



**Faculty Detail Performa2017-21**

1. **Personal Details**

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| Name | Dr. Aradhana Yadav |  |  |
| Designation | Assistant Professor |  |
| Department | Botany |  |
| Email | aradhana1805@gmail.com |  |

1. **Educational Qualification**

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| Degree | Institution | Year |
| Bachelor of Science (B.Sc.) | Ewing Christian college, Allahabad University | 2002 |
| Master of Science (M.Sc.) | Deen Dyal Upadhyaya College, Gorakhpur University | 2004 |
| Doctor of Philosophy (Ph.D), Botany | Jamia Hamdard, Delhi | 2013 |
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1. **Full Time Research Experience**

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| Designation | Institute | Time period | Nature of Appointment |
| Junior Research fellow | Department of Genetics, South Campus, University of Delhi | March to December, 2016 | Full time research |
| Ph.D (Botany | Department of Botany, Jamia Hamdard, Delhi | 2007-2013 | Full time Research |

1. **Full time Teaching Experience**

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| --- | --- | --- | --- | --- |
| s.no | Designation | Institution | Time Period | Nature of Appointment |
| 1. | Assistant Professor | Deen Dyal Upadhyaya College, DU | 22-01-13 to 05-05-15 | Adhoc |
| 2. | Assistant Professor | Daulat Ram College, DU | 20-8-2015 to till date | Adhoc |
| Total |  |  |  |  |

1. **Administrative Assignments**

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| --- | --- | --- | --- | --- |
| Name of Institute | Designation | Status | Time period | Experience |
| Deen Dyal Upadhyaya college | Botanical Society (Kalpvriksha), Active Member | completed | 2013-2015 | 1.5 yrs |
| Deen Dyal Upadhyaya college | Co-convenor, Eco-Club | completed | 2014-2015 | 1 yr |
| Department of Botany, Daulat Ram college | Member of organizing committee of In-House Skill Development Workshop on “Food Adulteration and Security” | completed | (3-14 July,2017) |  |
| Department of Botany, Daulat Ram college | Member of organizing committee, Faculty Development Programme on Industrial and Environmental microbiology under the aegis of DBT Star College Project | completed | (19-20) March, 2018) |  |
| Department of Botany, Daulat Ram college | Member of organizing committee of symposium “Environment and Sustainable Development- New Perspectives” | completed | (14 Feb, 2019) |  |
| Fine Arts society | Committee member | completed | 2016-2017 |  |
| Daulat Ram college | Member of Sports committee | completed | 2019-2020 |  |
| Garden Committee | Committee member | Presently | 2015-2022 |  |
| Eco-club | Committee member | Presently | 2021-2022 |  |
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1. **Areas of Interest:**

Reproductive Biology of angiosperms, Biodiversity, Plant anatomy and Embryology, Anatomy of Angiosperms, Economic Botany and Biotechnology.

1. **Subjects Taught**

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| S.No | Course | Subject Taught | Semester | Year |
| 1 | B.Sc Life sciences I , II Yr | Biodiversity, Plant Anatomy and Embryology, Generic Elective (Biodiversity), cell and Molecular Biology | I, III | 2015-2021 |
|  | B.Sc Life sciences I , II Yr | Plant Ecology and Taxonomy, Plant physiology and Metabolism, Economic Botany and Biotechnology | II, IV | 2015-2022 |
| 2 | B.Sc (Hons), II,III Yr | Anatomy of angiosperms, Economic Botany, Mycology and Phycology | III, VI | 2015-2022 |
| 4 | B.Sc (Hons), II,III Yr | Plant metabolism, Reproductive Biology of Angiosperms | II, IV | 2015-2022 |

1. **Research Guidance Given:**

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| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Name of student | Gend er | Degree for which guidance | Date of Registration | Super visor/ Cosuperviso r | Universit y | Title of Thesis | Date of submissi on of thesis | Dat e of Awa rd of |
| NIL |  |  |  |  |  |  |  |  |
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1. **Details of refresher/orientation course/research methodology/workshop/syllabus up-gradation/ teaching –learning-evaluation/technology programmes/Faculty Development Programme**

