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Designation	Professor					
Address	Lab-9, Department of Botany, University of Rajasthan, Jaipur					
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Profile Link (Research Gate)	https://www.researchgate.net/profile/Gajendra-Singh-40?ev=hdr_xprf					
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Educational Qualifications						
Completed BSc in 1986, MSc in 1988, and got awarded PhD degree in 1992 on the topic “Chlorococcalean Alga for Utilization as a Source of Protein : <i>Ankistrodesmus fusiformis</i> (Corda)” highlighting a trajectory of academic distinction.						
Career Positions Held						
• Professor: 2012 to till date at Department of Botany, University of Rajasthan, Jaipur. • Associate Professor: 2009 to 2012 at Department of Botany, University of Rajasthan, Jaipur. • Assistant Professor: from 1996 to 2009, at Department of Botany, University of Rajasthan, Jaipur.						
Administrative Assignments						
• Syndicate Member, University of Rajasthan, Jaipur • Principal, University Maharaja College, Jaipur • Convener Standing Committee (SFS), University of Rajasthan, Jaipur • Director- Academics, University of Rajasthan, Jaipur. • Nodal Officer, NEP-2020, University of Rajasthan, Jaipur. • Convener, Coding Committee, University of Rajasthan, Jaipur. • Convener, Unfair Means (UM) Committee, University of Rajasthan, Jaipur. • Former Dean of Student Welfare, University of Rajasthan, Jaipur. • Former Convener, Revaluation committee of University of Rajasthan, Jaipur. • Former Vice-Principal University Maharaja College, Jaipur						

- **Former Additional Coordinator UCCS & IT, University of Rajasthan, Jaipur.**
- **Former Rector, University Maharaja College, Jaipur**
- **Former Proctor, University Maharaja College, Jaipur**

Areas of Interest / Specialization

Algal growth in wetlands significantly influences the ecosystem by providing a food source for organisms at higher trophic levels, contributing to nutrient and biogeochemical cycling, oxygenating the water column, regulating water chemistry, creating habitat for other organisms and acting as physical barriers to erosion. These factors and others contribute to the utility of the algal assemblage for biological assessment in aquatic communities. Additionally, the rapid response time of the algal community to changing environmental conditions is a major advantage to their use as biological indicators. Thus, it is essential to study algal community in fluctuating physico-chemical scenario of water bodies to conserve and manage the ecosystem. My lab is studying the biodiversity of algae in different wetlands of the Rajasthan. In addition to that effect of various mutagens on growth and productivity of algal products are also interests of our lab.

Subjects Taught

Algae, Applied phycology, Ecology, Plant taxonomy, Bryophytes, Pteridophytes, Gymnosperms, Cell Biology, Plant developmental biology.

Research Guidance

Students supervised:

- **PhD degree- 19 Awarded**
- **M. Sc. students dissertation/project training: 20**

List of PhD thesis Awarded

1. **Sapna Rawat** (2009)- Effect of physical mutagens on Bio pigments of some fresh water algae
2. **Rakesh Roshan Sharma** (2011)- Effect of Lactobacillus and *Leuconostoc* Spp. Isolated from Camel and Cattle milk on food keeping quality.
3. **Jang Bahadur Khan** (2011)- Biodiversity of Flora in Nahargarh wildlife Sanctury (IUWS)
4. **Manoj Kumar** (2011)- Impact of Chemical Mutagens on Bio pigments of some Fresh Algae.
5. **Ravish Verma** (2011) Effect of Environment condition and water pollution on distribution of algal flora in Sikar of Rajasthan
6. **Poonam Sengar** (2012)- Algal Flora of Selective Water Bodies in and around Jaipur
7. **Gajendra Kumar Dautania** (2013)- Comparative Study of Amino Acid and Protein in Blue Green Algae Of Rajasthan
8. **Jyoti Kulshreshtha** (2013)- Bio pigments from aquatic algae of Rajasthan

