



केशव प्रसाद मिश्र राजकीय महिला महाविद्यालय औरई, संत रविदास नगर भदोही (उत्तर प्रदेश)
KESHAV PRASAD MISHRA RAJKIYA MAHILA MAHAVIDYALAYA AURAI, SANT RAVIDAS NAGAR BHADOHI (U.P.)
AFFILIATED WITH MAHATMA GANDHI KASHI VIDYAPITH, VARANASI (U.P.)
NAAC ACCREDITED 'C' & RECOGNISED BY UGC UNDER SECTION 2(F) & 12 (B)



CURRICULUM VITAE

DR. SUMAN GUPTA

- **Name of Department:** HOD, Botany
- **Educational Qualifications**
- High School - 71 % U.P. Board, Allahabad
- Intermediate -69 % U.P. Board, Allahabad
- B.Sc. (Allahabad University 73%)
- M.Sc . (Allahabad University 73%)
- Position Holder, M.Sc. Merit List, Allahabad University
- D.Phil / PhD (Allahabad University)
- A Certificate course in Computer Application, 79%, Allahabad University

Subject/Area of research: Environmental Aspects of Plants, Biofertilizer Production and Application, Medicinal Plants

Specialisations: Environmental Science, Ecology, Applied Microbiology and Phycology, Medicinal Plants,

College Office Address: Keshav Prasad Mishra Rajkiya Mahila Mahavidyalaya Aurayi Bhadohi U.P.221301

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Teaching and Research Experience- Total Teaching Experience: >> 20 years
Teaching experience: (a) U.G. 19 Years (b) P.G. 19 Years in Kashi Naresh Govt. Post Graduate College, Gyanpur, Bhadohi, U.P.(c) 11 months in Rajkiya Mahavidyalaya, Bairia, Ballia, U.P. (d) Now, from May, after transfer, posted in Keshav Prasad Mishra Rajkiya Mahila Mahavidyalaya Aurayi, Bhadohi, U.P.

(b) Research Experience: 20 years

(c) Publication: **50 Research Papers** in National and International journals

Note: All published papers are available on the World Wide Web

List of Publications

- **RESEARCH PAPERS AND ARTICLES**

1-A Comprehensive Review of Spirulina: Morphology, Commercial Cultivation, and Therapeutic Significance Dr. Suman Gupta Assistant Professor, Department of Botany, Keshav Prasad Mishra Govt. P.G. College, Aurayii, Bhadohi, Uttar Pradesh, Affiliated With Maa Vindhyavasini Vishvavidyalaya, Mirzapur, Uttar Pradesh, India International Scientific Journal of Engineering and

Management (ISJEM) Volume: 05 Issue: 06 | Jun – 2026 ISSN: 2583-6129 DOI: 10.55041/ISJEM07938An International Scholarly || Multidisciplinary || Open Access || Indexing in all major Database & Metadata 2026, ISJEM (All Rights Reserved) | www.isjem.com | Impact Factor: 8.072

2-VEGETATIVE SURVIVAL AND REPRODUCTION UNDER--AUREA 49(1)37-40(2004) FOLIA MICROBIOLOGICA (PUBLISHER SPRINGER) 17418 AND PEER REVIEWED, FOLIA MICROBIOLOGICA (PUBLISHER SPRINGER)49(1)37-40 ISSN 00155632,18749356 UGC CARE Listed Impact factor 1.730

3-Zoosporangia Survival, Dehiscence and Zoospore formation, Motility in the green alga Rhizoclonium hieroglyphicum as affected by different factors.2005. Folia Microbiol. (Springer) 49(5) 549-556 Impact factor ISSN 00155632,1874935649(5) 549-556. UGC CARE Listed Impact factor 1.730

4-SURVIVAL OF BLUE-GREEN AND GREEN ALGAE UNDER STRESS CONDITIONS 51(2)121-128(2006)FOLIA MICROBIOLOGICA (PUBLISHER SPRINGER) 17418 AND PEER REVIEWED, ISSN 00155632,18749356 UGC Listed 51(2)2006 UGC Care Listed Impact factor 1.730

