




## Shivaji College Faculty Details Proforma

Title	Dr	First Name	Vijay	Last Name	Kumar	Photograph
Designation		Professor				
Address		Shivaji College (University of Delhi) Ring Road, Raja Garden New Delhi - 110027				
Office Phone No.		025116644				
Residence		B-3/100, Ashok Vihar, Phase II, Delhi – 110052				
Mobile		09811719499				
Email		vijaycemde@yahoo.co.in				
Web-Page						
Educational Qualifications		M.Phil, Ph.D				
Degree		University/Institute			Year	
Ph.D.		University of Delhi			2004	
M.Phil./M.Tech.		University of Delhi			1996	
PG		Meerut University			1993	

<b>UG</b>	<b>Meerut University</b>	<b>1991</b>
<b>Any Other Qualification</b>	<b>Qualified Joint CSIR-UGC, National Eligibility Test in Life Sciences</b>	

### Career Profile

- I did my M.Phil desertation on *“Ecological Analysis of the Distribution of Shrubs on Kamala Nehru Ridge, Delhi”* under the supervision of Prof. K.M.M. Dakshini.
- My topic for Ph.D. thesis was *“Studies on Biology and Ecology of Some Wild Grasses and Associated Mycorrhizas, and Their Application in Ecosystem Development on Flyash Mound”* under the supervision of Prof. C.R. Babu.
- I also worked as Research Associate in a project entitled *“Biosystematic Studies on Selected Tree Species that Yield Non Timber Forest Products of Industrial Use”* funded by Department of Biotechnology, Govt. of India.

### TEACHING EXPERIENCE: More than 18 Years in Shivaji College (University of Delhi)

**Assistant Professor: 10.06.2005 to 26.08.2016**

**Associate Professor: 27.08.2016 to 01.12.2022**

**Professor : 02.12.2022 onwards**

### INVOLVEMENT IN RESEARCH PROJECTS:

- Management of Fly ash Mound Surface Stabilization and Environmental Protection through Bio-technologies” Phase I
- Development of Site Specific Restoration Technologies for Highly Degraded Ecosystems and Monitoring of Ecosystems Redevelopment Of already Rehabilitated Land
- Management of Fly ash Mound Surface Stabilization and Environmental Protection through Bio-technologies Phase II
- Rehabilitation of Bhatti Mines
- Biosystematic Studies on Selected Tree Species that Yield Non Timber Forest Products of Industrial Use

### TECHNICAL REPORTS:

- Actively involved in the preparation of Technical Reports of the project entitled

*“Management of Flyash Mound Surface Stabilization And Environmental Protection Through Bio-technologies”* funded by National Thermal Power Corporation’s National Capital Power Station, Dadri, India.

- Actively involved in the preparation of Technical Reports of the project entitled *“Development of Site Specific Restoration Technologies for Highly Degraded Ecosystems and Monitoring of Ecosystems Redevelopment Of already Rehabilitated Land”* funded by Department of Biotechnology, Govt. of India.
- Actively involved in the preparation of Technical Reports of the project entitled *“Rehabilitation of Bhatti Mines”* funded by Govt. of NCT Delhi.
- Actively involved in the preparation of Technical Reports of the project entitled *“Biosystematic Studies on Selected Tree Species that Yield Non Timber Forest Products of Industrial Use”* funded by Department of Biotechnology, Govt. of India.

#### Administrative Assignments

- **Member** of Committee of Courses and Studies for Hons, Post -graduate and Research Studies in Botany, Delhi University for year 2017-2019
- Convenor, Eco Club during June 2005 - April 2013; 2015 - 2017; 2018 – 2020; 2023-2025
- **Member** Governing Body Shivaji College for Year 2012-2013
- **Member** Board Govt. of NCT of Delhi
- **Teacher In- charge** Department of Life Sciences for 2021-2022
- **Teacher In- charge** Department of Environmental Studies for 2021-2022
- **Teacher In- charge** Department of Botany for 2008-2009, 2015-2016, 2022-2023
- **Convenor, Admission Committee** for BSc (P) during 2013-2014; 2021-2022
- **Convenor, Admission Committee** for BSc (H) Botany during 2006-2007; 2008-2009; 2015-2016; 2022-2023
- NSS Programme Officer during June 2005 – June 2009
- Deputy Superintendent, Examination Group B for 2005-2006
- Deputy Superintendent, Entrance Examination for BBE Admission for 2006-2007
- Election Officer, College Students’ Union Elections for 2006-2007