9. **Rashmi Pareek** (2013)- Database generation of diatoms diversity of Galta Kund, Jaipur
10. **Shilpa Rajvanshi** (2015)- Experimental Study of Antibacterial Effect of Herbal Plant Extracts
11. **Namita Sikarwar** (2015)- Effect of heavy metals on Growth, Bio pigments and photosynthetic enzymes of *Chlorella vulgaris* and *Oscillatoria*
12. **Ravindra Kumar Saini** (2017)- Effect of heavy metals on growth Bio pigment and protein profiling of *Chlorella* and *Dunaliella salina*.
13. **Amrit Dahiya** (2017)- Carbohydrate and lipid profiling of *Dunaliella salina* Teod and *Spirulina platensis* after induction of heavy metals
14. **Priyanka Dhaka** (2018)- Effect of physical and nutritional stress on growth Bio pigment and lipid content of *Dunaliella salina*
15. **Chanchal Lata** (2018) Chemical Mutagenic effect on Bio pigments and protein contents of *Dunaliella salina* isolated from Sambhar Lake
16. **Manoj Kumar** (2018) Effect of water pollution in Indira Gandhi canal on distribution of Algal flora in Hanumangarh district of Rajasthan
17. **Shikha Gupta** (2023) Study of the algal flora with relation to the physico-chemical aspects of Chandlai lake, Jaipur.
18. **Jai Singh** (2023) A Comprehensive Study of Orchids in Southern Rajasthan
19. **Amish Dev Singh** (2023)- Biochemical response of *Oscillatoria agardhii* and *Spirulina platensis* under heavy metal stress (Ni and Mo)

Association With Professional Bodies

- **Phytomorphology- Editorial Board**
https://ispm.co.in/editorial_board.html
- **Society for Plant Research-Member, Executive Committee**
<https://www.vegetosindia.org/#>
- **International Society for Life Sciences (ISLS) –Executive member**
<http://isls.org.in/>
- **Indian Botanical Society (IBS) – Fellow of Indian Botanical Society**
<https://www.indianbotsoc.org/>
- **Indian Science Congress Association (ISCA)-Life Member**
<https://www.sciencecongress.nic.in/>
- **International Forum for Botanists (IFB)-Secretary**
<http://isls.org.in/forums/1/>
- **Member in staff recruitment selection committee of various Central and State Universities**

Other Activities

- **Project reviewer for different agencies; DST-Rajasthan, DST-MP, DST-UP etc.**
- **Expert for evaluating KARYA projects of DST-Rajasthan for M.Sc. students fellowships**
- **Reviewer of various research journals**
- **Member of board of studies of various state universities.**
- **Organized 2 international and 4 national conferences.**
- **Books Published: 3**

Invited Lectures/Conference Organization/Presentations

Invited Lectures

- Key note lectures and invited talks in international and national conferences: 15

Paper Presentations

- Lectures and invited talks on National Education Policy 2020 - 16
- Abstract/papers presented in conferences: 25

Participation

- Participated in Workshops: 05

Research Projects (Major Grants/Research Collaboration)

Projects completed:

Grant agency	Title of the Project and reference number	Duration (from mm/yy to mm/yy)	Percentage of time devoted/being devoted/to be devoted, in man months	Amount in lakh Rs.
PI: Dr. Gajendra Pal Singh University Grant Commission (UGC)	To develop nutritionally superior strain of algae after induction of heavy metals	July 2012 – June 2015	40-50%	10,55,800
PI: Dr. Gajendra Pal Singh University Grant Commission (UGC)	Impact of physical mutagens on biopigments of fresh water algae.	Two year (2006-2008)	40-50%	55,000.00

Publications Profile

1. **G. P. Singh** and P. Srivastava **1990** “*Micractinium Pusillum*” (FRESENTIUS) A New Record from Rajasthan. *J. Phytol. Res.* Vol. 3 No. 1 & 2.
2. **G. P. Singh** and P. Srivastava **1990** Growth Evaluation of *Ankistrodesms fusiformis* in various inorganic media. *Vegetos* 3(2): 212-217.
3. **G. P. Singh** and P. Srivastava **1991** Impact of varied culture conditions on growth & morphology of *Ankistrodesmus fusiformis*. *J. Ind. Bot. Soci.* Vol. 71: 341-345.
4. **G. P. Singh** and P. Srivastava **1998** Biochemical analysis of *Ankistrodesmus furiformis* (corda) exposed to ultraviolet rays at 1 meter distance. *Indian Journal of Environmental Sciences*, 2(1): 11-16.
5. **G. P. Singh** and P. Srivastava **1998** Electric field – A novel source for enhanced biomass & protein production in microalgae. *J. Indian Bot. Soci.* 77: 121-124.
6. Subhasini Sharma, K. K. Bhardwaj, P. Saxena, S Sharma, **G. P. Singh**, K. P. Sharma **2001** Preliminary observations on the effects of selected detergents on fish & algal populations. *Detergents and the environment*. 152-162.