5- MOTILITY IN OSCILLATORIA SALINA AS AFFECTED BY DIFFERENT FACTORS 51(6)565-571(2006)FOLIA MICROBIOLOGICA (PUBLISHER SPRINGER) 17418 AND PEER REVIEWED Impact factor 1.730 ISSN 00155632,18749356 UGC Care listed

6- SURVIVAL AND REPRODUCTION IN SOME ALGAE UNDER STRESS CONDITIONS 52(6)603-617(2007)FOLIA MICROBIOLOGICA (PUBLISHER SPRINGER) 17418 AND PEER REVIEWED, ISSN 00155632,18749356 UGC Listed Impact factor 1.730

7- SURVIVAL AND MOTILITY OF DIATOMS --CHEMICAL FACTORS 52(2)127-134(2007)FOLIA MICROBIOLOGICA (PUBLISHER SPRINGER) 17418 AND PEER REVIEWED ISSN00155632,18749356 UGC Care Listed Impact factor 1.730

8- VEGETATIVE SURVIVAL OF SOME WALL-UNDER STRESS CONDITIONS 53(4)343-350(2008)FOLIA MICROBIOLOGICA (PUBLISHER SPRINGER) 17418 AND PEER REVIEWED REVIEWED ISSN00155632,18749356 UGC Care Listed

9- SURVAVAL AND REPRODUCTION OF SOME BLUE GREEN AND GREEN ALGAE --BENZENE 54(1)67-73(2009)FOLIA MICROBIOLOGICA (PUBLISHER SPRINGER) 17418 AND PEER REVIEWED ISSN00155632,18749356 UGC Care Listed- Impact factor 1.730

10-Hazard recognition , occurrence and detection of Cyanobacterial mass population and toxins. Review article. National Conference on Environmental pollution and climate change .S.B.P.G. College Varanasi Dec. 2009 .

11- SURVIVAL OF ENTEROMORPHA MINIMA UNDER DIFFERENT STRESS CONDITIONS 24(2)82-85(2011)VEGETOS 35540,3554 AND PEER REVIEWED VEGETOS UGC Listed ISSN 09704078 Impact factor 0.100

12- SURVIVAL OF DIATOMS SYNEDRA -- PRESENCE OF DIFFERENT CHEMICAL AND PHYSICAL STRESS FACTORS 2(1)52-76(2011) JOURNAL OF ALGAL BIOMASS UTILIZATION (PHYCOS 46567 AND Peer Reviewed UGC Listed ISSN 22296905

13- Role of Algae in Organic Farming . October 2011 SHODH PRERAK ISSN 2231-413X, Vol. No. 1, Issue 4, 284-290, , A Multidisciplinary Quarterly International Peer Reviewed Refereed Research Journal

14- SURVIVAL AND REPRODUCTION OF SOME AQUATIC GREEN ALGAE FACING VARIOUS STRESS CONDITIONS 3 (4)20-26 (2012) JOURNAL OF ALGAL BIOMASS UTILIZATION(PHYCOSP 46567 and Peer Reviewed UGC Listed ISSN 22296905

15- SURVIVAL AND REPRODUCTION OF SOME BLUE GREEN AND GREEN ALGAE UNDER DIFFERENT CHEMICAL POLLUTANTS 25(1)261-270(2012) VEGETOS 35540,3554 and Peer Reviewed ISSN09704078 UGC Listed

16- Algal identification and Culture : Used in Agrifarming. 2012 Śodha Pravāha (A Multidisciplinary Peer Reviewed Refereed Research Journal) Regd. No.: 1687-2006-2007 ISSN 2231-4113 Vol. II Issue 2 April 2012 107-112

17- Eco-friendly Algal Flora Used in Organic Farming: 2013 Annals of Multi-Disciplinary Research A Quarterly International Peer Reviewed Refereed Research Journal Annals of Multi-Disciplinary Research, ISSN 2249–8893, Volume V, Issue 1, March 2013 85-90 ISSN 2249 – 8893

