



**DEEN DAYAL UPADHYAYA GORAKHPUR
UNIVERSITY, GORAKHPUR-273009, UP, INDIA**
Accredited A++ by NAAC (3.78 CGPA on 4 Point Scale)
Category-1 University by UGC



Curriculum Vitae



Prof. (Dr.) Vinay Kumar Singh **Professor Full (Cadre)**

Department of Zoology,
Deen Dayal Upadhyaya Gorakhpur University

Vidwan-ID: 470309

<https://vidwan.inflibnet.ac.in/profile/470309>

Assessor

NAAC

Proctor

(10.05.2025-todate)

Honorary Librarian

(26.10.2021-19.06.2023)

Director

(01.07.2021-8.10.2023)

Self-Financing Courses

Coordinator

(20.12.2020-todate)

Affiliated Colleges- MissionShakti5.0

Convener

(09.08.2017-todate)

Rovers & Rangers &

C M of UP Shikshuta Protsahan Yojana

In-charge

(13.07.2017-todate)

Electronic Data Processing Cell (EDP)

Contact Details

Office:

Room No.- 203

Department of Zoology

Pant Bhawan

Deen Dayal Upadhyaya Gorakhpur University

Gorakhpur-273009, U.P., India

Email: vinay.zool@ddugu.ac.in (Institutional)

/vinaygkpuniv@gmail.com Cell: 9807110100 (whatsApp)/ 9415855488

Residence:

M/1 KM Munshi Colony, Pant Park, Near University Guest House, DDU Gorakhpur

University Gorakhpur-273 009 UP, India



Vision & Mission

My vision- premises on a need to develop and provide an overarching framework for more detailed plans based on current imperatives and prospective planning, it will reshape thinking in education and research of the University as well as Nation.

Academic Social Sites Link:

- LiveDNA of Dr. Vinay Kumar Singh: www.livedna.net/biographicalsketch.php?dna=91.473
- Google Scholar Citation: <https://scholar.google.com/citation?user=p7qS00oAAAJ&hl=en>
- ORCID-0000-0002-6449-149x
- LinkedIn
- Web of Science ResearcherID: W-9843-2019
- Scopus Author ID: 57213537609
- ResearchGate

Basic Information:

Name	Dr. Vinay Kumar Singh, M.Sc., Ph. D.
Designation	Professor (Full)
Father's Name	Late Shri Uday Bhan Singh
Mother' Name	Smt Sushila Singh
Date of Birth	15.07.1969
Grade Pay- 7CPC (Level 14)	Rs. 10,000
Basic Pay	Rs. 1,77,400/pm
Research Experience	30 years+
Teaching Experience	27 years+

Born on 15 July, 1969 in Vill & Post- Jurampur, District Azamgarh, Uttar Pradesh, initially educated in village schools and graduated from MG PG College & Post Graduate from St. Andrew's College under the Gorakhpur University. Obtained a Ph.D. in Zoology of Gorakhpur University and started a carrier as University teacher and since 2018 recruited as Professor of Zoology and continuing the same with different additional responsibilities time to time.

Academic:

- Ph.D. : 1996; Title of the thesis:
"Studies on molluscicidal properties of *Allium sativum* (garlic)
against harmful snails".
- M. Sc. : 1991; Ist division (Entomology)

Current Research

- Isolation, characterization, and biological evaluation of natural products.
- Molluscan physiology, Bio-chemistry, Snail control & Vector-borne Diseases.

Land Mark Contribution

Research Team-Reported First time Nucleotide Sequencing of *Fasciola gigantica* and their larva cercaria. It is trematode parasite causing Fasciolosis in cattle population as well as human being.

- A GenBank accession number KT149356 and KT149357 were allotted (online) for cercaria larva and *F. gigantica*, respectively. Source-www.ncbi.nlm.nih.gov/KT149357.1 and/KT149357.2.

YouTube (<https://www.youtube.com/channel/UCjr6UFTkrszUJOnQy7ao0uw>)

- Superstar Garlic: A nature's boon to mankind.
- Cow Urine Pesticide/Molluscicide (<https://www.oneindia.com/2008/02/08/video-cow-urine-made-pesticide-gorakhpur.html>)
- Covid-19: Remedy & Precaution.
- Endangered wild animals.



Broadcasting Radio

- Endangered species: broadcasting on 8.4.2012 at 5.35pm 999.9 khz.
- Wildlife and their conservation: broadcasting on 14.7.2012 at 5.35pm 999.9 khz.
- Environmental Protection by Wildlife animals on 30.11.2012 at 5.35pm 999.9 khz.
- How protect endangered species? On 14.3.2013 at 5.35pm 999.9 khz.

Administrative experience:

- Former-Member of University Court (JNU) for a period of three years (02.03.2016 to 01.03.2019) in terms of statute 11(1)(xvii) of the statutes of the University, nominated by **Hon'ble President of India.**
- **Member- Faculty of Science, DU, New Delhi.**
- Has been Assistant Proctor, DDU Gorakhpur University (Nov. 2006-April 2008; 24 Feb. 2009-30 June 2010 and 08.01.2011- 4.7.2011) & (September, 2017 to July 2018).
- Have been **Convener**, Rovers & Rangers (9.8.2017- till date)
- **Former Chief-** Employment Information and Advisory Centre, DDUGU (March2021-March2023).

Editor-In-Chief

- **Research & Reviews: A Journal of Toxicology (RRJoT)**, India.

Member as REGIONAL EDITOR/Associate Editor/Technical Editor/Editorial Board of International Journal

- International J of Zoological Research, USA
- Research J of Parasitology, Pakistan
- Asian J of Biological Sciences, Science International.
- Natural Environment, USA
- American J of Biochemistry & Molecular Biology, USA
- Research Journal of Food Science and Quality Control (RJFSQC), Nigeria
- Annals of Clinical Pharmacology & Toxicology, USA

Reviewer

- Pesticide, Biochemistry & Physiology, USA
- Research in Zoology, USA
- Frontiers in Science, USA
- European J of Biological Sciences (Formerly- J Biology and Earth Sciences). Poland.
- Research Journal of Food Science and Quality Control (RJFSQC), Nigeria
- Climate Change & Environmental Sustainability, India.

Professional activities

1. **Joint Organizing Secretary:** International Symposium on “**Harmony with nature in context of ecotechnological intervention and climate change**” Harmony-2013 (11-13 November, 2013) organized by Department of Zoology, Environmental Science & Biotechnology in collaboration with National Environmentalists Association, Ranchi.
2. **Organizing Secretary:** International Symposium on “**Frontiers of Natural Products Research & Human Health & 2nd Annual Meeting of ISLS**” (19 December, 2015) organized by Department of Zoology in collaboration with Indian Society for life science.
3. **Organizing Secretary-** National Symposium on “**Prachin Bharat Ke Vagyanik aur unke awadan**” organized by Dean, Student-Welfare, Mahayogi Guru Shree Goraksh Nath Shodh Peeth, DDU Gorakhpur University, Gorakhpur in collaboration with Uttar Pradesh Hindi Sansthan, Lucknow on January, 23-24, 2019.
4. **Organizing Secretary-** National Workshop on “**Implementation of National Education Policy**” organized by IQAC, DDU Gorakhpur University, Gorakhpur in collaboration with Shiksha Sanskriti Utthan Nyas, New Delhi on May, 28-29, 2023.

Participation in professional activities

- Participated in a number of National/International/Symposia/Seminar/Workshops etc.

Ph. D. Supervised: 15

- **15** students awarded the Ph. D. Degree under my supervision.
- **Three** student completed Rajiv Gandhi National Fellowship (**RGNF**), JRF and SRF of the University Grants Commission (UGC), New Delhi under my supervision.
- **One** student is completed as Inspire Fellowship (DST) under my supervision.



