** Faculty Detail Performa (2017-21) **

 **Name of Faculty**

1. **Personal Details**

|  |  |  |
| --- | --- | --- |
| Name  | Dr Rekha Kathal |  |
|  Designation | Associate Professor |
| Phone No | 9811356428 |
| Email | rkathal14@gmail.com |

**2- Educational Qualification**

|  |  |  |
| --- | --- | --- |
| Degree | Institution | Year |
| B. Sc. Biology | CCS University Meerut | 1980 |
| M. Sc. Botany | Department of Botany, CCS University Meerut | 1982 |
| M. Phil. Botany | Department of Botany, CCS University Meerut | 1983 |
| Ph. D. Botany | Department of Botany, University of Delhi | 1985-1990 |

**3- Full Time Research Experience**

|  |  |  |  |
| --- | --- | --- | --- |
| Designation | Institute | Time period  | Nature of Appointment |
| Research Associate | Department of Botany | 1990-92 | Temporary |

**4- Full time Teaching Experience**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| s.no | Designation | Institution | Time Period | Nature of Appointment |
| 1 | Adhoc Assistant Professor | Daulat Ram College, University of Delhi | 1990-2000 | Adhoc |
| 2 | Permanent Senior Lecturer | Daulat Ram College, University of Delhi | 2000-2006 | Permanent |
| 3 | Associate Professor | Daulat Ram College, University of Delhi | 2006-Till Date | Permanent |

**5- Administrative Assignments**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Name of Institute | Designation | Status | Time period | Experience |
| Daulat Ram College, University of Delhi | Deputy Superintendent | OBE Examination | 2020-21 |  |
| Daulat Ram College, University of Delhi | Admission Convenor | B. Sc Life Science | 2019-20 |  |
| Daulat Ram College, University of Delhi | Member | Teaching Programme Committee | 2019-20 |  |
| Daulat Ram College, University of Delhi | Convenor | Garden Committee | 2018-19 |  |
| Daulat Ram College, University of Delhi | Staff Advisor | Botanical Society Vasundhara | 2018-19 |  |
| Daulat Ram College, University of Delhi | Teacher in charge | Department of Botany, DRC | 2018-19 |  |
| Daulat Ram College, University of Delhi | Convenor | Garden Committee | 2017-18 |  |

**6- Areas of Interest in Teaching:**

|  |
| --- |
| Economic Botany, Cell Biology, Ecology, Plant Biotechnology |

**7- Subjects Taught**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| S.No | Course | Subject Taught  | Semester | Year |
| 1 | B. Sc. H Botany II Yr | Economic Botany | Odd | 2017-22 |
| 2 | B. Sc. H Botany I Yr | Cell Biology | Odd | 2017-22 |
| 3 | B. Sc. H Botany II Yr | Ethnobotany | Odd | 2017-22 |
| 4 | B. Sc. H Botany II Yr | Ecology | Even | 2017-22 |
| 5 | B. Sc. Botany H III Yr | Industrial and Environmental Microbiology | Even | 2017-22 |
| 6 | B. Sc. Botany H III Yr | Biotechnology | Even | 2017-22 |

**8- Research Guidance: NA**

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Name of student | Gender  | Degree for which guidance given | Date of Registration | Supervisor/ Co Supervisor | University | Title of Thesis | Date of submission of thesis | Date of Award of Degree |
| NA |  |  |  |  |  |  |  |  |

**9- Details of refresher/orientation course/research methodology/workshop/syllabus up-gradation/ teaching –learning-evaluation/technology programmes/Faculty Development Programme**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| S.No. | Details  | Place | Period | Year | Sponsoring/Organising Agency |
| From | To  |
| 1- | FDP on “Biosafety Bioethics and IPR” | Ram Lal Anand College, University of Delhi | 24th August | 28th August  | 2020 | Ram Lal Anand College, University of Delhi |
| 2-  | FDP on “Empowering Teaching Learning process using google classroom and other ICT Tools”. | Department of Commerce, Daulat Ram College, University of Delhi, Delhi | 21st July | 23rd July | 2020 | Department of Commerce, Daulat Ram College, University of Delhi, Delhi |
| 3-  | FDP on “Innovation in Scientific Research methods”  | Karori Mal College under the ages of DBT Star College Scheme. | 14th October | 18th October | 2020 | Karori Mal College under the ages of DBT Star College Scheme. |

