**Faculty Detail Performa Name of Faculty**

|  |  |  |
| --- | --- | --- |
| Name  | Dr. Shagun Danda |  |
| Designation | Assistant Professor |
| Department | Department of Botany |
| Email | shagun@dr.du.ac.in |

**Educational Qualification**

|  |  |  |
| --- | --- | --- |
| **Degree** | **Institution** | **Year** |
| Ph.D. Botany | Department of Botany, University of Delhi | 2019 |
| M.Sc. Botany | Department of Botany, University of Delhi | 2013 |
| B.Ed.  | Kurukshetra University, Kurukshetra  | 2011 |
| B.Sc. (H) Botany | Miranda House, University of Delhi | 2010 |

**Full time Teaching Experience**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **S.No** | **Designation** | **Institution** | **Time Period** | **Nature of Appointment** |
| 1.  | Assistant Professor | Daulat Ram College, University of Delhi | 09th March 2018 - present | Ad-hoc |
| 2. | Guest Lecturer | Daulat Ram College, University of Delhi | 17th Oct. 2017 to 08th March 2018 | Guest |

**Administrative Assignments**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Name of Institute** | **Designation** | **Status** | **Time period** | **Experience** |
| Daulat Ram College, University of Delhi | Active Member of Flower Show Committee | Completed | 2019-2021 | 2 years |
| Daulat Ram College | Admission Help Desk | Completed | 2018-2020 | 3 years |
| Daulat Ram College | Member of Sports committee | Ongoing  | 2019-20202022 | 2 years |
| Daulat Ram College, University of Delhi | Member of Garden Committee | Ongoing | 2018- ongoing | 5 years |
| Daulat Ram College, University of Delhi | Women’s Development Cell | Completed | 2021 | 1 year |
| Daulat Ram College, University of Delhi | Member of Film and Photography Society, Sepia | Ongoing | 2022 |  |

**Areas of Interest in Teaching:**

|  |
| --- |
| Plant Systematics, Biostatistics |

**Subjects Taught**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **S. No.** | **Course** | **Subject Taught** | **Semester** | **Year** |
|  | B.Sc. (H) Botany, II year | Genetics | III | 2019-till date |
|  | B.Sc. (H) Botany, III year | Bioinformatics | VI | 2022 |
|  | B.Sc. (H) Botany, I year | Biomolecules and Cell Biology | I | 2019, 2020 |
|  | B.Sc. (H) Botany, I year | Archegoniatae | II | 2019, 2020 |
|  | B.Sc. Life Sciences, I yearB. Sc. (H) Zoology, II year | Plant Ecology and Taxonomy | II, III | 2019, 2020 |
|  | B. Sc. Life Sciences, III year | Biodiversity (Microbes, Fungi and Archegoniatae) | I | 2020, 2022 |
|  | B.Sc. (H) Botany, II year | Plant Systematics | IV | 2019, 2020, 2021, 2022 |
|  | B.Sc. (H) Botany, II year | Molecular Biology | IV | 2019, 2020,2021, 2022 |
|  | B.Sc. (H) Botany, II year | Economic Botany | III | 2017 |
|  | B.Sc. (H) Botany, II year | Ethnobotany | III | 2017 |
|  | B.Sc. (H) Botany, II year | Ecology | IV | 2017 |
|  | B.Sc. (H) Zoology, II yearB. Sc. Life Sciences, III year | Economic Botany and Biotechnology | IVVI | 2017 |
|  | B.Sc. (H) Botany, III year | Plant Biotechnology | VI | 2019 |
|  | B.Sc. (H) Botany, III year | Analytical techniques in Plant Sciences | V | 2018, 2019,2020 |
|  | B.Sc. (H) Botany, III year | Biostatistics | V | 2018- till date |
|  | B. Sc. Life Sciences, III year | Cell and Molecular Biology | V | 2019 |
|  | B.A. programme, B.Com. (H), B.Sc. (H) Zoology, B.Sc. (H) Biochemistry | Environmental Sciences | II | 2018, 2020,2022 |