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| --- | --- | --- | --- | --- | --- | --- |
| S.No. | Details | Place | Period | | Year | Sponsoring/Organising Agency |
| From | To |
| 1. | FDP on “Industrial and Environmental Microbiology” | Department of Botany, Daulat Ram College, DU | 19 March | 20 March | 2018 |  |
| 2. | Online Faculty Empowerment Programme on “Application of ICT tools used in higher Education” | Motilal Nehru College, DU | 11 June | 12 June | 2020 |  |
| 3. | E-FDP on “Empowering Teaching–Learning Process using Google Classroom and other ICT Tools: a comprehensive practical approach” | Department of Commerce, Daulat Ram College, DU | 21 July | 23 July | 2020 |  |
| 4. | Workshop cum Training Programme on Bioinformatics and Computational Tools for Botanical studies | Department of Commerce, Daulat Ram College, DU | 12 Feb | 13 Feb | 2020 |  |
| 5 | Lecture on“ Pollinators, Pollinators Dependent Plants and  Conservation Values” | Department of  Botany, DRC | 4 August |  | 2021 |  |
| 6 | Learning Reproductive Biology with fluorescence microscopy | Workshop organised by Department of Botany, DRC | 25 Aug | 26 Aug, | 2021 |  |
| 7 | Lecture series on “Redefining  gardening from hobby to enterprise: series1-4 | Department of botany, DRC | 21 Oct, 11 Nov, 18 Nov,25 Nov |  | 2021 |  |
| 8. | FDP-Wildlife Conservation and Management | Mahatma Hansraj  Faculty Development Programme | 4th oct-9th Oct |  | 2021 |  |
| 9. | Skill Development Programme”Think Smart Think Green | Dhara-Eco Club, Daulat Ram College | 9th-14th Oct |  | 2021 |  |
| 10. | National workshop-Raising Awareness on Urban Air Quality, Climate Change, Health and e-resilience Ministry of Science and Technology (DST), Government of India | Department of Environmental Studies, University of Delhi, Delhi & Eco-Club (Dhara) | 25 June |  | 2022 |  |

1. **MOOCs completed with e-certification**

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| --- | --- | --- | --- | --- | --- | --- | --- |
| S.No. | Details of MOOC | Subject | Certification providing agency | Date of certification | Level  (UG/PG/Other) | Year | E-certification no. |
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1. **Contribution towards development of e-content/MOOCs in 4- quadrants**

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

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| --- | --- | --- | --- | --- | --- | --- |
| S.No. | Details of MOOC | Subject | Sponsoring agency | Level  (UG/PG/Other) | Year | E-certification no. |
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1. **Organising seminars/ conferences/workshops, other college/university activities**.

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| --- | --- | --- | --- | --- | --- | --- |
| S.No. | Year | Details | Place | Period | | Sponsoring/Organising Agency |
| From | To |
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1. **Creation of ICT mediated Teaching Learning pedagogy and content and development of new and**

**innovative courses and curricula**

**Development of Innovative Pedagogy e module**

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| --- | --- | --- | --- | --- | --- | --- | --- |
| S.No. | Name of the Module | Subject | Stream | Organization for which it was developed | Year | Level  (UG/PG/Other) | Weblink |
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1. **Research Projects ongoing 2017-21**

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

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

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| S.No | Authors (year)Name of Book. Publisher, ISBN No | Publisher | Date of publishing | Authored/Edited | ISBN No |
| 1. Wealth of India- a resource information, (Pi-Z) |  | Wealth of India Division, NISCAIR | 2009 | Co-edited, core member group | ISBN: 81-85038-00-7 (set) |
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1. **Book Chapters/Articles published**

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| S.No | Author(year) Title of Chapter/Article,in Edited Book: Title of book, Publisher, Vol, Page no | Date of publishing | Authored/Edited | ISBN No |
| 1. | 1.Article: “RAPD-based sequence Characterized Amplified Region Marker for authentication of Medicinal plants” | (4-5 Feb, 2013) | National Conference on Advances in Environmental Sciences and Plant Biotechnology |  |
| 2. | 2. Article: Authentication of Herbal Drugs used in Traditional Systems of Medicine in Newsletter, Contemporary Plant Sciences. | (2014-2015) | Botanical society, (Newsletter), Deen Dyal Upadhyaya College, DU |  |
| 3. | 3. Article: Conservation of Some Threatened Ethno-Medicinal Plants of India by Micropropagation. | (28 sept-1 Oct, 2015) | (Workshop manual), Conservation of Medicinal Plants by Micropropagation |  |
| 4. | 4. Article: “Adulteration in Clove”. | (3 July-14 July, 2017) | (Workshop manual), Skill House Development Workshop on “Food Adulteration and Security” |  |
| 5. | 5. Article: Environment Impacts leading to Extinction of *Swertia Chirayita*-An Endangered Himalayan Plant | (2017-2018) | Newsletter *Liana*, (Botanical Society) Department of Botany, DRC |  |

1. **E- Modules Published**

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| --- | --- | --- | --- | --- |
| S.N  o | Author (year) Title, Module, Subject ,Organisation, Weblink | Date of publishing | Authored/E dited | Link |
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1. **Research Publications**:

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| --- | --- | --- | --- | --- | --- |
| S.No | Author/s(Year) Journal Name, Vol, series, pg no, ISSN | Date of Publishing | Impact Factor | UGC  Care List Journal Yes/No | Scopus Inexed  Journal Yes/No |
| 1. | Development of Sequence Characterized Amplified Region (SCAR) Marker for the authentication of *Bacopa monnieri* (L.) Wettst.,2012. | 2012 | European journal of medicinal plants |  |  |
| 2. | Development of Randomly Amplified Polymorphic DNA- Sequence Characterized Amplified Region Marker for the authentication of *Swertia chirayita*, an Endangered Himalayan Plant.,2012. | 2012 | Journal of plant molecular Biology and Biotechnology |  |  |
| 3. | Quantitative determination of swertiamarin in Swertia chirayitaby HPTLC.,2013 | 2013 | International Journal of Engineering Research and General Science |  |  |
| 4. | Conservation of Potent Anti-Cancerous Medicinal Plants of India by Micropropogation-A review.,2016 | 2016 | International journal of Biotechnology and Biomedical sciences; |  |  |
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1. **Conference Proceedings publication**