**10. MOOCs completed with e-certification-NA**

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| S.No. | Details of MOOC  | Subject | Certification providing agency | Date of certification | Level(UG/PG/Other) | Year | E-certification no. |
|  | NIL |  |  |  |  |  |  |

**11. Contribution towards development of e-content/MOOCs in 4- quadrants-NA**

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| S.No. | Details of E-contents/ MOOCs in 4-quadrants | Quadrants developed | No. of Modules | Course  | Sponsoring agency | Year | Level(UG/PG/Other) |
|  | NIL |  |  |  |  |  |  |

**12. Contribution towards conduct of MOOCs-NA**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| S.No. | Details of MOOC  | Subject | Sponsoring agency | Level(UG/PG/Other) | Year | E-certification no. |
|  | NIL |  |  |  |  |  |

**13. Organising seminars/ conferences/workshops, other college/university activities**.

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| S.No. | Year | Details  | Place | Period | Sponsoring/Organising Agency |
| From | To  |
| 1-  | 2021 | Worked as Co -convener for two days International Conference on “Effective Strategies for Biodiversity Conservation. | Department of Botany, Daulat Ram College, University of Delhi, Delhi | 23 March | 24th March | Department of Botany, Daulat Ram College, University of Delhi, Delhi |
| 2-  | 2020 | Advisor for National Webinar on “Redefining Gardening from hobby to enterprise” Lecture series. | Garden Committee, Daulat Ram College, University of Delhi, Delhi | 21st October | - | Garden Committee, Daulat Ram College, University of Delhi, Delhi |
| 3- | 2019 | Convener of national symposium “**Environment and Sustainable Development: New Perspectives**” | Department of Botany, Daulat Ram College, University of Delhi, Delhi | 14th February  | - | Department of Botany, Daulat Ram College, University of Delhi, Delhi |
| 4- | 2018 | Departmental Convener of DST Inspire Science Camp 2018 (Department of Science & Technology, Govt. of India) | Daulat Ram College, University of Delhi, Delhi | 17th December | 21st December | Daulat Ram College, University of Delhi, Delhi |
| 5- | 2018 | Convener of FDP on Industrial and Environmental Microbiology | Department of Botany, Daulat Ram College, University of Delhi, Delhi | 19th March | 20th March | Department of Botany, Daulat Ram College, University of Delhi, Delhi |

**14. Creation of ICT mediated Teaching Learning pedagogy and content and development of new and**

 **innovative courses and curricula**

**Development of Innovative Pedagogy e module - NA**

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| S.No. | Name of the Module | Subject | Stream | Organization for which it was developed | Year | Level(UG/PG/Other) | Weblink  |
|  |

**15- Research Projects ongoing 2017-21- NA**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| S.No | Name of Research Project | Funding Agency | National/International | Duration  | Amount Sanctioned | Amount Received |

**16- Research projects Completed**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| S.No | Name of Research Project | Funding Agency | National/ International | Duration  | Amount Sanctioned | Amount Received |
| 1-  | **DRC-05 Synthesis of bio based Mesoporous Material and its application in water purification** | **University of Delhi** | National | 2 years | 10 lakhs | 10 lakhs |

**Publications:**

**17- Books**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| S.No | Citation | Publisher | Date of publishing | Authored/Edited | ISBN No |
|  | **Rekha Kathal,** N. Gautam, R. Pasricha, V. Chaudhary  | Books and Books Publications | 2019 | Editor of Proceedings of Symposium on Environment and Sustainable Development: New Perspectives | ISBN 9788193746622 |