Membership of Professional Bodies, Societies etc.

Life Member:

- Life Member of Indian Science Congress Association (ISCA), Kolkata.
- Life Member of National Environmentalist Association (NEA), Ranchi, Jharkhand.
- Life Member Bharat Scout Guide.

Convener/ Coordinator/In-charge

1. **In-charge**, (13.7.2017-till date), Electronic Data Processing (EDP) Cell, DDU Gorakhpur University, Gorakhpur.
2. **In-charge**, (24.01.2017-till date) Environmental Science, Department of Zoology.
3. **Convener**, Rovers & Rangers (9.8.2017-till date), DDU Gorakhpur University, Gorakhpur.
4. Has been Coordinator-Criteria II, NAAC (July 2021- November 2023)

Webinar Conference

1. **Participated Two Days International-** JNU Webinar on Covid-19 Pandemic Challenges and Recent Advancements, 25 & 26 April, 2020.
2. **Invited Lecture-** Abhinav Drishti: Pragma Pravah on Covid-19: Remedy & Precautions on 17 April, 2020.
3. **Participated Two Days National-** Webinar on Traditional Indian Food Habits, Life style and Immunity in reference to Covid-19 Pandemic organized by Home Science Department, DDU Gorakhpur University, 23 & 24 May, 2020.
4. **Coordinator- Two Days International Webinar** on pandemic era of Covid-19: Where we stand? Where we go? Department, DDU Gorakhpur University, 9 & 10 June, 2020.
5. **Invited Lecture-** Covid-19: Challenges and Opportunity on 12 June, 2020 jointly organized by the Department of Physical Education, BRD PG College Deoria and Bharat Scout Guide District Deoria, UP.
6. **Organizing Secretary-** National Webinar (e-Conference) on Nath-Panth in Gujarat: Historical, Spiritual and literary Perspectives (July, 20, 2020) organized by MahaYogi Shri GorakshNath Sodh Peeth, DDU Gorakhpur University, Gorakhpur.

Resource Person

- Refresher course/ orientation, UGC-HRDC, DDU Gorakhpur University, Gorakhpur.

Total PUBLICATIONS			
TOTAL NUMBER OF PUBLICATION- 170 (1 Editorial+ 13 Book+ 7 Chapter + 35 Review article + 114 Full papers) 170 Publications- 125 in Foreign Journal & 44 in Indian Journal			
Cumulative Impact Factor- 98.433			
Google Scholar	Scopus ID (57213537609)	ResearchGate	Web of Science
Total Citation- 2714 H-index- 26 i10-index- 62	Total Citation- 759 H-index- 15	Total Citation- 1805 H-Index- 23 Research Interests- 1223 Recommendation-41 Reads- 113166	ResearcherID (W-9843-2019) Publications- 84 Sum of Times Cited- H-index- 6 Average citation-9.1

PATENT		
Authors	Title of Patent Design	Patent No.
Dr. Priya Srivastava & Prof Vinay Kumar Singh	“Stylized Container for Safe and Effective Storage of Entomological Specimens”	431615-001 dt. 14.11.2024



LIST OF PUBLICATIONS

Editorial

1. **Vinay Kumar Singh (2016). Climate change, food scarcity and disease. Nutrition & Food Sciences, 6(1), 100e123.** <http://dx.doi.org/10.4172/2155-9600.1000e123>. ISSN: 2155-9600.

BOOKS reference/Monographs

2. **Vinay Kumar Singh, Nitu Singh and Pradeep Kumar (2011). Bioindicator.** LAP LAMBERT Academic Publishing GmbH & Co. KG. Germany. ISBN-978-3-8465-2945-4. pp 1-94.
3. **Vinay Kumar Singh, Shweta Dubey and Rajendra Singh (2012). Biosystematics and Bioecology of *Aphis spiraecola* Patch.** LAP LAMBERT Academic Publishing GmbH & Co. KG. Germany. ISBN 978-3-8484-0657-9. pp 1-152.
4. **D. K. Singh, Vinay Kumar Singh and Pradeep Kumar (2012). Pestiferous Gastropods and Their Control.** LAP LAMBERT Academic Publishing GmbH & Co. KG. Germany. ISBN- 978-3-659-15840-7. pp 1-152.
5. **Anupam Pati Tripathi, Vinay Kumar Singh and D. K. Singh (2015). Photo/ Chemo Stimulus: A New Approach to Control Fasciolosis. Orientation of snails towards visible light.** LAP LAMBERT Academic Publishing GmbH & Co. KG. Germany. ISBN- 978-3-659-79581-7. pp 1-105.
6. **Vinay Kumar Singh and Navneet Kumar (2017). Chlorophyllin.** LAP LAMBERT Academic Publishing GmbH & Co. KG. Germany. ISBN- 978-620-2-06193-3. pp 1-171.
7. **Neelam Soni and Vinay Kumar Singh (2020). Plant Toxicology and Pharmacology.** LAP LAMBERT Academic Publishing Mauritius. ISBN- 978-620-2- 66688-6. pp 1-183.
8. **Divya Chaturvedi and V. K. Singh (2020). Photoremedification of gastropods.** LAP LAMBERT Academic Publishing, Mauritius. ISBN- 978-620-2- 79868-6. pp 1-197.
9. **D. K. Singh, Vinay Kumar Singh, R.N. Singh and P. Kumar (2021). Fasciolosis: Causes, Challenges and Controls. Springer Nature** ISBN-981160259X, 9789811602597. DOI: 10.1007/978-981-16-0259-7, pp-125.
10. **Vinay Kumar Singh (2024). Introduction to Ecology: Interconnections in Nature. Delve Publishing : 386 pages (English version, Hardcover), ISBN-10 : 1774699508, ISBN-13: 9781774699508.**
11. **Vinay Kumar Singh (2024). A Guide to Environmental Monitoring. Delve Publishing: 305 pages (English version, Hardcover), ISBN-13: 177469848X; ISBN-13: 9781774698488.**
12. **Vinay Kumar Singh (2024). Evolution Theory: Historical Background and Fundamentals. Delve Publishing: 395 pages (English version), ISBN-10 : 1774699494, ISBN-13 : 978-1774699492.**
13. **Priya Srivastava and Vinay Kumar Singh (2025). Insect Science: Principles and Applications. ISBN: 978-93-58990-67-6. pp-222 (English version) Elite Publishing House, New Delhi.**

BOOK Chapters

14. **V. K. Singh, Sanjay Singh and D. K. Singh (2003). Pharmacological effects of spices. In *Recent Progress in Medicinal Plants Vol. 2- Phytochemistry and Pharmacology, Chapter 16*; pp. 321-353. SCI TECH PUBLISHING LLC, Texas, USA. ISBN10-0965603873.**
15. **S. K. Singh, Amod Kumar Singh, V. K. Singh and D. K. Singh (2008). Effect of**