### Member of Staff Council Committee:

- Nodal Officer, Bio-composting and Vermicomposting Units for 2021-2023; 2023-2025
- Member, Audit Committee (Green, Environment & Energy) 2022-2024
- Member, Entrepreneurship Development Cell and Incubation Centre for 2023-2025
- Member, Staff Council Development Committee for 2021-2023
- Member, Women Development Cell for 2019-2021
- Member, Staff Council Internal Assessment Committee for 2016-2018
- Member, Staff Council Library Committee for 2009-2011; 2014-2016; 2018-2020
- Member, Staff Council Discipline Committee for 2009-2011; 2011-2013
- Member, Staff Council Students' Advisory Committee for 2007-2009; 2011-2013
- Member, Staff Council Purchase Committee for 2007-2009; 2023-2025
- Member, Staff Council Garden Committee for 2005-2007; 2014-2014; 2017-2018; 2021-2023
- Member, Staff Council Sports Committee for 2005-2007

### Areas of Interest/Specialisation

Restoration Ecology and Bioremediation, Restoration of Degraded Ecosystems, Wetland Management, Development of Vegetation Filter Strips to Control Air Pollution, Urban Ecology, Plant Biotechnology

### Subjects Taught

#### Papers taught for various courses time to time

- Plant Ecology and Environment Management; Plant Ecology; Ecology
- Environmental Management; Environmental Science
- Economic Botany and Crop Improvement; Plant Resources Utilization; Economic Botany; Plant Resource and Economic Botany
- Plant Systematics and Evolution; Plant Systematics
- Plant Metabolism & Biochemistry; Plant Metabolism
- Plant Biotechnology
- Analytical Techniques in Plant Sciences

- Biofertilizers

#### Innovation Project/Research Projects (Major Grants/Research Collaboration)

- *Completed Project:* Innovation Project SHC-307 titled Amelioration of air quality in urban ecosystem of Delhi: role of avenue trees and use of birds as biomonitors sanctioned by University of Delhi amounting to Rs. 5,00,000/-.
- *Sanctioned Project:* Studies on Mercury Contamination of Surface and Ground Waters in and around Delhi and its Bioremediation sanctioned by University Grant Commission as MRP (ROMRP- NRCB-ENVI-2015-2016-38705) amounting to Rs. 4,25,000/-.

#### Publications Profile (Research Papers/Books)

1. **Kumar, V.,** Jolli, V., & Babu, C.R. (2019). Avenue Plantations in Delhi and Their Efficacy in Mitigating Air Pollution. *Arboricultural Journal*, 41(1), 35-47. (IF 1.09). <https://www.tandfonline.com/doi/full/10.1080/03071375.2019.1562800>
2. Pragya, Sharma, K. K., Kumar, A., Singh, D., **Kumar, V.,** & Singh, B. (2021). Immobilized phytases: an overview of different strategies, support material, and their applications in improving food and feed nutrition. *Critical Reviews in Food Science and Nutrition*, 1-23. (IF 11.25) <https://doi.org/10.1080/10408398.2021.2020719>
3. **V. Kumar,** V. Jolli, C. R. Babu (2022). Landuse Patterns, Air Quality and Bird Diversity in Urban Landscapes of Delhi. *Zoodyversity*, 56(1): 39–50 (IF 0.52) <https://doi.org/10.15407/zoo2022.01.039>
4. **Kumar V** and Babu CR (2022) Phenotypic Responses of Some Functional Traits in Four Native Perennial Grass Species Grown on Fly Ash Dump and Native Soil. *Front. Plant Sci.* 13:805568. (IF 6.75) <https://doi.org/10.3389/fpls.2022.805568>
5. Pandey, D. K., **Kumar, V.,** & Chaudhary, B. (2022). Concomitant Expression Evolution of Cell Wall Cytoskeletal Geneic Triad (s) Controls Floral Organ Shape and Fiber Emergence in Cotton (Gossypium). *Frontiers in plant science*, 13, 900521. (IF 6.75)