**18- Book Chapters/Articles**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| S.No | Citation | Publisher | Date of publishing | Authored/Edited | ISBN No |
| 1 | **R. Kathal,** S. George and V. Chaudhary (2018). "**Micropropagation of Plants**" In: Inspire Manual at Daulat Ram College, University of Delhi, pp. 29-33 | - | 2018 | Authored | - |
| 2 | V. Chaudhary and **R. Kathal** (2018). "Yamuna: A sacred river or an open drain" In: Liana Botanical Society Magazine at Department of Botany, Daulat Ram College, University of Delhi | - | 2018 | Authored | - |

**19- E- Modules: NA**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| S.No | Citation | Publisher | Date of publishing | Authored/Edited | Link |
|  |  |  |  |  |  |

**20- Research Publications: NA**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| s.no | Citation  | Date of Publishing | Impact Factor | UGC Care List Journal Yes/No | Scopus Inexed Journal Yes/No | ISSN No |

**21-Conference Proceedings publication**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| S.no | Citation  | Date of Publishing | Name of conference | Venue of conference | ISBN No |
| 1 | **R. Kathal** andV. Chaudhary (2019). "Phytoremediation of Heavy Metals - A Greener and Sustainable Approach" | 2019 | Environment and Sustainable Development: New Perspectives | Department of Botany, Daulat Ram College, University of Delhi | Books and Books Publications ISBN 9788193746622 |
| 2 | V. Chaudhary and **R. Kathal** (2019). "Liquid Organic Formulations for Sustainable Agriculture" | 2019 | Environment and Sustainable Development: New Perspectives | Department of Botany, Daulat Ram College, University of Delhi | Books and Books Publications ISBN 9788193746622 |
| 3 | **R. Kathal,** S. George and V. Chaudhary (2018). "**Micropropagation of Plants**" | 2018 | DST Inspire Science Camp | Daulat Ram College, University of Delhi, pp. 29-33 | - |
| 4 | V. Chaudhary and **R. Kathal** (2018). "Yamuna: A sacred river or an open drain" | 2018 | Liana Botanical Society Magazine | Department of Botany, Daulat Ram College, University of Delhi. | - |

**22- Conference Attended and Paper presentation**

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| s.no | Type of Event | Name of Event | Venue of conference | Date of conference | Attended  | paper presented | No of papers presented |
| 1-  | National | webinar on “Strengthening the immune system with naturopathy”  | Hansraj College, University of Delhi, Delhi | 6th May, 2020 | Yes  | **No** |  |
| 2-  | National  | National Webinar on “Ecological Revival During Pandemic”  | Department of Chemistry, Bhaskaracharya College of Applied Sciences | May 21,2020 | Yes | **No** |  |
| 3 | National | National webinar on “Plant Biology: A Journey of Earth Space” | Department of Botany, Ramjas College, University of Dellhi, Delhi | 22nd – 23rd May, 2020 | Yes | **No** |  |
| 4-  | National  |  National webinar on “Art and Science Mentoring”  | Department of Physics, Daulat Ram College, University of Delhi, Delhi | 1st June, 2020 | Yes  | **No** |  |
| 5- | National  | Webinar on “World Environment Day” on “Theme Celebrating Biodiversity”. | Department of Biochemistry, Daulat Ram College, University of Delhi, Delhi | 4th June, 2020 | Yes  | **No** |  |
| 6- | National | Webinar on “Biodiversity and Iron”  | Department of Botany, Dayal Singh College in Association with SERNEM, University of Delhi, Delhi | 5th June, 2020 | Yes | **No** |  |
| 7- | International | International webinar on “Covid-19 pathways for sustainability: Mapping Energy Environment and Recycling”  | Daulat Ram College, in collaboration with Tilotonia Foundation Jadavpur. | 12th – 13th August, 2020 | Yes | **No** |  |
| 8-  | National | Webinar on “Colors in Nature”  | Department of Botany, Kirori Mal College, University of Delhi | August 22,2020. | Yes  | **No** |  |
| 9- | National | National Webinar on “Industrial Biotechnology-Scope & Aspirations”  | Department of Biotechnology & St. Edmuds College, Shillong | September 16, 2020 | Yes | **No** |  |
| 10-  | National  | National Webinar on “Opportunities & Challenges in National Education Policy”  | Dr.Harisingh Gaur Vishwavidyalya, Sagar, M.P. | September 21,2020  | Yes | **No** |  |
| 11-  | National | Webinar “National Education Policy-2020”  | Collaboration with National Service Scheme unit and Unnat Bharat Abhiyan Society of Saheed Rajguru College of Applied Science for woman | 29th September 2020. | Yes | **No** |  |
| 12- | National Seminar | **Recent Trends of Research in Medicinal Botany** | Department of Botany, Ramjas College, University of Delhi | 4-5 October, 2019 | Yes | **-** | - |
| 13- | National Symposium | **Microbes and Nanotechnology for Sustainable Environment**, | Department of Botany, Kirori Mal College, University of Delhi in association with Indian Society of Analytical Scientists – Delhi | 07th February, 2019 | Yes | **Abstract Accepted** | One |
| 14- | National Workshop | **Emerging Pollution Challenges on Earth Ecosystem SAFAR**, India’s Novel Initiative | Environmental Pollution Laboratory, Department of Environmental Studies, University of Delhi, Delhi | 26 March, 2019 | Yes | **-** | - |
| 15- | National Seminar | **Draft New Education Policy, 2019** | Mahatma Hansraj Faculty Development Centre, Hansraj College, University of Delhi | August 10, 2019 | Yes | **-** | - |
| 16- | National Conference | **Biotechnology in Present Era: Impact on Human Life and Environment** | Maitreyi College in collaboration with Department of Biotechnology, Govt. of India (Under DBT-CTEP Programme) | August 23, 2019 | Yes | **-** | - |