- cyclophosphamide, eyestalk ablation and H_2O_2 on *Lymnaea acuminata*: A study on manipulation of egg laying. **Environmental Pollution and Toxicology**. APH Publishing Corporation, **Chapter XI**: 91-104, **India**. ISBN10: 8131304329.
16. Priya srivastava, P. Kumar, **V. K. Singh**, and D. K. Singh (2012). Medical and Biological Importance of *Piper nigrum* L. In *Recent Progress in Medicinal Plants* **Vol. 32-Ethnomedicine and Therapeutic Validation**. **Chapter-17**: pp-343-360. SCI TECH PUBLISHING LLC, Texas, **USA**. ISBN13: 9781933699226.
17. Ruby Singh, Anil Kumar Dwivedi and **Vinay Kumar Singh** (2015). Biomonitoring tools for aquatic system: A review. **Chief Editor- Ajai Kumar Pandey, Pramod Kumar Singh & Anurag Singh eds. Environmental & Health Research**, Chapter 25, **India**. ISBN 9788190902281.
18. Arun Kumar Srivastava, Priya Srivastava and **Vinay Kumar Singh** (2016). Bioindicator and Chemo-Attractive Behavior of Pulmonates. **Biological Diversity and Ecology**, **Chapter-7**: pp 118-149. ENVBOOKS series, DPH Pvt. Ltd, New Delhi, **India**. ISBN13: 978-93-5056-785-2.
19. Arun Kumar Srivastava and **Vinay Kumar Singh** (2017). Antimicrobial Activity of Papain. **Karpiński T.M., Adamczak A., eds. Antimicrobial activity of natural substances**, **Chapter-2**: pp 19-34, **Poland**. ISBN 978-83-947078-2-8.
20. Harshita Kaushik and **Vinay Kumar Singh** (2020). Novel Coronavirus (SARS-CoV-2): A Pandemic Era. **Coronavirus disease (Covid-19): A Scoping Review**, Chapter-7, pp 110-128, Kripa Drishti Publications, **India**. ISBN-978-81-946587-9-5.

Peer-Reviewed REVIEW Articles

21. **Vinay K. Singh** and D.K. Singh (2008). Pharmacological effects of *Allium sativum* L. (Garlic). **Annual Review of Biomedical Sciences (ARBS)** **10**, 6-26, **Brazil**. ISSN:1517-3011.
22. Preetee Jaiswal, Pradeep Kumar, **Vinay K. Singh** and D. K. Singh (2009). Biological Effects of *Myristica fragrans*. **Annual Review of Biomedical Sciences (ARBS)** **11**, 21-29, **Brazil**. ISSN:1517-3011.
23. Preetee Jaiswal, Pradeep Kumar, **V. K. Singh** and D. K. Singh (2010). *Carica papaya* Linn.- A potential source for various health problems. **J of Pharmacy Research**, **3(5)**, 998-1003, **India**. ISSN:0974-6943. **IF-2.617**.
24. Preetee Jaiswal, Pradeep Kumar, **V. K. Singh** and D. K. Singh (2011). *Areca catechu* L., a valuable herbal medicine against different health problems. **Research J of Medicinal Plant**, **5 (2)**, 145-152, **UK**. ISSN:1819-3455. **IF-0.45**.
25. Pradeep Kumar, Preetee Jaiswal, **Vinay K. Singh** and Dinesh K. Singh (2011). Medicinal, Therapeutic and Pharmacological Effects of *Syzygium aromaticum* (Laung). **Pharmacologyonline**, **1**, 1044-1055, **Italy**. ISSN:1887-8620. **IF-0.61**.
26. Priya Srivastava, P. Kumar, D. K. Singh and **V. K. Singh** (2012). Biological Properties of *Thuja orientalis* Linn. **Advances in Life Sciences**, **2(2)**, 17-20, **USA**. DOI: 10.5923/j.als.20120202.04. ISSN:2163-1387.
27. Kanchan Lata Singh, Priya Srivastava, Shiv Kumar, D. K. Singh and **V. K. Singh** (2014). *Mimusops elengi* Linn. (Maulsari): A potential medicinal plant. **Archives of Biomedical Sciences**, **2(1)**, 18-29, **Poland**. ISSN:2300-7257.
28. A. K. Srivastava and **Vinay Kumar Singh** (2015). Reproductive behavior of snail *Lymnaea acuminata*. **MicroMedicine**, **3(1)**, 8-19, **Poland**. ISSN:2300-7257.
29. Kanchan Lata Singh, D. K. Singh and **Vinay Kumar Singh** (2016). Multidimensional



- uses of medicinal plant kachnar (*Bauhinia vareigata* Linn.). **American J of Phytomedicine and Clinical Therapeutics**, 4(1), 58-72. **India**. ISSN: 2321-2748.
30. A. K. Srivastava and **Vinay Kumar Singh** (2017). *Carica papaya*: A herbal Medicine. **International Journal of Research Studies in Biosciences (IJRSB)** Volume 4, Issue 11, November 2016, PP 19-25. **India**. pISSN:2349-0357 & eISSN:2349-0365.
31. A. K. Srivastava and **Vinay Kumar Singh** (2017). Biological action of *Piper nigrum* – the king of spices. **European J of Biological Research**, 7(3), 223-233, **Poland**. ISSN: 2449-8955. **IF-.586**.
32. Arun Kumar Srivastava and **Vinay K Singh** (2018). The egg laying behaviours of the gastropods *Mollusks*. **Adv Tissue Eng Regen Med Open Access**; 4(2):22–26. DOI: 10.15406/atroa.2018.04.00072. **USA**. ISSN:2572-8490.
33. Divya chaturvedi, Kavita Singh and **Vinay Kumar Singh** (2019). Therapeutic and pharmacological aspects of photodynamic product Chlorophyllin. **European J of Biological Research**, 9(2): 64-76, **Poland**. ISSN:2449-8955. **IF-.586**.
34. Neelam Soni and **Vinay Kumar Singh** (2019). Traditional, Neutraceutical and pharmacological approaches of *Tamarindus indica* (Imli): A Review. **European J of Biological Research**, 9(3): 141-154. **Poland**. ISSN:2449-8955. **IF-.586**.
35. Neelam Soni and **Vinay K Singh** (2019). The Efficacy and Advancement of *Terminalia arjuna* in Indian Herbal Drug Research: A Review. **Trends Applied Sci. Res.** 14 (4):233-242. ISSN:1819-3579; DOI: 10.3923/tasr.2019.233.242, **USA**. **IF-.50**.
36. Kavita Singh, Divya Chaturvedi and **Vinay Kumar Singh** (2019). Review on different aspects of the photodynamic product pheophorbide. **Specialty Journal of Biological Sciences**, 5 (4): 6-13. ISSN:2412-7396 Available online at www.sciarena.com. **Austria**. **IF-1.028**.
37. Arun Kumar Srivastava and **Vinay Kumar Singh** (2019). Biological action of essential oils (Terpenes). **Int J Biol Med Res**, 10(3): 6854-6859. ISSN: 0976:6685.
38. Harshita Kaushik and **Vinay Kumar Singh** (2020). Mathematics of Covid-19 in India and their possible control by *Allium sativum* (L.). **Asian J of Advances in Medical Sciences**, 2(1): 21-27.
39. Arun Kumar Srivastava and **Vinay Kumar Singh** (2020). Covid-19: A pandemic to public health. **BioMed Research J**, 5(1): 299-304. ISSN:2578-8892.
40. Arun Kumar Srivastava and **Vinay Kumar Singh** (2020). Snails as Biological Monitor (Bioindicator). **Asian J of Advances in Research**, 5(1): 6-12. **India**.
41. Arun Kumar Srivastava and **Vinay Kumar Singh** (2020). Physiological Role of Some alkaloids. **J of Medicine and Surgical Sciences** 2(3): 1-7. **Australia**. E-ISSN: 2367-699X, P-ISSN: 2367-7414.
42. Arun Kumar Srivastava and **Vinay Kumar Singh** (2021). Feeding behaviours in gastropod Molluscs. **J of Cell & molecular Biology**, 5(1): 013. Henry publishing Group. ISSN: 2565-571X.
43. Arun Kumar Srivastava and **Vinay Kumar Singh** (2021). *Tinospora cordifolia* (GILOY): A MAGICAL SHRUB. **Asian J of Advances in Medical Sciences**. 3(3): 22-30.
44. Divya chaturvedi, Neelam Soni and **Vinay Kumar Singh** (2021). Ethnobotanical Molluscicides. **European J of Biological Research**, 11(4):417-433, **Poland**. ISSN: 2449-8955. **IF-.586**.
45. Arun Kumar Srivastava and **Vinay Kumar Singh** (2021). *Tulsi (Osimum sanctum)*: A Potent Adoptogen. **Clinical Research Notes**, 2(2): 037, ISSN: 2690-8816.
46. Nilay Vishal Singh, Harshita Kaushik and **Vinay Kumar Singh** (2022). A novel



