Department of chemistry, BCAS on 25th Aug 2021 on Google Meet.
8. Participated in a one day workshop on "Decoding of BRAHMA" organized by Digitization & Automation committee of BCAS, held on 24th Aug 2021 on Google Meet.
9. Participated in the National Webinar on "Injurious invaders: Our Immune System and the Vaccines for Defense" organized by the NAAC Committee, BCAS held on 23rd July 2021 via MS Teams.
10. Organised one day National Webinar as Co-Convener of ECA committee of BCAS on "My Life with Rocket Science": by Padmashree Mr. Vasudevan Gnana Gandhi, former ISRO scientist" through Google meet on 8th July 2021, to celebrate 75 years of India's Independence Event. Ref: https://www.youtube.com/watch?v=G3qkkd_wbpY
11. Coordinated in organizing a talk on "Gene Editing: Present scenario and future perspective" by Dr. Bhupender Kumar Verma, Assistant Professor in Deptt of Biotechnology, AIIMS, New Delhi on 13th March 2021.
12. Participated in the National Webinar on "Higher Education in India after COVID-19" organized by Atma Ram Sanatan Dharma College (DU), on 7th May 2020 (Certificate no: HEI/ARSD/113)
13. Participated in the NPTEL workshop conducted on 31st Jan 2020 by IIT Madras at JC Bose University of Science & Technology, YMCA, Faridabad, Haryana.
14. Participated in the one day workshop on "Foldscope: An Educational and Research tool" organized by the School of Sciences, IGNOU, New Delhi in collaboration with Department of Biotechnology, Govt of India on 23rd Aug 2019.
15. Participated in the National Conference on "Recent Trends and Advancements in Chemical Sciences" held at the Conference centre, University of Delhi, from 29th to 31st March 2019.
16. As convener, organized one day seminar on "Advances in Sequencing Technologies; Accelerating progress in Biological Sciences" and Microquest-2019 on 6-3-2019, that was sponsored by DBT Star college scheme.
17. Co-convener of "A National Conference on Advances in Interdisciplinary Microbiology: Perspectives from Academia and Industry" held on 13-3-2018 to 14-3-2018, sponsored by DBT, Govt of India and BCAS.
18. As convener, organized a National conference on "Advances in Interdisciplinary Microbiology: Perspectives from Academia and Industry" organized as part of Microquest-2018, from 13th -14th March

2018 at BCAS.

19. Participated in "International seminar on Infectious Diseases: Current strategies for diagnosis and therapy" organized by Deptt of Microbiology, Ram Lal Anand College, University of Delhi on 2nd Feb 2018
20. Participated in two days conference on "Microbiology: Current challenges and future trends" organized by Deptt of Microbiology, Institute of Home Economics, University of Delhi on 10-11 Jan 2018.
21. A seminar was organized for observing cancer awareness month for delivering lecture from AIIMS, Delhi on 27-2-2018 sponsored by BCAS.
22. Participated in the two day workshop on "Intellectual Property Rights: Its genesis, significance & compliance" held at Institute of Home Economics (DU) on 13th-14th Sept. 2018.
23. Participated in a Two day workshop on "Bioinformatics Training for College Teachers" at SVC college in 2017.
24. Participated in a workshop on "Hands on training on cell culture techniques and cytotoxicity assays" organized by Amity Institute of Virology & Immunology" Amity University, Noida, on 21-23 March 2017.
25. Organized a seminar on the topic "Antimicrobial resistance: Drugs for bad bugs: Who, What and Why" which was sponsored by Sukshamajeev society of Department of Microbiology, BCAS on 14-9-2017.
26. As member organizing team, organized a symposium on "Science empowering Women Empowering Science" as part of Annual microbiology festival, Microquest 2017 in March 2017.
27. Coordinated a "Skill development workshop for operation and maintenance of Laboratory Instruments" organized by Deptt of Microbiology on 2nd March 2017
28. Organized a lecture on "Emerging scope of public health in creating equal opportunities" by Dr Jyoti sharma of PHFI, Gurugram on 28-2-2017 at BCAS.
29. Organized a lecture on "Government of India schemes for persons with disabilities" by Equal Opportunity Cell on 1-2-2016 in the AV room of BCAS.
30. Member, organizing committee of One day symposium on "Antibiotic resistance-A major global threat" was organized on 16-3-2016 at BCAS.
31. Attended a workshop on "Bioinformatics and molecular modeling" at Sri Venkateswara College (DU) on 21-23 January 2016.
32. Participated in the International Conference on "Recent Advances in Biotechnology & Nanobiotechnology (Int-BIONANO-2016)" organized by Amity Institute of Biotechnology, Amity University, Gwalior on 10th to 12th Feb 2016.
33. Participated in the National Conference on "AFHABEC-2015" organized by Krishi Sanskriti on 31st October & 1st Nov 2015 held at J.N.U., New Delhi and presented a research paper entitled "Role of a novel microbial consortium in the treatment of wastes and its effect on the plant growth and yield-A study on tomato crop".
34. Attended a conference on "Proteomics" at Sri Venkateswara College on March 16, 2015.
35. Member, organizing committee of one day symposium on "Biofuels: An Alternative and Non-conventional Energy source of future" sponsored by Star College Scheme, DBT held on 2-2-2015.
36. Participated in the International Congress on "AFEESSA-2014" organized by Krishi Sanskriti on 29 & 30 March 2014 held at J.N.U., New Delhi and presented a research paper entitled "Preparation of a Microbial Consortium for efficient treatment of wastes and improving its fertilizer value".