**23-Resource Person (Conference/seminar/ workshop/training programme/ educational trips)**

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| S.No | Type of Event | Name of Event | Venue | Date of Event | State your role:Convener/Member organizing committee/ Speaker/ Coordinator | Duration of Activity | No of participant in the programme |
| 1- | **Faculty Development Programme** | Industrial and Environmental Microbiology | Department of Botany, Daulat Ram College, University of Delhi | **19-20th March 2018** | **Resource Person** | Two Days | 30 |
| 2-  | **Science Camp** | DST INSPIRE SCIENCE CAMP 2018 | Daulat Ram College, University of Delhi | **17-21st December 2018** | **Departmental Resource Person** | Five Days | 70 |

**24. Awards Won**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| S.No | Name of Award | Awarding Agency | Government/ NGO/ International/Private | Recognition area | Date of award | Type of Honor received |
| 1-  | Dr. Sarvepalli Radha Krishnan Best Teacher Award 2021 in Biotechnology | Centre for professional advancement | Government/NGO | Academics | **5th September 2021.** | Best Teacher |

**25- Extension Activity (Community related program)-NA**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| S.No | Type of Activity | Centre and Venue | Title of Event | Role in the event | Date/period of Event | No of members of the community/students /Faculty benefitted |
| 1 | Skill Enhancement Workshop for Non Teaching Staff | Daulat Ram College, University of Delhi | Botany Related Experiments | Convenor and Resource Person | 4-16 July, 2019 (One Day for Department of Botany) | Non-Teaching Staff of College = 30 |
| 2 | **DST Inspire Science Camp** | Daulat Ram College, University of Delhi | Session "**Micropropagation of Plants**" | Departmental- Coordinator and Resource Person  | 17th to 21st December, 2018 | Students of Delhi Schools = 130 |

**26- Membership of Professional Bodies**

|  |  |  |  |
| --- | --- | --- | --- |
| S.No | Type of Membership | Organisation | Year of Membership |
| 1 | Indian Science Congress Association | Indian Science Congress | Life Member |
| 2 | International Society of Environmental Botanists | NBRI, Lucknow | Life Member |
| 3 | Delhi University Botanical Society | Department of Botany, University of Delhi | Life Member |
| 4- | Environment and Social Development Association (ESDA) | NGO registered with NITI Aayog | Patron member |
| 5- | Indian Network for Soil Contamination Research (INSCR) | Soil Contamination Research and Protection | Life Member |