- coronavirus (SARS-CoV-2): current status and challenges. **European J of Biological Research**, 12(2):153-162, Poland. ISSN: 2449-8955. **IF-.586**.
47. Arun Kumar Srivastava and **Vinay Kumar Singh** (2022). Anti-Fertility Role of *Aegle marmelos* (Bael). **J of Applied Health Sciences & Medicines Vol. 2(2):21-25**. India, ISSN: 2583-1887.
48. Arun Kumar Srivastava and **Vinay Kumar Singh** (2022). Pharmacology of *Glycyrrhiza glabra* (Mulhatti): The grandfather of herbs. **Journal of Biotechnology and Crop Sciences**. 10(15 Jan-Dec), 35-45. India. ISSN: 2349-9885 Print 2582-5089 online, NAAS rating 3.39.
49. Nilay Vishal Singh and Vinay Kumar Singh (2023). Indigenous Plant *Cannabis sativa*: a comprehensive ethnobotanical and pharmacological review. **European J of Biological Research**, 13(2): 114-128. Poland. ISSN: 2449-8955. **IF-.586**
50. Arun Kumar Srivastava and **Vinay Kumar Singh** (2023). Pharmacological Action of Clove (*Syzygium aromaticum*). **Hmlyn Jr Med Surg**, 4(2) 1-4. ISSN print: 2709-359X.
51. Arun Kumar Srivastava and **Vinay Kumar Singh** (2023). Medicinal Properties of Super Fruit *Aegle Marmelos*. **Hmlyn Jr Agr.**, 4(2) 72--80. ISSN : 2709-3603 (print)- 2709-3611.
52. Arun Kumar Srivastava, Arundhati Singh and **Vinay Kumar Singh** (2023). Ethnomedicinal Potential of Indian Plum (*Flacourtia jangomas*). **Advance in Biological Research**, 4(2), 31-36. ISSN: 2635-0319. DOI: <http://dx.doi.org/10.26855/abr.2023.12.001>
53. Arun Kumar Srivastava, Arundhati Singh and **Vinay Kumar Singh** (2024). Comprehensive review of *Adansonia digitata* (Kalpvriksha): Ethnobotany, Phytochemistry, and Potential Applications. **Alger. J. of Biosciences**, June 5(1): 13-23, ISSN-E: 2716-9375 ISSN-P: 2773-2916. <https://doi.org/10.57056/ajb.v5i01.154>.
54. Arundhati Singh and **Vinay Kumar Singh** (2025). Chemical and Pharmacological Activities of Rape Seed Mustard *Brassica nigra* (Black Mustard): A Magic Herb. **Asian J Biol. Sci.**, 18 (1): 43-54, 2025; ISSN: 1996-3351 (Print). <https://doi.org/10.3923/ajbs.2025.43.54>
55. Arun Kumar Srivastava and **Vinay Kumar Singh** (2018). Role of Abiotic Factors and Plant Molluscicides against Reproduction of Snails. **Op Acc J Bio Eng & Bio Sci** 2(3)-1-3. USA. ISSN:2637-4579.

Peer-Reviewed RESEARCH Papers

56. **V.K. Singh** and D.K. Singh (1995). Characterization of allicin as a molluscicidal agent in *Allium sativum* (Garlic). **Biological Agriculture & Horticulture**, 12, 119-131, U.K. ISSN:0144-8765 print/ISSN-2165-0616 online. **IF-1.864. WoS, Scopus, Q2**
<https://doi.org/10.1080/01448765.1996.9754754>
57. **V.K. Singh** and D.K. Singh (1996). Molluscicidal activity of pre- and post-harvest *Allium sativum* (Garlic). **Biological Agriculture & Horticulture**, 12, 311-318, U.K. ISSN :0144-8765 print/ISSN-2165-0616 online. **IF-1.864. WoS, Scopus, Q2**
<https://doi.org/10.1080/01448765.1996.9754754>
58. **V.K. Singh** and D.K. Singh (1996). Enzyme inhibition by allicin, the active molluscicidal agent of *Allium sativum* L. (Garlic). **Phytotherapy Research**, 10, 383- 386, U.K. Print ISSN: 0951418X Online ISSN:1099-1573. **IF-6.388. WoS, Q1**
[https://doi.org/10.1002/\(SICI\)1099-1573\(199608\)10:5<383::AID-PTR855>3.0.CO;2-9](https://doi.org/10.1002/(SICI)1099-1573(199608)10:5<383::AID-PTR855>3.0.CO;2-9)



59. Sanjay Singh, **V.K. Singh** and D. K. Singh (1997). Molluscicidal activity of some common spice plants. **Biological Agriculture & Horticulture**, **14**, 237-249, U.K. ISSN:0144-8765 print/ISSN 2165-0616 online. **IF-1.864. WoS, Scopus, Q2**
<https://doi.org/10.1080/01448765.1996.9754754>
60. Sanjay Singh, **V. K. Singh** and D. K. Singh (1998). Effect of active molluscicidal agent of common spices on biochemical parameters in the ovotestis of *Lymnaea acuminata*. **Malaysian Applied Biology**, **27**, 45-49, Malaysia. ISSN:0126-8643. **IF-0.70. WoS, Scopus, Q4**
61. Keshav Singh, **V.K. Singh** and D. K. Singh (1999). Effect of *Polianthes tuberosa* (Amaryllidaceae) on the reproduction and biochemical parameters in ovotestis of snail *Lymnaea acuminata* (Mollusca, Pulmonata). **Acta hydrochimica et hydrobiologica**, **27**, 32-37, Germany. ISSN:0323-4320. **IF-1.519. BIOBASE (Elsevier)**.
<http://www3.interscience.wiley.com/cgi-bin/jtoc/5007772/> .
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170. D. K. Singh, **V. K. Singh**, Dinesh Yadav, Bajju Lal, O.K. Raina, H.L. Lalrinkima, S.A. Husain, and Santiago Mas-Coma (2025). Fasciolosis: An Ongoing Constrain In India. Submitted.
171. D. K. Singh, **V. K. Singh**, Dinesh Yadav, Bajju Lal, S.A. Husain, and Santiago Mas-Coma (2025). Distribution and Ecology of Lymnaeidae and Planorbidae species in India. Submitted.

Abstract/ Symposia/ International

- a. CPM Tripathi, D. K. Singh, **V. K. Singh**, A K Pandey (2009). Physico-chemical analysis of water of natural lake Ramgarh Gorakhpur, India. INTECOL 10, Brisben, Australia.