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| S.no | Title of Paper (Year) Title of conference proceedings , Vol, series, Pg no , ISBN | Date of Publishing | Peer Reviewed Yes/No | Venue of conference |
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1. **Conference Attended and Paper presentation**

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| --- | --- | --- | --- | --- | --- | --- | --- |
| s.no | Type of Event | Name of Event | Venue of conference | Date of conference | Attended only  Yes/no | paper presen ted  Yes/No | Title of Paper Presented |
| 1. | National Conference on Climate Change: Impacts, Adaptation, Mitigation Scenario and Future Challenges in Indian Perspective | National conference | Deen Dyal Upadhyaya College, DU | (02-03 March, 2015) | Attended |  |  |
| 2. | “Creating Courses Using Open Education Resources” | Workshop | Deen Dyal Upadhyaya College, DU | (17 March, 2015) | Attended |  |  |
| 3. | “Conservation of Medicinal Plants by Micropropagation” | Workshop | Dept. of Botany, Daulat ram College | (2015) | Attended |  |  |
| 4. | International Conference on Public Health: Issues, Challenges, Oppurtunities, Prevention, Awareness | International Conference | Daulat Ram college, DU | (15-16 January, 2016) | Attended |  |  |
| 5. | “Biological Tools in Biotechnology” under Star College Project conducted by Department of Botany, | Workshop | Dept. of Botany, DRC | (28-29 March, 2016) | Attended |  |  |
| 6. | “Food adulteration and Security”, | In-house skill development Programme | Dept. of Botany, DRC | (3 July-14 July | Attended |  |  |
| 7. | Environment and Sustainable Development-New Perspectives | Symposium | Dept. of Botany, DRC | (14 January, 2019) | Attended |  |  |
| 8. | Environment and Human Health | International conference | NESA & Dept. of Botany, Jamia Hamdard | 28-29 Nov, 2012) | Attended |  |  |
| 9. | “Plant Biotechnology: Advances, Impact and Relevance” | National conference | Dept. of Botany, Aligarh Muslim University | (20 march, 2010) | Attended |  |  |
| 10. | “Recent Trends of Research in Medicinal Botany” | National seminar | Dept. of Botany, Ramjas College | (4-5 Oct, 2019) | Attended |  |  |
| 11 | “Medicinal Plants Research in India” | National seminar | UGC-SAP DRS-sponsored, Department of Botany, Jamia Hamdard, | (16-17 Mar, 2012) | Attended | Oral Presentation |  |
| 12 | Environment Management & Biodiversity Conservation” | National Seminar | Government Lohia P.G College, Churu | (6-7 Oct, 2012) | Attended | Oral presentation |  |
| 13. | Biodiversity and Public Health | Webinar | Eco-Club Shivaji College, DU | 19 May, 2020 | Attended |  |  |
| 14. | Plant Biology: A journey from Earth to Space | Webinar | Dept. of Botany, Ramjas College, Du | 22-23 May,2020 | Attended |  |  |
| 15. | Biodiversity and Man | Webinar | Dept. of Botany, Dyal Singh college, DU | 5 Jne,2020 | Attended |  |  |

1. **Resource Person (Invited Lecture/Paper Presentation/ Chairing session/judging/ educational trips)**

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| --- | --- | --- | --- | --- | --- | --- | --- |
| S.N  o | Type of Event | Name of Event | Venue | Date of Event | State your role: Convener/Memb er organizing committee/ Speaker/  Coordinator | Duratio n of Activity | No of participan t in the programm e |
| 1. | In-house skill development programme (SDP) on “ under IQAC | “Disease prevention by Natural remedies and Identification of active ingredients |  | 20 Dec-27 Dec, 2021 | Resource Person | 4 Hrs. | 40 |
| 2. | In-house Skill Development Programme “Think Smart Think Green” under IQAC | “Building the GREEN MICROCOSM” |  | 9 Oct-14 oct, 2021 | Resource Person | 4 hrs | 50 |

1. **Awards Won**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| S.No | Name of Award | Awarding Agency | Government/ NGO/ International/Private | Recognition area | Date of award | Type of Honor received |
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1. **Extension Activity( Community related program )**

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| 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. |  |  |  |  |  |  |
| 2. |  |  |  |  |  |  |

1. **Membership of Professional Bodies**

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| --- | --- | --- | --- |
| S.No | Type of Membership | Organisation | Year of Membership |
| NIL |  |  |  |
|  |  |  |  |
|  |  |  |  |

**Signature**