**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/Organizing Agency** |
|  | Basic Techniques for Home Gardening – Series I | Department of Botany, Daulat Ram College, University of Delhi, Delhi. | 14th Sept - 15th Sept. | 2022 | Department of Botany, Daulat Ram College, University of Delhi, Delhi |
|  | Women’s well-being and Flourishing: Barriers to flourishing and well being | Department of Botany, Daulat Ram College, University of Delhi, Delhi. | 8th March | 2022 | Department of Botany, Daulat Ram College, University of Delhi, Delhi |
|  | Faculty Development Programme on Industrial and Environmental Microbiology.  | Department of Botany, Daulat Ram College, University of Delhi, Delhi. | 19th March | 20th March | 2018 |
|  | National workshop cum Training on Bioinformatics and Computational Tools for Botanical Studies.  | Department of Botany, Daulat Ram College, University of Delhi, Delhi. | 12th February. | 13th February. | 2020 |
|  | E- faculty development programme on “Empowering Teaching- learning Process using google classroom & other ICT tools: A comprehensive practical approach.  | Department of Commerce, Daulat Ram College, University of Delhi, Delhi. | 21st July | 23rd July | 2020. |

**Research Publications**

Book Chapters/Articles

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **S.No** | **Citation** | **Publisher** | **Date of publishing (DDMMYY0** | **Authored/Edited** | **ISBN No** |
| 1- | Traditional Agriculture: A Sustainable Approach Toward Attaining Food Security  | In press | In press |  | 978-1-77491-319-2 |

**International**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **S.No** | **Publication details (Authors, Title of article, Journal, Volume, Issue, Year, Page range of article, URL/DOI)**  | **Date of Publication** | **Impact Factor** | **UGC Care List Journal Yes/No** | **Scopus Indexed Journal Yes/No** | **ISSN No** |
|  | **Danda, S**., Subramaniam, S., Choudhary, A.K., Rather, S.A., Misra, G. & Pandey, A.K. 2022. Quantitative analysis of fatty acids in some selected *Crotalaria* species using GC-MS. **Phytochemical analysis (submitted)** | 2022 | **3.03** | Yes | Yes | **09580344, 10991565** |
|  | Subramaniam, S., Rather S.A., **Danda, S.** & Pandey, A.K. 2022. The systematic significance of pod morphological and anatomical variations in Indian *Crotalaria* L. (Leguminosae). **Flora** 290 (2022) 152059:1-12. | 2022 | **2.25** | Yes | yes |  **0367-2530** |
|  | Pal, K. and **Danda S. 2021.** Stress, Anxiety Triggers and Mental Health Care Needs among general public under lockdown during COVID-19 Pandemic: a Cross-Sectional Study in India. **International Journal of Mental Health and Addiction** | 2021 | **3.83** | Yes | Yes | **1557-1882** |
|  | Subramaniam, S., Rather S.A., **Danda, S.** & Pandey, A.K. 2020. Presence of air cavities in pods of an endemic legume *Crotalaria pusilla* DC. (Leguminosae, Papilionoidae). **Current Science** 118: 1-2.  | 2020 | **1.10** | Yes | Yes | 0011-3891 |
|  | Rather, S.A., Subramaniam, S., **Danda, S.**, Pandey, A.K. 2018. Discovery of two new species of *Crotalaria* (Leguminosae, Crotalarieae) from Western Ghats, India. **PLoS One** 13(2):1-20 | 2018 | **3.24** | Yes | Yes | e1932-6203 |
|  | Dwivedi, M.D., Meena, D.S., Rather, S.A., **Danda, S.** and Kasana, S. 2018. Floristic Diversity at Asola Bhatti Wildlife Sanctuary, Delhi, India. **Phytomorphology** 68 (1&2): 19-34. | 2018 | **0.1** | Yes | - | 0031-9449 |
|  | **Danda, S.**, Subramaniam, S., Rather, S.A. and Pandey, A.K. 2016. A new species of *Crotalaria* (Fabaceae, Crotalarieae) from Meghalaya, India. **Systematic Botany** 41(2): 307-315 | 2016 | **1.89** | Yes | Yes | 0737-8211 |