List of articles in popular magazines or newspapers:

1. Gorakhpur Mahotsav-2019: Savanrate Gorakhpur ka Paryavaran. **Manthan**. Pp-80.
2. Gorakhpur Mahotsav-2020: Gorakhpur Paricchetra me Paudh-Ropan. **Manthan**. Pp111-116.
3. Kaahar Patrika-2020: Corana Virus: Problem & Solutions, Vol 7(1-2 January-June)



Name of 102 Journals in which 170 papers published / accepted
(1 Editorial+ 13Book+ 7 Chapter + 35Review article + 114 Full papers)

SI No.	Name of Journal-Country	SI No.	Name of Journal-Country
1.	Acta hydrochimica et hydrobiology, Germany.	52.	Advances in Biological Research, UAE.
2.	Biological Agriculture & Horticulture, U.K.	53.	International Annals of Science, India.
3.	J of Herbs, Spices & Medicinal Plants, USA.	54.	The Ecoscan- India.
4.	Chemosphere, UK.	55.	American J of Chemistry- USA.
5.	Malaysian Applied Biology, Malaysia.	56.	J of Medicine and Surgical Sciences, USA.
6.	Phytotherapy Research, U.K.	57.	Researcher, USA.
7.	Pest Management Science, U.K.	58.	ISRNBiochemistry, USA.
8.	Pesticide Science, U.K.	59.	Pakistan J Biological Sciences, USA.
9.	Biological Memoirs. India.	60.	New York Science Journal, USA.
10.	Journal of Applied Toxicology. U.K.	61.	Scientific J of Biological Sciences, Iran.
11.	Chapter in Books -Recent trends in medicinal plants Vol.2 (Pharmacol & Phytochem) USA.	62.	Chapter -Recent trends in medicinal plants Vol.32 (Ethnomed & Therap Validation) USA.
12.	Journal of Applied Biosciences, India.	63.	Research J of Environmental Toxicol., USA.
13.	Journal of Pest Science, Germany.	64.	International J of Zoology, USA.
14.	Pesticide, Biochemistry & Physiology, USA.	65.	Applied Science Reports, Pakistan.
15.	Annual Review of Biomedical Sci., Brazil.	66.	Frontiers of Biological and Life Sciences, USA.
16.	Veterinary Parasitology, UK.	67.	Int. J of Traditional and Natural Medicines, USA.
17.	Chapter –Environ. Poll & Toxicol., India.	68.	Biolife, India.
18.	Australasian J of Ecotoxicology, Australia.	69.	Archives of Biomedical Sciences, Poland.
19.	Journal of herbal medicine & toxicol. India.	70.	Singapore J of Scientific Research, USA.
20.	Enzyme Research, USA.	71.	Research, USA.
21.	The Bioscan, India.	72.	Journal of Coastal Life Medicine, China.
22.	J of Pharmacy Research, India.	73.	Tropical Life Science Research, Malaysia.
23.	J of Water and Health, UK.	74.	European J of Biological Research, Poland.
24.	Research J of Medicinal Plant, UK.	75.	Asian J of Biochemistry, USA.
25.	World J of Zoology, UAE.	76.	Annual Review & Research in Biology, USA.
26.	Drug Invention Today, India.	77.	Scientia Agriculturae, Pakistan.
27.	Global Veterinaria, UAE.	78.	International J of Zoological Research, USA.
28.	Trends in Biosciences, India.	79.	Research J of Parasitology, USA.
29.	Natural Science, China.	80.	American J of Phytomed & Clin Therap, USA
30.	Middle-East J of Scientific Research, UAE.	81.	J of Nutrition & Food Sciences, USA.
31.	European Rev for Med & Pharmacol Sci, Italy.	82.	Pharmacognosy J, India.
32.	American J of Chemistry- USA.	83.	Specialty Journal of Biological Sciences, Austria
33.	Rev. Inst. Med. Trop. Sao Paulo, Brazil.	84.	International Jof Pharma Sci and Res, India.
34.	Advances in Life Sciences, USA.	85.	J of Ayurveda and Integrative Medicine, India.
35.	Annals of Pharmacol & Pharmacotherap, USA.	86.	Asian journal of Science and Technology, India.
36.	The J of Zoology Studies, India.	87.	Adv Tissue Eng Regen Med Open Access. USA
37.	J of Scientific Research, USA.	88.	Op Acc J Bio Eng & Bio Sci, USA.
38.	Pharmacologyonline, Italy.	89.	American J of Biochem and Mol Biol, USA
39.	I.J.P.S.R. India.	90.	Journal of Biod. & Endang. Species, India.
40.	Scientifica, USA.	91.	Asian J of Advances in Medical Science, India.
41.	Trends in Applied Sci Res. USA.	92.	Asian J of Advances in Research, India.
42.	Biomed Research Journal, USA.	93.	J of Medicine and Surgical Sci, Australia.
43.	J of Biology and Earth Sciences, Poland.	94.	BioMed Research J, USA
44.	J. of Cell & Mol. Biol., Henry Publishing group	95.	Clinical Research Notes, USA
45.	Int J Biol Med Res, USA	96.	Int. J. Adv. Res., India
46.	SpringerNature	97.	Hymn. J. Aric., Kuwait.
47.	American-Eurasian J. of Toxicol .Sci, UAE.	98.	Hymn. J. of Medicine & Surgery., Kuwait.
48.	Alger. j. biosciences, Algeria	99.	Advance in Biological Research, Hill Pub.
49.	Vector-Borne and Zoonotic Diseases, USA	100.	Research & Reviews: A Journal of Life Sciences (RRJoLS) India.
50.	International J of Zool Investigations, India	101.	Munis Entomology & Zoology, Turkey.
51.	Asian J of Biological Research, Scione	102.	CIBTech J of Zoology, India.



Name of Journals in which 170 papers published/ accepted with impact factors:

Journals	Impact Factor Thomson Reuters	H-index	SJR (SCImago Journal Rank)	SNIP (Source Normalized Impact per paper)
Chemosphere, UK. Q1	8.100	212	1.448	1.540
Journal of Pest Science, Germany. Q1	5.981	68	1.901	2.000
Pest Management Science, U.K. Q1	4.845	107	1.180	1.488
Journal of Applied Toxicology. U.K. Q1	4.946	76	0.829	0.902
Phytotherapy Research, U.K.Q1	7.200	112	0.884	1.244
Pesticide, Biochemistry & Physiology, USA.Q1	4.860	71	1.940	1.256
Veterinary Parasitology, UK. Q1	2.738	109	1.041	1.141
Acta Tropica, UK. Q1	3.222	117	1.171	1.224
Clean, Soil, Air, Water (Formerly Acta hydrochimica et hydrobiologia, Germ. Q1	2.404	78	-	-
European Review for Medical and Pharmacological Sciences, Italy.Q1	3.507	48	0.618	0.841
Drug Invention Today, India Q1	7.851	12	0.108	0.398
J of Water and Health, UK. Q2	2.564	70	0.526	0.780
Biological Agriculture & Horticulture, UK Q2	1.864	27	0.529	0.872
J of the Sao Paulo Institute of Tropical Medicine, Brazil.Q3	1.983	44	0.626	0.812
J of Nutrition & Food Sciences, USA.	3.483	50	0.340	-
Natural Science, USA.	1.08	-	0.99	-
Scientia Agriculturae, Pakistan	0.898	-	-	-
International J of Zoology, USA. Q3	0.820	-	-	-
Asian J of Biological Sciences	0.200	19	-	-
International J of Zool Research, USA. Q1	0.820	-	-	-
J of Pharmacy Research, India.	0.740	-	-	-
Pakistan J of Biological Sciences.	0.730	-	0.230	0.840
Pharmacognosy J, India. Q1	0.710	-	-	-
Global Veterinaria, UAE.	0.677	-	0.240	-
Applied Science reports, Pakistan.	0.570	-	0.160	-
J of Biology and Earth Sci. Poland	0.623	-	-	-
Research J of Parasitology, USA. Q1	0.420	84	0.790	0.140
Pharmacologyonline, Italy. Q2	0.610	27	-	-
Malaysian Applied Biology, Malaysia.Q2	0.416	10	0.194	-
Tropical Life Science Research, Malaysia Q1	1.400	-	0.330	-
J of Herbs, Spices & Medicinal Plants, USA Q2	1.750	31	0.255	-
Annual Review of Biomed Sci, Brazil.	-	10	0.130	0.500
Research J of Medicinal Plant, UK.	0.018	-	0.41	1.140
J of Ayurveda and Integrative Medicine.India Q2	2.40	22	0.306	1.147
Vector-Borne and Zoonotic Diseases, USA Q3	1.80	-	9.640	-