7. Manoj Kumar, Sapna Rawat and **G. P. Singh (2008)**. Impact of different culture conditions on growth and pigment contents of *Spirulina platensis* (Jal-mahal isolate) *J. Indian Bot. Soci.* 87(3&4): 267-271.
8. Sapna Rawat and **G. P. Singh (2008)**. Impact of UV radiation on growth and pigments of *Spirulina platensis*. *Indian Hydrobiology*, 11(1):189-198.
9. **G. P. Singh** and Rakesh Roshan Sharma **(2009)**. Dominating Species of *Lactobacilli* and *Leuconostocs* Present Among The Lactic Acid Bacteria of Milk of Different Cattles. *Asian J. Exp. Sci.*, 23 (1): 173-179.
10. Sapna Rawat and **G. P. Singh (2009)**. Effect of Electric field on Growth & biopigment of the Cyanobacterium *Spirulina Platensis*. *Research Journal of Biotechnology*. 4(2): 57-60.
11. Poonam Sanger and **G. P. Singh (2009)**. Seasonal distribution of phytoplankton in Ramgarh Reservoir, Jaipur, Rajasthan. *Indian Journal of Environmental Science*. 13(2): 167-169.
12. Manoj kumar and **G. P. Singh (2009)**. Effect of Ethyl methane sulphonate on growth and pigments of *Spirulina platensis*. *Indian Hydrobiology*. 12(1): 39-47.
13. J.B. Khan, Manoj Kumar and **G. P. Singh (2009)**. Medicinal Plants of Nahargahr Wild-Life Sanctuary (NWS) traditionally used by the people in the vicinity of sanctuary. *J Phytol Res* 22(1): 99-102.
14. Ravish Verma and **G. P. Singh (2010)**. Algal Flora (Chlorophyceae) of Sikar District, Rajasthan, India. *Ind J Appl and Pure Biol.* 15(2).
15. Meenakshi Singh, Payal Lodha & **G.P.Singh (2010)**. Seasonal Diatom varieties with reference to the physic-chemical properties of water of mansagar Lake, Jaipur, Rajasthan. *Research Journal of Agricultural Sciences Vol 1 (4): 451-457*
16. Swapnal Sisodia, M Badruzzaman Siddiqui & **G.P.Singh (2010)**. Allelopathic exploitation of *Croton Bonplandianum* on various growth parameters of Garlic RJAS, Vol 1(3): 215-218.
17. Ravish Verma & **G.P.Singh (2010)**. Seasonal distribution of phytoplankton in ladia dam in sikar district of Rajasthan. *Research J. of Agri. Sciences Vol.1 (4):306-499*
18. Manoj Kumar, Jyoti Kulshreshtha & **G.P.Singh (2010)**. Effet of diethyl sulphate on morphology, growth and pigment accumulation of *Spirulina Platensis*. *Vegetos Vol.23(2):42-54*
19. J.B.Khan, Manoj Kumar & **G.P.Singh**. Use of microalgae and cyanobacteria as biofertilizers and soil conditioners. Book Organic farming for sustainable agriculture. Edi. By P.C.Trivedi (Pointer Publisher, Jaipur)
20. J.B.Khan and **G.P.Singh (2010)**. Ethno- medicinal Active plants for treating cold and cough in the vicinity of Nahargarh wild life sanctuary, Jaipur, India. *Our Nature vol 8: 225-230*
21. Manoj Kumar, Jyoti Kulshreshtha & **G.P.Singh (2011)**. Growth and pigment profile of *S.Platensis* isolated from Rajasthan, India. *Research J. of Agri. Sciences*. 2(1): 83-86
22. Rekha Sharma, **G.P.Singh** and Vijendra K. Sharma **(2011)**. Comparison of different media formulation on growth, Morphology and Chlorophyll content on green alga, *Chlorella Vulgaris*. *Int. J. of Pharma & Bioscience*. Vol 2 :509-516