- <https://doi.org/10.3389/fpls.2022.900521>
6. Singh, D., Dhiman, S. K., **Kumar, V.**, Babu, R., Shree, K., Priyadarshani, A., & Saluja, S. (2022). Crop Residue (2022) Crop Residue Burning and Its Relationship between Health, Agriculture Value Addition, and Regional Finance. *Atmosphere*, 13(9), 1405. (IF 3.11)  
<https://doi.org/10.3390/atmos13091405>
  7. Khuman, A., **Kumar, V.**, & Chaudhary, B. (2022). Evolutionary expansion and expression dynamics of cytokinin-catabolizing CKX gene family in the modern amphidiploid mustard (Brassica sp.). *3 Biotech*, 12 (9), 1-24.(IF 2.96)  
<https://doi.org/10.1007/s13205-022-03294-0>
  8. B. Chaudhary, **V. Kumar** (2022). Emerging Technological Frameworks for the Sustainable Agriculture and Environmental Management. *Sustainable Horizons* (3) 100026, ISSN 2772-7378. (IF ) <https://doi.org/10.1016/j.horiz.2022.100026>
  9. Aggarwal, A., Arora, S., Khuman, A., Singh, K., **Kumar, V.**, & Chaudhary, B. (2022). Comparative evolutionary dynamics of the 5'cis-regulatory elements (CREs) of miR167 genes in diploid and allopolyploid cotton species. *Plant Gene*, 32, 100380.(IF )  
<https://doi.org/10.1016/j.plgene.2022.100380>
  10. Ramlal A, Nautiyal A, Baweja P, Kumar Mahto R, Mehta S, Pujari Mallikarunja B, Vijayan R, Saluja S, **Kumar V**, Kumar Dhiman S, Lal SK, Raju D and Rajendran A (2022) Harnessing heterosis and male sterility in soybean [Glycine max (L.) Merrill]: A critical revisit. *Front. Plant Sci.* 13:981768. (IF 6.75)  
<https://doi.org/10.3389/fpls.2022.981768>
  11. Singh, K., Arora, S., Khuman, A., Aggarwal, A., **Kumar, V.**, & Chaudhary, B. (2022). Comparative phylogenomic analysis of 5'cis-regulatory elements (CREs) of miR160 gene family in diploid and allopolyploid cotton (Gossypium) species. *Gene Reports*, 101721. (IF ) <https://doi.org/10.1016/j.genrep.2022.101721>
  12. **Kumar, V.**, Gupta, S. & Jolli, V. (2022). Influence of Vehicular Frequency on Air Quality of Delhi, India. *Ecological Chemistry and Engineering S*, 29 (4) 477-485. (IF 1.66)  
<https://doi.org/10.2478/eces-2022-0034>
  13. Pragya, P., Sharma, K. K., Kumar, S., Manisha, M., Singh, D., **Kumar, V.**, & Singh, B.

(2022). Enhanced production and immobilization of phytase from *Aspergillus oryzae*: a safe and ideal food supplement for improving nutrition. *Letters in Applied Microbiology*, 76, 2, February 2023,ovac077, (IF 2.81) <https://doi.org/10.1093/lambio/ovac077>

14. Anu, Alokika, R.C. Kuhad, Alexander Rapoport, Vinod Kumar, Davender Singh, **Vijay Kumar**, Santosh Kumar Tiwari, Shruti Ahlawat & Bijender Singh (2023) Biological pretreatment of lignocellulosic biomass: An environment-benign and sustainable approach for conversion of solid waste into value-added products, *Critical Reviews in Environmental Science and Technology*, (IF 12.60) <https://doi.org/10.1080/10643389.2023.2277670>

#### Edited Books:

- ❖ Editor of Abstract Book of National Seminar on Water and Air Quality in Urban Ecosystem organized by Eco Club, Shivaji College on 22 March 2016 (ISBN: 978-93-5267-174-8).
- ❖ Editor of Proceedings of National Seminar on Water and Air Quality in Urban Ecosystem organized by Eco Club, Shivaji College on 22 March 2016 (ISBN: 978-93-5267-493-0)

#### e-Contents:

- Associated with ILLL in preparing E-content particularly preparing question banks for LS 303 and ES111
- Kumar V (2015) *Fibre Cotton*. Institute of Life Long Learning, University of Delhi (ISSN:2349-154X).
- Kumar V (2015) *Fibre Jute*. Institute of Life Long Learning, University of Delhi (ISSN:2349-154X).
- Kumar V (2015) *Masticatories and Fumitories*. Institute of Life Long Learning, University of Delhi (ISSN:2349-154X).