18- Changing Climatic Conditions and Their Effect on Farming : (2014)ISSN 2249 – 8907 VAICHARIKI A Multidisciplinary Peer Reviewed Refereed International Research Journal Volume IV Issue 2 June 2014 103-108

19-Survival and Reproduction of Algae under dried storage in different light conditions and temperatures2015. Proceedings of NSCSDIE in 21st Century: 79-81. IJSR special edition. ISSN :0976-2876. UGC Listed Journal

20-MORINGA: THE ‘MIRACLE TREE’ BACKED BY SCIENCE : 2017 :International Journal of Advance and Applied Research (IJAAR) Peer Reviewed Bi-Monthly ISSN – 2347-7075 Impact Factor – 5.136 Vol.4 No.4 March - April 2017, pg 81-87

21- GROW YOUR OWN FOOD: MASTERING KITCHEN GARDENING FOR YEAR-ROUND HARVESTS :International Journal of Advance and Applied Research (IJAAR) Peer Reviewed Bi-Monthly ISSN – 2347-7075 Impact Factor – 5.136 Vol.4 No.5 May - June 2017, pg .39-45

22- Exploring Edible Flowers: A Journey from Garden to Plate :2018 International Journal of Advance and Applied Research (IJAAR) Peer Reviewed Bi-Monthly ISSN – 2347-7075 Impact Factor – 4.935 Vol.6 No.2 Nov – Dec 2018 IJAAR Vol.6 No.2 ISSN – 2347-7075 ,page 158-165 UGC Listed

23- Heat Stress on Vegetative Survival and Reproduction of Different Algae studied. June 2018 Journal of Current Science. Vol 19 No. 06 . Impact factor0.756 ISSN 9726-001X -2018 UGC Listed

24-“EFFECT OF HOUSEHOLD SEWAGE WATER IN OSCILLATORIA SPECIES OF ALLAHABAD DISTRICT”– UGC APPROVED 64664 (2019) Vol. 20 , page 1-4

25- Unlocking the Potential of Microgreens: A Step Towards Sustainable Food Systems: July–Aug 2019 International Journal of Advance and Applied Research (IJAAR) Peer

**Reviewed Bi-Monthly ISSN – 2347-7075 Impact Factor – 7.328 Vol.6 No.6 July–Aug 2019
pg 217-224**

26- Study of Seasonal Variation in some algae. April 2020 Vol. 16 issue 1. Bhugol Swadesh Charcha , Multidisciplinary International Journal. ISSN 2581-4788 . Impact factor 6.003 UGC CARE

27- Study of Water Stress in Viability and Reproduction of Green Alga *Chlorella variegata*. January 2020 Vol 16 issue 1. Bhugol Swadesh Charcha ISSN 2581-4788. Impact factor 6.003 UGC CARE .

28- Toxins from Cyanobacteria. June 2020 Vol 16 Special issue. Bhugol Swadesh Charcha. Multidisciplinary International Journal. ISSN 2581-4788 . Impact factor 6.003 UGC CARE

29-TRADITION TO TREATMENT: EXPLORING THE MEDICINAL POTENTIAL OF TULSI (*Ocimum sanctum*) Nov- Dec 2020, International Journal of Advance and Applied Research (IJAAR) Peer Reviewed Bi-Monthly ISSN – 2347-7075 Impact Factor – 7.065 Vol.8 No.2 pg182-188

30-FROM SOIL TO SOCIETY: ORGANIC FARMING FUELS SUSTAINABILITY : Nov- Dec 2020, International Journal of Advance and Applied Research (IJAAR) Peer Reviewed Bi-Monthly ISSN – 2347-7075 Impact Factor – 7.065 Vol.8 No.2 pg.189-195.

31-Book Chapter (i) -

- Topic -"Algal Secondary Metabolites" in Book entitled Green Initiatives and Sustainable Development 2020, Learning Media Publications ISBN 978-81-942503-2-6. page 318-320.