Ph. D. Guided/ Ongoing

Name of Scholar/ RET/ NET	Topic of Ph. D. Degree/ Year
1. Arundhati Singh RET/2524/zool/20.11.2006 arundhatisingh015@gmail.com	Studies on the molluscicidal activity of <i>Saraca asoca</i> , <i>Brassica nigra</i> and <i>Thuja orientalis</i> against <i>Lymnaea acuminata</i> . Res/Ph.D./Result/Decl/2009 dt. 16.9.2009.
2. Harsh Vardhan Jigyasu RET/2471/zool/4.11.2006 harsh_jigyasu@rocketmail.com	Effect of certain environmental factors on the reproduction of pond snail <i>Lymnaea acuminata</i> . Res/Ph.D./Result/Decl/2010 dt. 2.8.2010.
3. Nitu Singh RET/7640/zool/4.7.2007 nitubhagel@gmail.com	Studies on the use of snail <i>Lymnaea acuminata</i> as sentinel organism for monitoring the water pollution in Ramgarh Lake. Res/Ph.D./Result/Jan/2011 dt. 28.1.2011.
4. Shweta Dubey RET/7820/zool/21.12.2010 shwetadubey30@gmail.com	Biosystematics and bioecology of <i>Aphis spiraeicola</i> Patch (Homoptera: Aphididae) in Northeastern Uttar Pradesh. Res/Ph.D./Result/Dec./2012 dt. 13.1.2012.
5. Shiv Kumar RET/7745/zool/16.12.2009 skumar.ddu@gmail.com	Studies on the molluscicidal activity of cow urine based formulations of different breeds of cow against harmful Snails. Res/Ph.D./Result/Dec./2013 dt. 2.12.2013.
6. Arun Kumar srivastava RET/7893/zool/09.8.2011 aksgkp5@gmail.com	Effect of certain attractant bait formulations, containing plant molluscicides on the reproduction of <i>Lymnaea acuminata</i> with reference to seasonal variation in abiotic Factors. Res/Ph.D./Result/Dec./2013 dt. 26.12.2013.
7. Kanchan Lata Singh RET/7801/zool/19.8.2010 kanchan.ddu@gmail.com	Studies on the synergistic molluscicidal activity of <i>Mimusops elegi</i> (Linn) and <i>Bauhinia vareigata</i> (Linn) with the plant molluscicide, piperonyl butoxide and MGK-264 against harmful snail. Res/Ph.D./Result/April/2014 dt.3.4.2014.
8. Ruby Singh RET/7924/Bot/4.11.2011 rubisinghgkp@gmail.com	Study of aquatic angiosperms in abatement of pollution using malacofauna as indicator. Res/Ph.D./Result/February/ 2016/7 dt. 11.02.2016.
9. Neelam Soni RET/8090/DS/29.3.2014 neelamsoni20july@gmail.com	Molluscicidal activity of <i>Terminalia arjuna</i> and <i>Tamarindus indica</i> against harmful snail. Res/Ph.D./Result/March/ 2017/06 dt. 15.03.2017.
10. Divya Chaturvedi RET/8089/DS/29.3.2014 dcgkp2290@gmail.com	Molluscicidal Activity of Photodynamic products of chlorophyll against <i>Lymnaea acuminata</i> and <i>Indoplanorbis exustus</i> . Res/Ph.D./Result/June/ 2017/11 dt. 02.06.2017.
11. Kavita Singh RET/8091/DS/29.3.2014 ksinghddu@gmail.com	Effect of chlorophyllin/ pheophorbide on the reproduction and development of snail <i>Lymnaea acuminata</i> . Res/Ph.D./Result/July/ 2017/15 dt. 21.07.2017.
12. Navneet Kumar RET/8092/DS/29.3.2014 navneetsonkar72@gmail.com	Photoattraction of snails and their control by photodynamic products of chlorophyll bait formulations. Res/Ph.D./Result/September/ 2017/17 dt. 22.09.2017.



Ph. D. Guided/ Ongoing

13. Kriti Bhardwaj RC/FSc/zool/2019- 20/23/22 dt 14.12.2023 kriti12021@ gmail.com	Evaluation of Immunomodulatory potential of paclitaxel and assessment of cell death mechanism in breast cancer cells. Awarded. Letter No. PhD/Result/April/2025/23 dt.30.04.2025
14. Savita Singh RC/FSc/zool/2019- 20/19/22 dt 14.12.2023 savitasingh8080@gmail.com	Effect of green pesticides on certain behavioural and physiological aspects of <i>Plutella xylostella</i> (Lipidoptera: Plutellidae). Awarded. Letter No. PhD/Result/December/24 dt.30.12.2024
15. Km Suman RC/FSc/zool/2019- 20/20/22 dt 15.12.2023 kmsumansingh8765@ gmail.com	Effect of different plant products on reproductive pattern of snail <i>Lymnaea acuminata</i> .
16. Sidheswari Singh Siddhi05siddhi@gmail.com	Studies on the molluscicidal and antihelmentic potential of common plants against <i>Lymnaea acuminata</i> and <i>Fasciola gigantica</i> cercaria larvae
17. Prachi Tripathi RC/FSc/zool/2019- 20/04/23 dt 12.12.2023 tprachi.19@gmail.com	Identification and Characterization of molluscicidal properties of <i>Artemisia</i> sp. and their effect on life cycle of <i>Lymnaea acuminata</i> .
18. Ankita Dixit ankitadikshit2001@gmail.com	
19. Akansha Srivastava akankshasriv3@gmail.com	



Research Projects:

1. Major research project entitled “Studies on synergistic molluscicidal activity of *Mimusops elengi* (Linn) and *Bahunia vareigata* (Linn) with other plant molluscicide, piperonyl butoxide and MGK 264 against harmful snails. **University Grants Commission (UGC) New Delhi- 3 years 2011-2014, Rs. 7,44,000=00. Completed.**
2. Harsh Vardhan Jigyasu, JRF and SRF –Rajiv Gandhi National Fellowship 2007, worked on “Effect of certain environmental factors on the reproduction of pond snail *Lymnaea acuminata*” sponsored by UGC, New Delhi. **Completed.**
3. Shiv Kumar, JRF & SRF –Rajiv Gandhi National Fellowship 2010, working on “Studies on the molluscicidal activity of cow urine based formulations of different breeds of cow against harmful snails” sponsored by UGC, New Delhi. **Completed.**
4. Navneet Kumar, JRF & SRF –Rajiv Gandhi National Fellowship 2015 working on “Photoattraction of snails and their control by photodynamic products of chlorophyll bait formulations” sponsored by UGC, New Delhi. **Completed.**
5. Kavita Singh, Inspired Fellowship (DST) 2015 working on Effect of chlorophyllin/pheophorbide on the reproduction and development of snail *Lymnaea acuminata*. Sponsored by DST New Delhi. **Completed.**
6. **Pilot Telemedicine Demonstration Project of TIFAC-Outreach Services. F. No. TIFAC/Telemedicine/2020 dt.25.11.2021. Rs. 991630=00. Completed.**
7. Co-supervisor higher education UP project entitled “Synergistic role of some plant as molluscicide against harmful snails” dt.27 March 2025. Rs. 176000/- ongoing.