### Conference/Seminar/Faculty Development Programme/Workshop

#### Conference/ Seminar

- First WDC International Conference on Empowerment of Women in Developing World Organized by Shivaji college, University of Delhi from April 01 - 02, 2013
- Science, Spirituality and Humanity: Transcending Discipline Barriers Organized by Shivaji college, University of Delhi from February 17- 19, 2011
- International Conference on Recent trends in Developing Bioremediation Strategies for Hexachlorocyclohexane (HCH) & Other Chlorinated Contaminants Organized by University of Delhi from February 9 - 11, 2011
- National Symposia Molecular Cell Biology Organized by Shivaji college, University of Delhi from November 24 - 25, 2009
- National symposium Science of Life: The New Horizon organized by Miranda House, University of Delhi from 21th - 23rd November 2007
- Symposium on Molecular Biology Current Innovations and Future trends Organized by Shivaji college, University of Delhi from October 26- 27, 2007
- Attended 3<sup>rd</sup> International Conference on “*Fly Ash Utilization and Disposal*” held on 19-21 February, 2003 at New Delhi.

#### Refresher Course/ Workshop

- **3- week Refresher Course in Contemporary Issues of the World** Organized by CPDHE, Delhi University from November 27, 2018 to December 17, 2018
- **Workshop on Spiritual values and Ethics** Organized by UGC-HRDC at CPDHE, University of Delhi from March 01 to March 03, 2017
- **Workshop** on Environmental Pollution and Health in Urban Ecosystem, Department of Botany and Zoology, Shivaji College and Departmental of Environmental Studies, University of Delhi on June 23, 2016
- **3- week Refresher Course in Life Sciences** Organized by ASC, Jawaharlal Nehru University from January 13 to February 13, 2014
- **3- week Refresher Course in Environmental Studies** Organized by CPDHE, Delhi University from January 6 to January 31, 2013
- Participated in National Workshop on Ethnobotany organized by Department of Botany, Hansraj College and Institute of Life Long Learning, University of Delhi on 16-17 September, 2016.



<ul style="list-style-type: none"> <li>▪ <b>Workshop</b> on Geometrics and Morphometrics organized by CEMDE, University of Delhi 20 to 30 March 2012</li> <li>▪ Bioinformatics Workshop for Life Sciences Faculty organized by Bioinformatics Centre, Sri Venkateswara College from 27th to 30th July 2011</li> <li>▪ National Workshop Evolutionary Perspectives in Modern Biological Teaching and Research organized by ILL, CSEC and ANDC, University of Delhi, from May 9 to 10, 2011</li> <li>▪ <b>Workshop</b> on Taxonomy, Ecology and Conservation organized by CEMDE, University of Delhi from December 29 to January 7, 2010</li> <li>▪ Participated in Workshop on “Biology Laboratory Course (Course Code : LS 306)” from October 21 – 24, 2008 at A.N.D. College organized by Institute of Life Long Learning and A.N.D College, University of Delhi, Delhi</li> <li>▪ Participated in Workshop on “Biology Laboratory Course (Course Code :BY 106)” from September 2 – 4, 2008 at D.R. College organized by Institute of Life Long Learning and Daulat Ram College, University of Delhi, Delhi</li> <li>▪ <b>Participated in a 4 – week Orientation Course</b> from December 28, 2006 to January 24, 2007 organised by CPDHE, University of Delhi.</li> </ul>
<b>Research Guidance (<i>Supervision of Doctoral Thesis/Dissertations</i>)</b>
<ul style="list-style-type: none"> <li>❖ Anirudh Sehrawat, <b>MSc (Natural Resources)</b> from GGSIP University was supervised for <b>Summer Training Program (MSc Dissertation) on</b> “Analysis of Ecosystem Functioning of Sanjay Van Lake and its associated area”</li> <li>❖ Vinay, <b>MSc (Natural Resources)</b> from GGSIP University was supervised for <b>Summer Training Program (MSc Dissertation) on</b> Review on Efficiency of Constructed Wetland System for Urban Cities to tackle Water Scarcity</li> </ul>
<b>Awards and Distinctions</b>
<b>Qualified Joint CSIR-UGC National Eligibility Test in Life Sciences</b>
<b>Memberships</b>
<ul style="list-style-type: none"> <li>○ Indian Science Congress Association (Life Member)</li> <li>○ The International Society of Plant Morphologists (Life Member)</li> <li>○ Association of Teachers in Biological Sciences (Life Member)</li> <li>○ Society for Ecological Research and Natural Resources Management (Life Member)</li> </ul>