23. Rakesh Roshan Sharma and **G.P.Singh (2011)**. Lactobacillus and leuconostoc of Cattle milk and their bacteriocinogenic potential. J. of Pure and Applied Microbiology.5 (1):179-184.
24. Rashmi pareek, **G.P.Singh** and Rajesh Singh (2011). Some fresh water diatom of galta kund, Jaipur, India. Journal of Soil Science and Environmental Management 2(4):110-116. ISSN 2141-2391
25. Manoj Kumar, Jyoti Kulshreshtha & **G.P.Singh (2011)** Growth & biopigments accumulation of cyanobacterium *S. Platensis* at different light intensities and temperature Brazilian J. of Microbiology 42:1128-1135
26. Meenakshi Singh, Payal Lodha, **G.P.Singh** & Rajesh Singh (2011). Studies on diatom diversity in response to Abiotic factors in mawatha lake of Jaipur, Rajasthan. Int. J. of Life Sciences & Pharma Res. Vol 1: 29-37.
27. Jyoti Kulshreshtha & G.P.Singh Book “ Biodiversity Management and conservation” title Microalgal Biodiversity and their Potential Biotechnological Applications page no.72-97 (2011)
28. J.B.Khan, M.M.Sheikh, B.L.Mehra, P.R.Meghwala, D.Solanki & **G.P.Singh**. Biodiversity of the thar deserts of Rajasthan and its conservation. Proceeding of the national Seminar on national resources management and environmental.
29. Rekha Sharma, **Gajendra Pal Singh** & Vijendra K Sharma (2011). Comparison of different media formulations on growth, morphology and chlorophyll content of green algae, *Chlorella vulgaris*. International Journal of Pharma and Bio Sciences Vol 2(2) B 509-516. ISSN No. 0975-6299
30. J.B.Khan & **G.P.Singh (2011)**. Nahargarh wildlife sanctuary (NWS): A place for extraordinary medicinal plant diversity. Hamdard Medicus, Quarterly J. of Science and Medicine Vol 54 (4):54-66.
31. Namita Sikarwar & **G.P.Singh. 2012** Toxicological response of the bluegreen alga *Oscillatoria Agardhii* to the heavy metals. Int. J. of Pharma & Bio science Vol 3 (4) B : 58-64
32. Shyam.S.Sharma, **Gajendra.P.Singh** & Vijendra.K.Sharma (2012) Seasonal Phytoplanktonic Diversity of Kalisil River in keladevi wildlife sanctuary. District Karanli, Rajasthan, India. Int. J. of Pharma & Bio science. Vol 3(3): B 890-899.
33. Rekha Sharma, **Gajendra Pal Singh** & Vijendra K Sharma (2012). Effect of culture conditions on growth and biochemical profile of *Chlorella vulgaris*. J. of plant pathology and Microbiology, vol (3) issue 5. ISSN: 2157 – 7471.
34. Jyoti Kulshreshtha, Manoj Kumar, **G. P. Singh (2012)**. Impact of different culture conditions on growth and biopigments of *Anacystis nidulance*. Indian journal of agriculture sciences 82(9): 794-9.
35. Gajendra Kumar, D., & Gajendra Pal, S. (2012). Growth and Protein Profiling by the Cyanobacterium *Anacystis nidulans* Strains at Different Temperature and Photoperiod. 1: 482. doi: 10.4172/scientificreports. 482 Page 2 of 5 Volume 1• Issue 10•
36. Gajendra kumar dautania and **Gajendra Pal Singh (2012)**. Role of light dark cycle and different temperatures in the regulation of growth and protein expression in *Oscillatoria agardhii*. International journal of pharma and bioscience, ISSN 0975-6299, 3(3): (B) 811-821.
37. Pareek, R. A. S. H. M. I., & Singh, G. P. (2012). Diatomological and physico-chemical study of Galta Kund, Jaipur, Rajasthan (India). International Journal of Pharma and Bio Sciences, 3(3), B967-B976.