Orientation/ Refresher Course

- Orientation 66th- DDU Gorakhpur University- 19.8.2006-15.9.2006; Grade-A
- Refresher Course- Department of Zoology, DDU GKP UNIV., 8.11.2006-28.11.2006-A
- Refresher Course- Department of Zoology, DDU GKP UNIV., 7.11.2008-27.11.2008-A
- Refresher Course MD- Department of Zoology, DDU GKP UNIV., 29.9.2012-19.10.2012-A
- Refresher Course - Department of Botany, DDU GKP UNIV., 06.09.2014-26.09.2014-A

Chief Editor

Dr. V.K. Singh- Nirman, **Student Union Patrika, 2004, DDU Gorakhpur University.**



Contribution in the corporate life of University/ Department

1. Assistant Coordinator of University Exam A/Bs Evaluation 2010, 2012, 2014-17.
2. Member of Under Graduate admission committee for the last 4 years.
3. Member of Post Graduate admission committee for the last 8 years.
4. Observer Joint Entrance Examination B. Ed. For the last 13 years.
5. ACS PAT DDU Gorakhpur University-2010-11.
6. Assistant Proctor.
7. Member of Development and Beautification committee.
8. ACS of University B. Ed. Exam 2010-11.
9. Member University flying squad Exam 2012, 2013, 2014, 2015, 2020-23.
10. NAAC (Assessor)-March 2024
11. Member-Faculty of Science, University of Delhi, New Delhi
12. Member- BoS, Maa Pateshwari University, Balarampur
13. Member BoS of DDU Gorakhpur University.
14. Member AC, DDU Gorakhpur University.
15. Member Faculty of Science, DDU Gorakhpur University.
16. Member BoS of RML Awadh University, Ayodhya.
17. Member BoS of Ch. Charan Singh University, Meerut.
18. Member BoS of Siddharth University, Kapilvastu, Siddharthnagar.
19. Assistant Coordinator and Team Leader Rovers & Rangers, DDUGU.
20. Chairperson Athletics, DDU Gorakhpur University, Gorakhpur 2013-till date.
21. Observer Counseling B. Ed. 2013 at RML Awadh University, Faizabad.
22. Assistant Coordinator Entrance Examination (UG & PG) 2015.
23. Observer CPMT-2015.
24. ADSW (June, 2015-Oct., 2023).
25. Convener, Rovers & Rangers (9.8.2017 to date)
26. Treasurer- Alumni, Department of Zoology
27. Secretary Alumni Association of DDUGU (2015-2024)
28. Resource Person- Academic Staff College.
29. Buyer DDUGU (Nov. 2021-Nov. 2023)
30. Coordinator UG Entrance Exam-2021-22, 2022-23 & 2023-24
31. Honorary Librarian (26.10.2021-19.6.2023)
32. Director SFC (July, 2021- October, 23)
33. Coordinator- Affiliated Colleges (December, 2020)
34. NAAC Coordinator Criteria-II

Seminar/ Workshop/ Symposia Attended or Organised

1. National Sensitization Programme on Biotechnology- 6th March 2005, Govt. of India, Ministry of small scale industries and Biotechnology & Environmental Science, DDU Gorakhpur University, Gorakhpur
2. **Member** of organizing committee - VIth symposium organized by department of Zoology and Aphidological Society of India-1996.
3. **Member** of organizing committee - VIIth symposium organized by department of Zoology and Aphidological Society of India- 2001.
4. **Member** of organizing committee- International Symposium on “**Current issues in Zoology and Environmental Science**” (11-13 Nov. 2006) organized by Department of Zoology (Environmental Science) & Biotechnology and Indian Academy of Environmental Sciences Hardwar, Uttaranchal.
5. Workshop on **Action Research and Writing Research Papers**, 26-27 May 2011, UGC sponsored and organized by A. S. C., DDU Gorakhpur University, Gorakhpur.
6. National Seminar on **Challenges of biosciences in 21st century** (19-20 February, 2011) organized by SP PG College, Shoharatgarh, Siddharthnagar sponsored by UGC, New Delhi.
7. **Invited Lecture**- MP PG College Jungal Dhusar, Gorakhpur 3.11.2011 on the topic



COW URINE.

8. National Workshop on “**Sensitization of women scientists**” on 13.8.2012 organized by Biozone Research Foundation, Gorakhpur and Department of Botany DDU Gorakhpur University, Gorakhpur.
9. Short-term Course on **Plant, Medicine and Health** (1-7 September, 2012) organized by Department of Botany and Academic Staff College (UGC), DDU Gorakhpur University, Gorakhpur.
10. **Member** of organizing committee- **Ist Uttar Pradesh Science Congress** on “**Science Shaping for Future of Uttar Pradesh**” organized by DDU Gorakhpur University, Gorakhpur March, 2-4, 2013.
11. Participated **2nd National Symposium on “BARC Technologies for Development of Rural India (BTDR-2013)”** organized by BARCOA and DDU Gorakhpur University, Gorakhpur in association with BRNS, Mumbai of March, 12-13, 2013.
12. **Member** of organizing committee- National Symposium on “**Advances in Zoology and Environmental Science**” (13-14 March. 2013) organized by Department of Zoology, DDU Gorakhpur University, Gorakhpur.
13. Participated **XXXVI National Botanical Society** organized by Department of Botany, DDU Gorakhpur University, Gorakhpur (October, 18-19, 2013).
14. **Joint Organising Secretary-** International Symposium on “**Harmony with nature in context of ecotechnological intervention and climate change**” Harmony-2013 (11-13 November, 2013) organized by Department of Zoology, Environmental Science & Biotechnology in collaboration with National Environmentalists Association, Ranchi.
15. Participated **National Symposium on “Advances in Zoology & Environmental Science”** organized by Deptt of Zoology, SVM PG College, Gorakhpur, December, 19-20, 2014.
16. **Organizing Secretary-** International Symposium on “**Frontiers of Natural Products Research & Human Health & 2nd Annual Meeting of ISLS**” (19 December, 2015) organized by Department of Zoology in collaboration with Indian Society for life science.
17. Participated **National Conference on “Recent trends in Mathematics & Statistics”** organized by Deptt of Mathematics & Statistics, DDU Gorakhpur University, July, 23-24, 2016.
18. Participated **National Seminar on ‘Quality Management in Higher Education Institutions’** organized by Deptt of Education and NACC, DVNPG College, Gorakhpur, October, 20-21, 2016.
19. Participated **National Conference on Solid Materials (NCSM)** organized by Deptt of Physics, DDU Gorakhpur University, March, 29, 2018.
20. Participated **International Conference (CONTAPS-XXII)** organized by Deptt of Physics, Dr RML Awadh University, Faizabad, April, 13-15, 2018.
21. Participated **International Conference (ICABERHW-2018)** organized by Deptt of Zoology, DDU Gorakhpur University, Gorakhpur, November, 16-18, 2018.
22. **Organizing Secretary-** National Symposium on “**Prachin Bharat Ke Vagyanik aur unke awadan**” organized by Dean, Student-Welfare, Mahayogi Guru Shree Goraksh Nath Shodh Peeth, DDU Gorakhpur University, Gorakhpur in collaboration with Uttar Pradesh Hindi Sansthan, Lucknow on January, 23-24, 2019.
23. Participated **National Conference on “Emerging Trends in Science”** organized by Maharana Pratap PG College, Jungal Dhusar, Gorakhpur on 1-2 February, 2019.
24. Participated **National Seminar on Environment, Technology and Sustainable Development: Issues and Challenges** organized by Deptt of Sociology, DDU Gorakhpur University, February, 22 & 23, 2019.
25. Co-Chaired (technical session-VI) **National Seminar on Biotechnological Intervention in Agriculture, Health & Industry (BIAHI-2019)** organized by Deptt of Biotechnology, DDU Gorakhpur University, February, 23 & 24, 2019.
26. Short-term Course on **Tools & Techniques in Life Sciences** (25-26 March, 2019) organized by Department of Zoology, DDU Gorakhpur University, Gorakhpur.