## Other Academic Activities

### Conference/ Symposia/Workshop/Webinar Organized

1. **Convener, Workshop on** Applications of Biofertilizers in Relation to Integrated Nutrient Management and Sustainable Agriculture organized by Department of Botany, Shivaji College (University of Delhi) in collaboration with Division of Microbiology, IARI on December 8, 2022.
2. **Convener**, Inauguration of **Lecture Series 2022** organized by Department of Botany, Shivaji College (University of Delhi) on September 29, 2022.
3. **Convener**, National Webinar “**Aspire to achieve**” – interaction with eminent alumni; IPS Mr Harish Dayama organized by Department of Life Sciences, Shivaji College (University of Delhi) on December 29, 2021.
4. **Convenor**, National Webinar on "**Legume diversity in India**" on June 30, 2020 organized by Society for Ecological Research and Natural Resources Management (SERNRM) on June 30, 2020.
5. **Convenor**, National Webinar on "**Biodiversity and Man**" organized by Society for Ecological Research and Natural Resources Management (SERNRM) and Dyal Singh College, University of Delhi on June 5, 2020.
6. **Convenor**, National Webinar on "**Biodiversity and Public Health**" organized by Ecoclub, Shivaji College and Society for Ecological Research and Natural Resources Management (SERNRM) on May 19, 2020.
7. **Convener**, International Seminar on Science, Environment and Sprituality organized by Eco Club, Shivaji College on 13 September, 2019.
8. **Convener**, National Seminar on Water and Air Quality in Urban Ecosystem organized by Eco Club, Shivaji College on 22 March 2016.
9. **Co-convener**, Workshop for Laboratory Assistants/Attendants in Chemical and Life Sciences Organized by Shivaji College, University of Delhi on July 16, 2014.
10. **Member**, Organizing Committee for National Symposium on Frontiers and Avenues in Plant sciences organized by Department of Botany, Shivaji college, University of Delhi, from 20th to 21st January, 2011

### Resource Persons:

1. C.R.Babu, **Vijay Kumar**, Shvetank Sharma and Kallimulah paper presented on Technologies for Mitigation of Environmental Hazards of Flyash In the three day National seminar on “Integrated Approach to Development for Conserving Environment” organized by National Capital Region Head Quarter and Corporate Environment Management from 23<sup>rd</sup> to 25<sup>th</sup> June, 1999
2. C.R.Babu, Suruchi Rani Kipgen, Subhashree Subramaniam, Radhey Shyam Sharma, Arindam Bhattacharya, David. M. Kothamasi Rajiv Janardhanan and **Vijay Kumar** paper presented on **Restoration Technologies in Sustainable Development** In the International workshop on “Biotechnology for Environmental Protection and Sustainable Development” organized by MoEF and DBT, Govt of India and DoE, Govt of Canada from 5<sup>th</sup> to 6<sup>th</sup> February, 2003 at New Delhi
3. Vijay Kumar (2007) Paper presented on “**Bioremediation of Metal Contaminated Sites**” in 4 – week Orientation Programme from December 28, 2006 – January 24, 2007 at CPDHE, University of Delhi
4. Kumar V (2011) **Paper presentation** on Science, Environment and Spirituality at International Conference on Science, Spirituality and Humanity: Transcending Discipline Barriers organized by Shivaji College (University of Delhi) from February 17 to 19, 2011
5. Babu, C.R., Vivek Chaudhary and Kumar V (2015) Tropical Grassland Ecosystem and Climate Change. **Keynote address** for the Proceedings of the 23rd International Grassland Congress 2015, New Delhi: November 20-24, 2015.
6. **Poster Presentation** on “Can we use birds as an ecological indicator of sustainable cities?” presented on National Seminar on Water and Air Quality in Urban Ecosystem organized by Eco Club, Shivaji College on 22 March 2016.
7. **Kumar V** and Jolli V. A paper on “Agroforestry: A Step Towards Sustainable Rural Development” presented in a National Conference on Accelerating Rural Growth: New Technology, Innovation and Entrepreneurship organized by Shri AatmVallabh Jain Girls (PG) College, Kota and held on September 2-3, 2016.
8. Kumar V (2016) **Paper presentation** on Sharing Science, Rising Together in a one day Workshop on Sharing Science, Rising Together for Faculty of Sciences organized by