38. Gajendra kumar dautania and **Gajendra Pal Singh (2012)**. Growth and protein profiling by the *Anacystis nidulance* at different temperture and photoperiod. Open acces scientific reports. <http://dx.doi.org/10.4172/scientificreports.482>
39. Ravish Verma, R. V., Singh, U. B., & Singh, G. P. (2012). Seasonal distribution of phytoplankton in Laddia Dam in Sikar Disrict of Rajasthan.
40. Manoj Kumar, Siddhartha Barun, **G.P.Singh**, S.C.Joshi & Gaurav sharma **(2013)**. Potential application of cyanobacteria in agriculture and pharmaceutical sector: A Review. SGVU. Int J Env. Sci. Technol Vol. 1 (1) : 77-82 June 2013. ISSN: 2321-1210.
41. Jyoti Kulshreshtha & **Gajendra Pal Singh (2013)**. Evaluation of various Inorganic media for growth & biopigment of *Dunaliella Salina*...**Int. J.Pharma Bio. Sci.** 4(2): (B) 1083-1089. ISSN: 0975-6299
42. **G.P.Singh** and Namita Sikarwar **(2014)**. An Experimental Study: Using plant fertilizer as a potent culture media for *Chlorella vulgaris*. **AJPCR**, vol 7 –pg 1-3. ISSN: 0974-2441.
43. Namita Sikarwar & **G.P.Singh (2014)** Different concentration of zinc tolerance in *Chlorella vulgaris* & their effect on growth & biopigment. **IJPPS**. vol. 6 (2), ISSN: 0975-1491.
44. Namita Sikarwar & **G.P.Singh (2014)** Different concentration of cobalt tolerance in *Chlorella vulgaris* & their effect on growth & biopigment. **WJPR** vol. 3(4), 543-550. ISSN: 2277-7105.
45. Sharma Ira, Mathur Manisha, **Singh G.P**, Rishi Anirudha, **(2014)**. Quantative estimation of phenolic and flavonoid content and antioxidant activity of various extracts of different parts of plumbago zeyianica linn. **Int.J Drug Dev & Res**, Vol.6, (2). 2014 pg 136-140, ISSN: 0975-9344.
46. Sharma Ira, Mathur Manisha, **Singh G.P (2015)**. Gas Chromatography-Mass spectrometry analysis and phytochemical screening of methanolic leaf extract of plumbago zeylanila linn....**Int. J.Pharma Bio. Sci.** 315-320. ISSN: 0976-044X
47. Ravindra Kumar Saini and **Gajendra Pal Singh (2015)**. Impact of cobalt chloride on growth and biopigments of Chlorella Vulgaris. **Environment Conservation Journal**. 2015; 16(3):67-71. ISSN 0972-3099 (Print) 2278-5124 (Online).
48. Chanchal Lata and **Gajendra Pal Singh (2016)**. Effect of different culture media on growth and biopigments of *Dunaliella salina* isolated from Sambhar salt lack. **Elixir Applied Botany** 97(2016) 42102-42105.
49. Priyanka Dhaka and **Gajendra Pal Singh (2016)**. Effect of salinity on growth and biopigment composition of *Dunaliella salina* (teod) isolated from Sambhar salt lack, Rajasthan, (India). **Int J Pharm Bio Sci** 2016. 7(1): (B) 528-533. ISSN 0975-6299.
50. Amrit Daiya and **Gajendra Pal Singh (2017)**. Effect of Copper Stress on Biochemical Profiling in *Dunaliella salina* (TEOD.) and *Spirulina platensis* (GOMO.). **Int J Pharm Bio Sci** DOI: <http://dx.doi.org/10.22376/ijpbs.2017.8.1.p235-244>. ISSN 0975-6299.
51. **Gajendra Pal Singh** and Manoj Kumar **(2017)**. Determination of Chlorophyceae members Abundance in Rawatsar pond of Hanumangarh District, Rajasthan state. **Int J Pharm Bio Sci** Volume 8(3):753-758. DOI: <http://dx.doi.org/10.22376/ijpbs.2017.8.3.b753-758>. ISSN 0975-6299
52. **Dr. G. P. Singh**, Ravindra Kumar Saini, Amrit Daiya **(2017)**. Effect of cobalt chloride on protein profiling in *Chlorella vulgaris*. **Int J Pharm Bio Sci** Volume 8 (3) 759-762, 2017, DOI: 10.22376/ijpbs.2017.8.3.b. 759-762. ISSN 0975-6299.