27. Participated and Chaired a technical session in **National Conference (14-15, December, 2019)** on “**Nath Panth Vishwakosh: Yojna avm Kriyanvayan ke vividh yayam**” organized by **Mahayogi Guru ShreeGorakshnath Shodh Peeth**, DDU Gorakhpur University, Gorakhpur.
28. Participated **National Symposium** on “**Rastriya Punarjagran me Nathpanth ka Yogdan**” organized by **Mahayogi Guru ShreeGorakshnath Shodh Peeth**, DDU Gorakhpur University, Gorakhpur & Onkareshwar, Prayagraj at sangam on January, 27, 2020.
29. Participated and Chaired a technical session in **National Webinar Cum Seminar (10-12, December, 2020)** on “**Sustainable Development of Poorvanchal: Issues, strategies and Way forward**” organized by Planning Department, Uttar Pradesh & DDU Gorakhpur University, Gorakhpur.
30. Participated and delivered a lecture in **International Seminar (12-14, February, 2021)** on Pt. Deen Dayal Upadhyaya’s “**Integral Humanism: A viable pathway to sustainable development**” organized by DDU Gorakhpur University, Gorakhpur and Coorganizers- Deen Dayal Upadhyaya Shodhpeeth, Mahayogi Shri Gorakshnath Shodhpeeth, Deen Dayal Upadhyaya Research Institute, New Delhi and Pt. Deen Dayal Upadhyaya Janmbhumi Samiti, Mathura.
31. Participated in **International Seminar (20-22, March, 2021)** on “**Global Contribution of Nath panth**” organized by DDU Gorakhpur University, Gorakhpur and Coorganizers- Baba Mastnath university, Deen Dayal Upadhyaya Shodhpeeth, Mahayogi Shri Gorakshnath Shodhpeeth, Yogishwar math, Carabanik Math, Maharana Pratap Siksha Parisad.
32. **Convener- “NEP-2020: Create Awareness by academic community**” a workshop (29th August, 2022) organized by DDU Gorakhpur University & Bhartiya Shikshan Mandal, Goraksh Prant.
33. **Chairperson- “Rashtra Chetna Utsav Vision-2047”** a three days International Seminar on the occasion of 106th Birth Anniversary of Pt. Deen Dayal Upadhyaya (24 September-26 September, 2022) organized by DDUGU.
34. **Organizing Secretary- National Workshop on “Implementation of National Education Policy”** organized by IQAC, DDU Gorakhpur University, Gorakhpur in collaboration with Shiksha Sanskriti Utthan Nyas, New Delhi on May, 28-29, 2023.
35. Participated in **National workshop (14-17, June, 2024)** on “**Implementation of National Education Policy 2020**” organized by Sarala Birala University, Ranchi and Siksha Sanskriti Utthan Nyash, New Delhi.
36. **Organizing Secretary- National Workshop on “National Education Policy-2020 : Atmnirbhar Bharat ki Sankalpna**” organized by MG Degree College, Gorakhpur in collaboration with Shiksha Sanskriti Utthan Nyas, New Delhi on October, **13-14, 2024**.
37. **Member Mission Shakti Phase-5** organized by DDU Gorakhpur University from 5th October to 6th January, 2025.



Biography

Prof. (Dr.) Vinay Kumar Singh, who was born on July 15, 1969, and has a stellar academic career, is a full professor of Zoology (Cadre) at Deen Dayal Upadhyaya Gorakhpur University in Gorakhpur. Prof. Singh has over 30 years of expertise in both teaching and research in universities. He was previously the Director of Self-Financing Courses and the Honorary Librarian. At the moment, he serves as the Coordinator for the Rovers & Rangers and the Electronic Data Processing Cell. He is an NAAC Assessor member. Since 1993, Prof. Singh has been actively engaged in the study of fascioliasis and the management of snail vectors. The WHO has classified fascioliasis as a Neglected Tropical Disease. Current areas of study include vector-borne diseases, toxicology and pharmacology and isolation of natural plant products for pest control. From over a dozen medicinal plants, Prof. Singh has successfully extracted and identified pure molluscicidal chemicals and examined how they work at the cellular level in snails. His contributions to the development and application of synthetic and biopesticides for integrated pest/vector-disease management are acknowledged globally. He is currently researching the pesticidal qualities of several Indian cow breed urine compositions, either alone or in combination with bioactive plant molluscicide products. Fascioliasis control research publications that are extensively cited and praised worldwide describe the use of defined plant-derived molluscicides, synergistic combinations, bait formulations, or lowering the vector/host's reproductive potential to keep the population below a threshold level. His Malacology lab, where many aspects of snail control are being worked on, is internationally renowned. Dr Singh has authored **170** research articles having an impact factor of up to nine that have been published in **102** prestigious Q1 to Q4 international journals. With **26** H-indexes and **62** i10-indexes, Prof. Singh's articles have received **2714** Google Scholar citations worldwide.

Dr. Singh has written **13 Text/ Reference books- Insect Science: Principles & Applications, EPH Publications India; Introduction to Ecology: Interconnections in Nature; A Guide to Environmental Monitoring and Evolution Theory: Historical Background and Fundamentals- Delve Publishing; Fascioliasis: Cause, Challenges & Control, Springer Nature, UK, Bioindicator; Pestiferous Gastropods & their Control, Bioecology of *Aphis spiraeicola* Patch., Photo/Chemo Stimulus: A New Approach to Control Fasciolosis, Chlorophyllin and Plant Toxicology & Pharmacology, Photoremediation of gastropods- Lambert Academic Publishing** and also published **07 chapters in a edited book**. Prof Singh has supervised **15** Ph.D. students. He has delivered invited talks/ presented research papers in several National and International conferences. Prof Singh is life member of Indian Science Congress Association (ISCA), Kolkata and National Environmentalist Association (NEA), Ranchi. He is the **Editor-In-Chief** of Research & Reviews: A Journal of Toxicology (**RRJoT**), **India. Associate Editor/ Member Editorial Board** of International scientific Journals- International J of Zoological Research, USA; Asian J of Biological Sciences, USA; Natural Environment, USA; American J of Biochemistry & Molecular Biology, USA; Research Journal of Food Science and Quality Control, Nigeria; Annals of Clinical Pharmacology & Toxicology, USA; Research J of Parasitology, USA and he is reviewer of several International Research Journals. Prof Singh had been nominated as Member of University Court (JNU) by Hon'ble President of India; recently he is nominated as Member of Faculty of Science, University of Delhi.

Land Mark Contribution: Malacology Research Team-Reported First time Nucleotide Sequencing of *Fasciola gigantica* and their larva cercaria. It is trematode parasite causing Fasciolosis in cattle population as well as human being.

A GenBank accession number KT149356 and KT149357 were allotted (online) for cercaria larva and *F. gigantica*, respectively. Source-www.ncbi.nlm.nih.gov/KT149357.1 and/KT149357.2.

On November 14, 2024, Prof. Singh received his **FIRST INDIAN PATENT**, which also happens to be the department's first patent.

Cell- +91-9415855488; +91-9807110100 (Whatsapp); Email- vinaygkpuniv@gmail.com.

Vidwan-ID: 470309; <https://vidwan.inflibnet.ac.in/profile/470309>

Prof. Vinay Kumar Singh