Department of Botany, Shivaji College (University of Delhi) on October 1, 2016

9. Babu, C.R., Vivek Chaudhary and **Kumar V** Paper presented on "Green Highways: Problems and Prospects" in National Convention on Innovations in Green Highways organized by National Green Highways Mission and held on November 7-9, 2016.
10. On TLC at INSPIRE SCIENCE CAMP 2016, Department of Science & Technology (DST), Govt. of India held at Shivaji College (University of Delhi) from December 14 to 18, 2016.
11. Babu, C.R. and **Kumar, V** Paper presented on "Vegetation Filter Strips - A Long-term Technological option in the Management of Air Pollution" in Workshop on Technologies for monitoring and abatement of air pollution, organized by MOEF & CC on 13<sup>th</sup> February' 2018 at Ganga Auditorium, New Delhi.
12. Babu, C.R. and **Kumar, V** Paper presented on "An Integrated, Multidisciplinary and Multi institutional approach for the Management of Air Pollution in Delhi" in Networking Workshop with Academic and R&D Institutions, organized by MOEF & CC on 16<sup>th</sup> February' 2018 at Teesta Conference Hall, New Delhi.
13. On TLC at INSPIRE SCIENCE CAMP 2018, Department of Science & Technology (DST), Govt. of India held at Shivaji College (University of Delhi) from July 16 to 20, 2018.
14. **Resource Person** for **Laboratory Skill Training Programme** organized by Shivaji College under the aegis of DBT Star College Scheme from May 20 to May 24, 2019.
15. **Resource Person** for **Summer Training Programme on Microscopy and Herbarium Techniques** organized by Department of Botany under Aegis of DBT Star College Scheme from June 21 to July 19, 2019.
16. **Resource Person** for **Inter College Laboratory Skill Training Programme 2019** organized by Shivaji College under the aegis of DBT Star College Scheme from November 27 to December 3, 2019.
17. **Resource Person** for Green Skill Development Programme (GSDP) **Course on "Valuation of Ecosystem Services and Green GDP"** supported by MoEF & CC and spoke on the topic '**Importance of Greenbelt development/ Urban Gardening**' on February 4, 2020 at Gandhi Peace Foundation.
18. **Resource Person** for Green Skill Development Programme (GSDP) **Course on "Green**