53. Manoj Kumar and **Gajendra Pal Singh (2017)**. Determination of the Freshwater Diatoms flora of Hanumangarh district, Rajasthan, India. **Indian J. Applied & Pure Bio.** Vol. 32(2), 227-238 (2017).
54. Dautania, G. K., & Singh, G. P. Alterations In Proteins And Amino Acids Of The Cyanobacterium *Anacystis Nidulans* In Response To Different Inorganic Formulations.
55. Priyanka Dhaka and **Gajendra Pal Singh (2018)**. Effect of pH on growth and biopigment accumulation of green alga *Dunaliella salina*. **Int J Pharm Sci Res** 2018; 9(1): 271-76.doi: 10.13040/IJPSR.0975-8232.9 (1).271-76. ISSN (Online): 0975-8232, ISSN (Print): 2320-5148.
56. Chanchal Lata and **Gajendra Pal Singh (2018)**. A comparative study on growth of *dunaliella salina* treated with ethyl methane sulfonate (EMS). SJLS, DOI: 10-21276/haya.2018.3.2.4.
57. Chanchal Lata and **Gajendra Pal Singh**, Effect of Ethidium Bromide as a Mutagen on biochemical parameters of *Dunaliella salina*. International Journal on Creative Research Thoughts(IJCRT)(2018). Vol 6, Issue 2 April 2018. ISSN : 2320-2882
58. P.D. Rawal, **G.P. Singh** and Shikha Gupta*, Biofuels from Microalgae with Special Reference to *Dunaliella*; A Review Indian Journal of Natural Sciences Vol 12/Issue 69/ Dec. 2021, ISSN- 0976-09907
59. Kumar, M., Daiya, A., Singh, **G. P.**, & Jasuja, N. D. (2019). Reporting the Fresh Water Euglenoides from Hanumangarh District of Rajasthan (India). *Advanced Science, Engineering and Medicine*, 11(1-2), 83-87.
60. Jai Singh, Amit Kotiya, **G.P. Singh**, Reidentify of *Epipactis veratrifolia* Bioss. & Hohen. (Orchidaceae) from Rajasthan: a Rare sighting Ambient Science, 2020, Vo107(2); 37-38, DOI- 10-21276/ambi.2020.07.2.nnol
61. Amit Kotiya, Jai Singh, Jeewan Singh Jalal, **G.P. Singh**, G.V. Reddy, *Peristylus lawii* (orchidaceae): A new record for Rajasthan state, India .International Journal of Botany Studies, Volume 5;Issue 4; Page No. 147-149, 2020
62. Jai Singh, Shikha Gupta, Vinay Kumar, Amit Kotiya, **G.P.Singh**, *Harbenaria gibsonii* var. *foetida* Blatt & McCann (Orchidaceae) : New Distribution Recorded from Sitamata Wildlife Sanctuary, Rajasthan, India Prasanjit Mukharjee Biospectra: ISSN: 0973 – 7057, Vol. 17(1), March 2022, p.p. 5-8
63. **Gajendra Pal Singh** and Amrit Dahiya. Effect of Zinc Stress on biochemical profiling in *Dunaliella salina* teod. And *Spirulina platensis* IntJ Pharm. Sci Res 2018 Vol 8 ISSN 2250-0480
64. Chanchal Lata and **Gajendra Pal Singh** ,A comparative study on biochemical characterization of *Dunaliella Salina* treated with ethyl methane sulfonate. **(2018)**. JETIR, Vol 5, Issue 7, ISSN: 2349-5162
65. Ameesh Dev Singh and **Gajendra Pal Singh**, Molybdenum stress and its effect on growth and biopigment profile of Blue Green Alga *Oscillatoria agardhii*. **(2019)**. Int J Sci & Tech Res., Vol 8, Issue 7, ISSN: 2277-8616
66. Ameesh Dev Singh and **Gajendra Pal Singh**, Bio pigments and Rubisco expression under heavy metal stress in *Spirulina platensis*. (2020). Eco. Env. & COns. 26, ISSN: 0971-765X.
67. Sharma, Y., Singh, A. D., Mehariya, S., Karthikeyan, O. P., Singh, **G. P.**, **Singh**, C. P., & Molino, A. Genetic engineering in improving the output of algal biorefinery (2022). In *Algal Biorefineries and the Circular Bioeconomy* (pp. 1-60). CRC Press.

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69. Solanki, N., Chouhan, G., Soni, P., Shekhawat, G. S., Singh, **G. P.**, & Parihar, S. Evaluation of Nutrient Dependent Growth of *Spirulina platensis* for Pigment-proteins Production. (2023) *Indian Journal of Agricultural Research*, 57(4).
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73. Gupta, A., Sharma, S. K., Mishra, A., Singh, **G. P.**, & Singh, C. P. Effect of mine-derived pollution on photosynthetic pigments of plants in Rajasthan. (2024). *Vegetos*, 1-10.
74. Dotaniya, P., Sharma, R., Singh, G. P., & Gupta, S. Effect of UV-C Irradiation on Growth, Photosynthetic Pigments, and Lipid Profile of *Chlorella sorokiniana* (2024). *Applied Biochemistry and Biotechnology*. 197(2):1131-1151
75. Gupta, A., Mishra, A., Singh, **G. P.**, & Singh, C. P. Assessing the impact of air pollution on the biochemical profiles of selected plant species grown in Gujarat, India (2025). *Environmental Monitoring and Assessment* 197(7).
76. Rawal P D, **Singh, G. P.**, Effect of chromium oxide (Cr₂O₃) nanoparticles on photosynthetic pigments in *D. salina*. *International Journal of Botany Studies*. Volume 10, Issue 5, 2025, Page No. 41-46. ISSN: 2455-541X
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