Book Chapter (ii)-

32- Topic -"Algal Bio-fuel : A sustainable source of Alternative Energy ", in Book entitled Environmental Aspect of Alternative energy Sources.2020. (Vol 1), Bharty Publication New Delhi,ISBN 978-93-89657-43-2 .page 126-130.

Book Chapter (iii) -

33- Topic -"Plastic Pollution and Climate Change " in Book entitled Renewable Energy Sources an Assessment in Environmental Scenario (Vol 2). 2020. Bharty Publication, New Delhi ISBN 978-93 .

34-HEALING HERBS: THE POWER OF MEDICINAL PLANTS IN PROMOTING HEALTH AND WELL-BEING: 2021 International Journal of Advance and Applied Research (IJAAR) Peer Reviewed Bi-Monthly ISSN – 2347-7075 Impact Factor – 7.328 Vol.9 No.1 Sept–Oct 2021, page 217-223.

35-PERSPECTIVE OF CLIMATE CHANGE AND BIODIVERSITY: 2021 dec. International Journal of Advance and Applied Research (IJAAR) Peer Reviewed Bi-Monthly ISSN – 2347-7075 Impact Factor – 7.328 Vol.9 No.2 Nov – Dec 2021 page 196-202.

36-Millet: The Eco-Friendly Superfood Revolutionizing Sustainable Food Systems : Dec 2022, International Journal of Advance and Applied Research www.ijaar.co.in ISSN – 2347-

7075 Peer Reviewed Vol.10 No.2 Impact Factor – 7.328 Bi-Monthly November – December 2022 , pg.658-664.DOI - 10.5281/zenodo.19436478 pg 658-664

37- Climate Change: Human Health: “Allergens”,“COVID 19” & Immunity Boosters, 2022, International Research Journal of Management Science & Technology, [HTTPS://DOI.ORG/10.32804/IRJMST](https://doi.org/10.32804/IRJMST), ISSN 2250 – 1959(Online) 2348 – 9367 (Print) An Internationally Indexed Peer Reviewed & Refereed Journal IRJMST Vol 13 Issue 12 [Year 2022] ISSN 2250 – 1959 (Online) 2348 – 9367 (Print) UGC ID47959

38 -ROLE OF MICROORGANISM FOR PLANT GROWTH AND EXECUTION OF ECOFRIENDLY ENVIRONMENT: 2022 jan International Journal of Advance and Applied Research (IJAAR) Peer Reviewed Bi-Monthly ISSN – 2347-7075 Impact Factor – 7.328 Vol.9 No.3 Jan – Feb 2022 pg 1082-1088

39-Socioeconomic and Environmental Aspect of Superfood: Millets For Sustainable Future.2023, KUTUP MULTIDISCIPLINARY JOURNAL .SPECIAL ISSUE JANUARY -JUNE 2023 page 47-48 UGC CARE LISTED KUTUP an INTERNATIONAL JOURNAL ISSN 2582-5356

40-STUDY ON SOME ALGAE COLLECTED FROM ALLAHABAD AND ADJOINING AREAS USED AS BIOFERTILIZERS, Dec 2023 , International Research Journal of Management Science & Technology ISSN 2250 – 1959(Online) 2348 – 9367 (Print) An Internationally Indexed Peer Reviewed & Refereed Journal IRJMST Vol 14 Issue 12 [Year 2023] ISSN 2250 – 1959 (Online) 2348 – 9367 (Print) [HTTPS://DOI.ORG/10.32804/IRJMST](https://doi.org/10.32804/IRJMST), impact factor 8.1026 UGC ID47959

41- SEASONAL VARIATIONS OF SOME PHYTOPLANKTONIC ALGAE COLLECTED FROM GANGA RIVER OF PRAYAGRAJ DISTRICT . Asian Resonance 2024 . VOL XIII, ISSUE III JULY Digital Object Identifier(DOI) [UPENG/2012/42622 ID 19014](https://doi.org/10.32804/IRJMST) Asian Resonance 2024 . VOL XIII, ISSUE III JULY ISSN No. 0976-8602 (p), ISSN No. 2349-9443 i mpact factor 7.076 pg 15-19 SSN No. 0976-8602 (p), ISSN No. 2349-9443.