**National**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **S.No** | **Publication details (Authors, Title of article, Journal, Volume, Issue, Year, Page range of article, URL/DOI)** | **Date of Publication** | **Impact Factor** | **UGC Care List Journal Yes/No** | **Scopus Indexed Journal Yes/No** | **ISSN No** |
|  | Subramaniam, S., Rather, S.A., **Danda, S.** 2016. Two new records to the Flora of Himachal Pradesh (India) from Sirmour District. **Pleione** 10(2): 407-409. | 2016 | - | Yes | - | 0973-9467 |

**Conference Proceedings publication**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **S.No** | **Details (Authors, Book title, Article title, Year, page range of article)**  | **Date of Publication (DDMMYY)** | **Name of conference** | **Venue of conference** | **ISBN No** |
| 1.  | Sharma, M. Gautam, N. and **Danda, S.** 2019. Microbial based biofuels. Symposium on Environment and Sustainable Development: New Perspectives. Department of Botany. Daulat Ram College. University of Delhi.  | Feburary 14, 2019 | Environment and Sustainable Development-New Perspectives  | DRC, University of Delhi  | ISBN: 978-81- 937466-2-2  |
| 2. | **Danda, S**., Gautam, N. and Sharma, M. 2019. Botanical gardens: Road leading to conservation, Research and public awareness. Symposium on Environment and Sustainable Development: New Perspectives. Department of Botany. Daulat Ram College. University of Delhi.  | Feburary 14, 2019  | Environment and Sustainable Development-New Perspectives  | DRC, University of Delhi  | ISBN: 978-81- 937466-2-2  |
| 3 | Gautam, N. Sharma, M. and **Danda,S.** 2019. Earth Biogenome Project. Symposium on Environment and Sustainable Development: New Perspectives. Department of Botany. Daulat Ram College. University of Delhi | Feburary 14, 2019 | Environment and Sustainable Development-New Perspectives  | DRC, University of Delhi  | ISBN: 978-81- 937466-2-2  |
| 4. |  **Shagun Danda**, Shweta Subramaniam, Shabir Ahmad Rather, Arun K. Pandey Systematic significance of leaf morphology and anatomy in genus *Crotalaria* L in Proceedings of Silver Jubilee Conference of IAAT and Council Meeting of IAPT & International Seminar on Advancements in Angiosperm Systematics and Conservation. Pg no. 253 Abstract No. P-54 | 19th–21st November, 2015. | Silver Jubilee Conference of IAAT and Council Meeting of IAPT & International Seminar on Advancements in Angiosperm Systematics and Conservation | University of Calicut, Kerala. |  |
| 5. | Shweta Subramaniam, Shabir Ahmad Rather, **Shagun Danda**, Arun K. Pandey Systematic and evolutionary significance of the pod morphological and anatomical variations in the genus *Crotalaria* L. (Fabaceae). Proceedings of Silver Jubilee Conference of IAAT and Council Meeting of IAPT & International Seminar on Advancements in Angiosperm Systematics and Conservation. Pg.no. 50. Abstract No. SRY/IAPT -03 | 19th–21st November, 2015. | Silver Jubilee Conference of IAAT and Council Meeting of IAPT & International Seminar on Advancements in Angiosperm Systematics and Conservation | University of Calicut, Kerala. |  |