37. Participated in the National Conference on "Recent Advances in Biotechnology & Nanobiotechnology (BIONANO-2013)" organized by Amity Institute of Biotechnology, Amity University, Gwalior on 29 & 30 October 2013 and presented a research paper entitled "Comparative genomics and genome wide analysis of bidirectional promoters in *C. albicans*"
38. Attended a workshop on "Virtual Learning Environment" held at IIC, University of Delhi on 6/9/2014.
39. Received a certificate of participation from 32nd Annual convention of Indian Association for Cancer Research (IACR-2013) & International Symposium on Infection & Cancer, held on 13-16 July 2013, organized by Dr B.R. Ambedkar Centre for Biomedical Research (ACBR), University of Delhi.
40. Attended a conference on "Emerging trends on Molecular Genomics of Breast Cancer" at National Institute of Immunology, Delhi, on 12-9-2011.
41. Attended a workshop titled "Effective grant writing skills & Strategic management of IPR, which was organized at India Habitat Centre, Lodi Road, New Delhi, on July 04-05, 2012 by Biotechnology Industry Research Assistance Council (BIRAC) in association with Biotech Consortium India Limited (BCIL).
42. Participated in the "National Workshop on Advanced Analytical Instrumentation and Appliances" held at AIF-USIC, Jawaharlal Nehru University during 5th-7th Jan. 2009.

Major Key-note Lectures or Guest Lectures/Talks delivered/served as Resource Person:

1. Has received a certificate of appreciation for presenting a research review paper titled "Policy decisions for disarmament of biological and technological modern weapon programs and their impact on mitigating cross border terrorism", on 26th Feb 2026 in the two days National Conference on "Transforming India's Counter Terrorism strategy in the Amritlal: Emerging Trends and Security Dilemma" in the convention centre of JNU, New Delhi.
2. Has received an appreciation certificate from Sewadham Trust Ashram School, Malegaon, Pune, Maharashtra (India) for being the 'Subject Matter Expert in Microbiology' for sensitising students and staff on Hand hygiene and waste management practices, from 8th to 11th December 2024.
3. Received a certificate of appreciation for being resource person and delivering a special live session on "Swachhta and Waste Management in the contemporary times" organized by IGNOU Regional Centre-3, New Delhi, on 21-9-2024 at 3pm.
4. Received a certificate of appreciation for delivering a guest lecture on "Fundamentals and applications of Bioinformatics" in the Department of Botany and Microbiology at Acharya Nagarjuna University, Guntur (A.P) on 17-6-2022.
5. Received a certificate of appreciation for delivering a guest lecture on "Introduction and applications of Bioinformatics" in the Department of Botany at Government Degree College, Tiruvuru (A.P) on 21-6-2022 at 11:30AM.
6. Received a certificate of appreciation for delivering a guest lecture on "Research & funding opportunities in Science & Technology for Engineering graduates" Sree Vahini Institute of Science & Technology, Tiruvuru (A.P) on 22-6-2022 at 11:30AM.
7. Participated as a Resource Person-Evaluator in the poster presentation competition held on 28th Aug 2021 as part of the 5 day Online short term course on "Material characterization : Analysis and Interpretation" organized by the Central Instrumentation Facility of Lovely Professional University (LPU), Punjab, from 23rd to 28th Aug 2021.