42-VIABILITY AND PERIODICITY OF CYANOBACTERIA OSCILLATORIA LIMOSA AND PHORMIDIUM FOVEOLARUM IN RESPONSE TO SEASONAL CHANGES IN THE ENVIRONMENT, JAN 2024, INTERNATIONAL RESEARCH JOURNAL OF MANAGEMENT OF SCIENCE AND TECHNOLOGY VOLUME 15, issue 1 Jan 2024 pg 56-60 ISSN 2250 – 1959(Online) 2348 – 9367 (Print) impact factor 8.1026 [HTTPS://DOI.ORG/10.32804/IRJMST](https://doi.org/10.32804/IRJMST), UGC ID47959

43- STUDY OF PLANT SUCCESSION OF SOME PLANTS IN KNGPG CAMPUS GYANPUR , BHADOHI DISTRICT U.P . Sep, 2025,INTERNATIONAL RESEARCH JOURNAL OF MANAGEMENT OF SCIENCE AND TECHNOLOGY , ISSN 2250 – 1959(Online) 2348 – 9367 (Print) An Internationally Indexed <https://doi.org/10.32804/irjmst>Peer Reviewed & Refereed Journal pg 35-57, UGC listed Journals UGC ID 47959, Research gateway , sara soln. by Google Scholar <https://doi.org/10.32804/irjmst>, Impact Factor 8.1026 UGC ID47959

44-Promotion of Research and Funding from Lab to Land: 2025 Opportunities and Challenges for innovated agriculture, international journal, Research Stream Volume 2 issue 1 April 2025Research Stream IJARMS Journal e ISSN 3049-2610 Peer reviewed

45-Impact of mobile phones used by the students and its impact on their mental health (IRJMST)International research journal of Management science and technology, internationally indexed, peer reviewed VOLUME 16, issue 3, March 2025 ISSN-2250-1959(0)2348-9367 impact factor 8.1026 <https://doi.org/10.32804/irjmst>, UGC

ID47959

46- Growing Under Glass: Polyhouse & Greenhouse Innovations for Agri Farming as Environmental Sustainability International Scientific Journal of Engineering and Management (ISJEM) Volume: 05 Issue: 03 | March – 2026 ISSN: 2583-6129 DOI:10.55041/ISJEM05802 An International Scholarly || Multidisciplinary || Open Access || Indexing in all major Database & Metadata www.isjem.com | Impact Factor: 8.072 pg 1-6.

**47-Krishi Sakhis: Bridging the Gap in Natural Farming Awareness and Adoption: © 2026
Agricatalogues ISSN: 3108-124X: Volume 02, Issue 3 March- 2026 pg 1-4**

- PATENTS DONE - 01**
- PATENT UNDER PROCESS -01**
- 48- BOOKS PUBLISHED -01**
- 49-Text Book Under Publication -01**

EDITED BOOKS –

**50(1)-Shodh ADHAR – Shrinkhla -02, KBC NanoPublication New Delhi ,
NATIONAL, 2022, ISBN 13-978-93-83918-10-6**

**51(2)Shodh Adhar Shrinkhla -03, Nayi Shiksha Niti: Sanskritic evum
Paryavarniya Vimarsh, INSHA Publication, Delhi , November 2023, ISBN
978-93-88647-60-1**

Conferences / Seminars and Papers Presented -more than 67

E-CONTENT DEVELOPED AND UPLOADED ON HIGHER EDUCATION SITE -15

Invited Lectures: 10

Faculty Development Programs

- 1- MOOCS – Ramanujan College, New Delhi, UGC MMMTC- 2021**
- 2- RESEARCH WRITING AND ACADEMIC INTEGRITY – UGC MMMTC -2026**

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