**Conference Attended and Paper presentation**

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **S.No** | **Type of Event** | **Name of Event** | **Venue of conference** | **Date of conference (Start date – End Date)** | **Attended**  | **Name of paper presented** | **No. of papers presented** |
| 1. | Symposium | Environment and Sustainable Development:New Perspectives. (Member of Organizing Committee) | Department of Botany. Daulat Ram College. University of Delhi. | February 14, 2019 | Yes | - | - |
| 2. | International Symposia | XXVII Annual conference of Indian Association for Angiosperm Taxonomy & International Symposium on Plant Systematics: Priorities and Challenges. | Department of Botany, University of Delhi, Delhi  | November 10-12, 2017 | Yes | Scaling of Leaf venation architecture and anatomical features explain ecological and evolutionary patterns in the Genus *Crotalaria* L. **Shagun Danda**, Shweta Subramaniam, Shabir Ahmad Rather, Arun K. Pandey **Abstract No. PP-21, Pg no. 138** | 2 |
| 3. | International Symposia | XXVII Annual conference of Indian Association for Angiosperm Taxonomy & International Symposium on Plant Systematics: Priorities and Challenges. | Department of Botany, University of Delhi, Delhi | November 10-12, 2017 | Yes | A molecular phylogeny and new subsectional classification of *Crotalaria* (leguminosae) based on molecular markers and Morphology. Shabir Ahmad Rather, Shweta Subramaniam, **Shagun Danda**, Arun K. Pandey in Proceedings of XXVII Annual conference of Indian Association for Angiosperm Taxonomy & International Symposium on Plant Systematics: Priorities and Challenges. **Abstract No. PP-08, Pg no. 127** | 2 |
| 4. | International Conference | Botany Conference 2017 | Fort Worth, Texas, USA. | June 24-28, 2017 | Yes | A new classification of Indian *Crotalaria* based on morphological and molecular markers. Shabir Ahmad Rather, Shweta Subramaniam, **Shagun Danda**, Arun K. Pandey. | 1 |
| 5. | National Conference | XXXX All India conference of The Indian Botanical Society & National Symposium on Evaluation and Conservation of Plant Germplasm |  Department of Botany, Punjabi University Patiala. | 15 -17 September 2017 | No | Systematic and evolutionary significance of seed morphology in the genus *Crotalaria* (Leguminosae). Shabir Ahmad Rather, Shweta Subramaniam, **Shagun Danda**. **Abstract No. PP-4-22** | 1 |
| 6. | International conference | Silver Jubilee Conference of IAAT and Council Meeting of IAPT & International Seminar on Advancements in Angiosperm Systematics and Conservation | University of Calicut, Kerala. | 19th–21st November, 2015. | Yes | Systematic significance of leaf morphology and anatomy in genus *Crotalaria* L. Shagun Danda, Shweta Subramaniam, Shabir Ahmad Rather, Arun K. Pandey. **Pg no. 253 Abstract No. P-54** | 2 |
| 7. | International conference | Silver Jubilee Conference of IAAT and Council Meeting of IAPT & International Seminar on Advancements in Angiosperm Systematics and Conservation | University of Calicut, Kerala. | 19th–21st November, 2015. | Yes | Systematic and evolutionary significance of the pod morphological and anatomical variations in the genus *Crotalaria* L. (Fabaceae). Shweta Subramaniam, Shabir Ahmad Rather, **Shagun Danda**, Arun K. Pandey. **Pg.no. 50. Abstract No. SRY/IAPT -03** | 2 |
| 8. | National Congress | 102nd Indian Science Congress | University of Mumbai, Mumbai | January 3-7, 2015 | Yes | Self-Parasitism in *Cuscuta reflexa* Roxb. P. Chitralekha, **Shagun Danda**, Shweta Subramaniam. **Page no. 172, Abstract no. 85** | 2 |
| 9. | National Congress | 102nd Indian Science Congress | University of Mumbai, Mumbai | January 3-7, 2015 | Yes | Diversity of angiosperms in Asola Bhatii Wildilife Sanctuary. Devender Singh Meena, Mayank Dhar Dwivedi, **Shagun Danda. Pg no. 170. Abstract no. 83** | 2 |
| 10. | National Seminar | Learner- Centered Interactive Pedagogy: Innovations and Experiments. | Budha College of Education, Karnal, Kurukshetra University |  | Yes | - | - |
| 11. | National Symposium | Science of Life: The New Horizon | Miranda House, University of Delhi, Delhi | November 21-23, 2007 | Yes | - | - |