- Belt Development for Industries"** supported by MoEF & CC and spoke on **‘Concept of Green belt for containment of air pollution in Industrial and Urban environment’** on March 2, 2020 at Gandhi Peace Foundation
19. **Resource Person for Summer Training Internship on "Tools and Techniques in Plant Sciences: Morphology to Metabolome"** organized by Department of Botany, Shivaji College under the Aegis of DBT Star College Scheme from July 6 to July 31, 2020.
  20. **Resource Person for Inter College Laboratory Skill Training Programme 2019** organized by Shivaji College under the aegis of DBT Star College Scheme from February 8 to February 12, 2021.
  21. **Resource Person for Summer Training Internship on "Tools and Techniques in Plant Sciences: Morphology to Metabolome"** organized by Department of Botany, Shivaji College under the Aegis of DBT Star College Scheme from June 21 to July 19, 2021.
  22. **Resource Person for Inter College Laboratory Training Programme for Assistants/Attendants in the Chemical and Life Science Laboratories** organized by Shivaji College under the aegis of DBT Star College Scheme from September 14 - 20, 2021.
  23. **Resource Person for Green Skill Development Programme (GSDP) Course on "Valuation of Ecosystem Services and Green GDP"** supported by MoEF & CC and spoke on the topic **‘Importance of Greenbelt Development and Urban Planting’** on March 15, 2022 at Gandhi Peace Foundation.
  24. **Resource Person for Green Skill Development Programme (GSDP) Course on "Green Belt Development for Industries"** supported by MoEF & CC and spoke on the topic **‘Concept of Greenbelt (GB) for Containment of Air Pollution in Industrial and Urban Environment’** on March 31, 2022 at Gandhi Peace Foundation.
  25. **Resource Person on June 29, 2022** for **“Summer Training Programme on "Innovative Natural Resource Management Technologies for Youth"** organized by Department of Botany, Shivaji College under the Aegis of DBT Star College Scheme from June 20 to July 18, 2022
  26. **Resource Person on June 12, 2023** for **“Summer Training Programme on Conservation and Utilization of Medicinal Plants"** organized by Department of Botany, Shivaji College under the Aegis of DBT Star College Scheme from June 12 to June 20, 2023

## Cultural/Extracurricular Activities

### Convened Various Activities time to time through Eco-club:

- Visit to Yamuna Biodiversity Park (YBP) on June 05, 2022
- Virtual Visit to Yamuna Biodiversity Park (YBP) on April 22, 2021
- Eco-club's e-Annual Fest on April 12- 22, 2021
- Visit to Sultanpur National Park, Gurugram on March 6, 2020
- Participation in **plantation drive** at Tuglaqabad Biodiversity Park (TBP) on September 29, 2019.
- Eco-club's Annual Fest on March 29, 2019
- Visit to Yamuna Biodiversity Park (YBP) on Feb 2, 2019
- Activities for Green Deepawali on Nov 1, 2018
- Visit to Botanical Garden of Indian Republic (BGIR) on Nov 11, 2016
- Organized Lecture on 'Climate Change and India' on Nov 4, 2016
- Visit to Yamuna Biodiversity Park (YBP) on Feb 2, 2016
- Activities on "Pledge to Protect and Plant a Tree" Program on Sept 7, 2015
- Visit to Yamuna Biodiversity Park (YBP) on March 21, 2015
- Visit to Yamuna Biodiversity Park (YBP) on March 21, 2013
- Activities on "Pledge to Protect and Plant a Tree" Program on Sept 5, 2012
- Visit to Aravalli Biodiversity Park (ABP) on March 1, 2012
- Visit to Yamuna Biodiversity Park (YBP) on Feb 2, 2012
- Visit to Yamuna Biodiversity Park (YBP) on March 5, 2011
- Activities on "International Ozone Day" on September 15, 2011
- Visit to Yamuna Biodiversity Park (YBP) on Feb 2, 2008
- Visit to Yamuna Biodiversity Park (YBP) on Feb 2, 2007
- Visit to Yamuna Biodiversity Park (YBP) on Feb 2, 2006

### Convened Various Activities time to time through Botany Department:

- Organized Annual Fest: Fragrance in 2023
- Visit to Yamuna Biodiversity Park (YBP) on June 5, 2022
- Organized Annual Fest, Dept. of Life Sciences: Aranyam in March 22, 2022
- Visit to Indian Agricultural Research Institute (IARI) on December 4, 2021
- Visit to Indian Agricultural Research Institute (IARI) on Sept 29, 2018

- Visit to Indian Agricultural Research Institute (IARI) on Sept 29, 2017
- Organized Annual Fest: Fragrance in 2015
- Visit to National Bureau of Plant Genetic Resources (NBPGR) on March 16, 2011
- Organized Annual Fest: Fragrance in 2009



**Prof. (Dr) Vijay Kumar**  
**Signature of Faculty Member**