8. Participated as a Resource Person in the Global Webinar on "Creating a Livable Planet Earth" held by Lead India Foundation (www.leadindia.us) on 27th July 2021 on Zoom Online platform.
9. Delivered a key note speech on the topic "Bio-Medical Waste Impact on Human health & Environment" in the one day National Webinar on "Bio-Medical Waste Impact during Pandemic Times" organized by Centre for Environmental Education and Ecological Development (CEEED) at Acharya Nagarjuna University, Guntur in association with Prakruthi, the environmental club of Lakkireddy Balireddy Engineering College and World Environment Organization (WEO) organized 12rd June 2021 on zoom platform. (refer to 1:37:45 to 2:42:10 of url: <https://youtu.be/FSvjUozvcU4>) (for certificate visit: <https://tinyurl.com/3zvdmd86>)
10. Invited to deliver a lecture on the topic "Waste Management During COVID Pandemic" in the one day National Webinar on "Ecosystems Restoration in India" organized by World Environment Organization (WEO) in association with Centre for Environmental Education and Ecological Development (CEEED) at Acharya Nagarjuna University, Guntur and Prakruthi, the environmental club of Lakkireddy Balireddy Engineering College, organized on World Environment Day, 3rd June 2021. (refer to 1:45:25 to 2:05:00 of url: <https://youtu.be/pKgFiipCc10>)
11. Invited as resource person on "Microbiology of Waste management" in a three day "Training of Trainer's Workshop" organized jointly by IAESPH and School Education Department of Government of Andhra Pradesh, at Vijayawada on 24th to 25th March 2021,
12. Presented a research work titled "Preparation of a Microbial Consortium for efficient treatment of wastes and improving their fertilizer value" at International Congress on Agriculture, Food Science and Environmental Engineering, held at Jawaharlal Nehru University, New Delhi (India) on 24.3.2014
13. An online presentation was delivered on the research topic titled "Comparative genomics and genome wide analysis of bidirectional promoters in *Candida albicans*" at the EMBO Conference series held at Sant Feliu Guixols (Spain) on 15th-20th October 2011.
14. A special lecture entitled "Functional analysis of CaMPS1 and CaNagD1 in *Candida albicans*" was delivered in the department of Botany & Microbiology at Acharya Nagarjuna University (Guntur, A.P., India) on 13.07.2010.
15. An invited lecture entitled "Functional Analysis of Pathogenic gene in *Candida albicans*" was presented at the Department of Microbiology & Biochemistry of Vignan University (Guntur, A.P., India) on 15.07.2010.
16. Conducted hands on training session as Resource Person in the DST-INSPIRE Science Camp held at Deptt of Microbiology, BCAS during 2011-12.

Awards/Appreciations/Recognitions received:

1. Received an award from Suzuki Motorcycle India Pvt Ltd & Value Life Foundation (Delhi) for organizing a workshop on "Road Safety Awareness and Emergency Care Training Program" on 5th February 2026 at Bhaskaracharya College (DU).
2. Have been interviewed by students of Zakir Hussain College (D U)
3. Received an honorarium and appreciation letter for reviewing a book titled 'RNA, the Epicenter of Genetic Information' by John Mattick and Paulo Amaral with publisher Taylor and Francis group on January 15, 2025.
4. Received "Dr. Radha Krishnan Gold medal award-2018" under the area of Education, by Global Economic

Progress & Research Association (Society registration no: 283, ACT XXVII of 1975) on 22-9-2018.

5. Received a best paper presentation award on "Fungal Pathogenesis" in a conference held by "Indo-Caribbean International Conference on "Development & Optimization of Methods for the Analysis of Pharmaceuticals" sponsored by Madhya Pradesh Council of Science & Technology held on 19-7-2018.
6. Have been invited as content writer and developed content for the B.Sc (H) Biochemistry of IGNOU, New Delhi, on the chapters: Overview of Protein Diversity and Specialized proteins: Actin-Myosin Motors for the year 2019-20.
7. Have been invited as examiner for M.Tech (Biotechnology) Common Entrance Test (CET)-2020 and 2021 of Indra Prastha University (IPU), Dwarka, New Delhi, on 24th Feb 2020 and 15th June 2021.
8. Have been invited as content writer and developed content for the B.Sc (H) Biochemistry of IGNOU, New Delhi, on the chapters: Immune Systems in health and disease-II for the year 2020-21, 2021-22.
9. Got selected to receive a MHRD sponsored "Chinese government scholarship program for the year 2016-17, through its notification no. F5-1/2016. ES3 dated 9th Aug 2016.
10. Biographic profile was published in 'Asia-Pacific's 'Who is Who' of Rifacimento International publishers, Delhi, in the page no. 329, Vol. XIV, 2016.
11. Received a letter of appreciation from Editorial coordinator, I.K.International book publishers, Delhi, for reviewing a book titled "Selected Experiments in Biotechnology" on 12 April 2012.
12. Got selected as a content writer of Microbiology at Institute of Life Long Learning (ILLL),University of Delhi, Delhi-21 for the year 2012-13.
13. Got selected as Life member of The Indian Science Congress Association, Kolkata, India on 9th Oct 2012 (Membership No. L20751)

References

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Personal Information

Nationality: Indian
Languages: Telugu, Hindi, English
Date of birth: 1st Aug 1978
Marital status: Married
Hobbies: Reading, Music, Gardening



{Google scholar's page: https://scholar.google.co.in/citations?view_op=list_works&hl=en&user=Th2LJ8IAAAAJ#}

Declaration: The information given in the pages 1-8 is true and correct to the best of my knowledge and belief - N. Vijay Kumar

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