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

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **S.No** | **Type of Event** | **Name of Event** | **Venue** | **Date of Event (Start Date- End Date)** | **State your role:****Convener/Member organizing committee/ Speaker/ Coordinator** | **Duration of Activity** | **No of participant in the programme** |
|  | National conference | Women’s well-being and Flourishing: Barriers to flourishing and well being | Daulat Ram College (Under IQAC), University of Delhi | 8th March 2022 | **Teacher coordinator** | 1.5 hrs | 150 |
|  | Workshop | “Basic Techniques for Home Gardening – Series I” | Daulat Ram College | 14th-15th sept. 2022 | **Member organizing committee** | 2 days | 80 |
|  | Workshop for non-teaching staff | Digital learning through ICT tools | Department of Botany (Under IQAC), Daulat Ram College, University of Delhi. | 21st January 2022 to 28th January 2022 | **Resource Person** | 7 days | 50 |
|  | National webinar | Redefining Gardening from Hobby to enterprise (Series 1 to 4) | Garden Committee (under IQAC) | 21st October 2020, 11th November 2020, 18th November 2020, 25th November 2020 | **Member organizing committee** | 4 days | 160 |
| 5. | Skill Development Programme (SDP) | Basics of Online Class Tools | Department of Botany (under IQAC), Daulat Ram College, University of Delhi | 12,17-19 August 2020 | **Resource Person** | 4 days | 200 |
| 6. | Skill Development Programme (SDP) | Basics of Online Class Tools | Department of Botany (under IQAC), Daulat Ram College, University of Delhi | 17-19 December 2020 | **Resource Person** | 3 days | 200 |
| 7. | Webinar  | **“Redefining Gardening from Hobby to enterprise: Series 2”** | Department of Botany, Daulat Ram College, University of Delhi. | 11th November 2020 | **Member Organizing committee** | 3hrs | 80-90 |
| 8. | Webinar | **Redefining Gardening from Hobby to enterprise: Series 1,3 and 4** | Department of Botany, Daulat Ram College, University of Delhi. | 21st October 2020, 18th November 2020 and 25th November 2020 | **Member Organizing committee** | 3hrs | 70-80 |
| 9. | Workshop | Research based Pedagogical Tools (RBPT) Workshop for Science Teachers.  | Department of Zoology, Daulat Ram College, University of Delhi. | March 25-27, 2019.  | **Participant** | 3 days | 80 |
| 10. | Skill Development Programme (SDP) |  “Basics of Bioinformatics: Theory and Practice | Department of Botany (Under IQAC), Daulat Ram College, University of Delhi. | July 11-17, 2019. | **Resource Person** | 1 week | 35 |
| 11. | Faculty Development Programme (FDP) | Industrial and Environmental microbiology | Department of Botany, Daulat Ram College, University of Delhi. | March,19-20, 2018 | **Member of Organizing Committee** | 2 days | 50 |
| 12. | Science camp | Inspire Science Camp | Daulat Ram College | 17-21 dec 2018 | **Member of organizing committee** | 8 hrs everyday | above 500 students from schools across delhiand ncr |
| 13. | Symposium | Environment and Sustainable Development: New Perspectives. Department of Botany. | Department of Botany, Daulat Ram College, University of Delhi. | February 14, 2019 | **Member of Organizing Committee** | 1 day | 60 |
| 14. | Annual Conference of IAAT and International Symposium | Plant Systematics: Priorities and Challenges  | Department of Botany, University of Delhi | November 10-12, 2017 | **Member of Organizing Committee (Poster Committee)** | 3 days | 500 |

**Awards Won**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **S.No** | **Name of Award** | **Awarding Agency** | **Government/ NGO/ International/Private** | **Recognition area** | **Date of award (DDMMYY)** | **Type of Honor received** |
|  1.  | International Travel Grant | SERB-DBT | Government |  | 24/05/17 | Travel Grant Award |
| 2. | CSIR-UGC JRF | UGC | Government |  | 23/03/17 | Fellowship |
| 3. | UGC-RGNF | UGC | Government |  | 01/04/16 | Fellowship |
| 4.  | IAPT- Best Poster Award | International Association for Plant Taxonomy | International |  | 21/11/15 | Award |

**Membership of Professional Bodies**

|  |  |  |  |
| --- | --- | --- | --- |
| **S.No** | **Type of Membership** | **Organization** | **Year of Membership (Start Date)** |
|  | Student | American Society of Plant Taxonomists (ASPT) | January, 2017 |
|  | Lifetime member | Delhi University Botanical Society | 2018 |