



## FACULTY PROFILE

|    |   |   |
|----|---|---|
| 1  | Name (In Block Letters):                    | <b>Dr. KARUNA GAUR</b>  |
| 2  | Father's /Mother's /Husband's name:         | DR. MULAYAM SINGH GAUR  |
| 3  | Subject (Department):                       | BOTANY  |
| 4  | Date of Birth                               | 11.11.1965  |
| 5  | Date Of Joining                             | 08-09-1995  |
| 6  | Current Designation & Grade Pay:            | Associate Professor<br>Grade Pay-9000   |
| 7  | Work Experience                             | 26 Years  |
| 8  | Address for correspondence (With Pin code): | B-156, Jawahar Nagar, Bharatpur, Rajasthan,<br>321001   |
| 9  | Whatsapp No                                 | 9414217129  |
| 10 | Email                                       | <a href="mailto:gaur.karuna@rediffmail.com">gaur.karuna@rediffmail.com</a>  |
| 11 | Acting Principal                            | Dated- 18.09.2020 to 19.09.2020 ( 02 Days)<br>24.12.2020 to 31.12.2021( 08 Days)<br>23.01.2021 to 24.01.2021 ( 02 Days) |

### **01. ACADEMIC QULIFICATIONS:**

|    |   |      |            |                           |
|----|---|------|------------|---------------------------|
| 01 | Year Award of Ph. D. degree   | 1994 | University | Agra University, Agra, UP |
|    | Topic – <b>Studies on mycoflora and mycotoxins associated with some important livestock fodders</b> |      |            |                           |
| 02 | Year Award of M. Phil. degree   | -    | University | -                         |
|    | Topic-  |      |            |                           |

### **02.ACADEMIC DISTINCTION/ HONOUR/AWARDS/ MEDALS/ Member:**

| Name of Award/ Medal/ Member      | Institution                                    | Year & date |  |
|-----------------------------------|--|-------------|--|
| 4 <sup>th</sup> Position in M.Sc. | Agra University, Agra, UP                      | 1987        |  |
| Best Teacher Award                | R.D. Govt. Girls College, Bharatpur, Rajasthan | 2010        |  |
| Best Teacher/ Worker Award        | R.D. Govt. Girls College, Bharatpur, Rajasthan | 2013        |  |

### **03. RESEARCH GUIDING EXPERIENCE:**

| M. Phil / Ph.D. | No. of Enrolled | No. of Thesis Submitted | No. of Degree Awarded |
|-----------------|-----------------|-------------------------|-----------------------|
| Ph.D.           | 01              | Work ongoing            |                       |

**Evaluation of Thesis entitled as “Studies on microbial changes, biodegradation of waste, nutritional status in vermicomposting and its standardization” 2011-2012**

#### 04. RESEARCH PROJECTS

| Title  | Agency | Period    | Grant/Amount Mobilized (Rs- Lakh) |
|--|--------|-----------|-----------------------------------|
| Mycological Survey of some commonly used fodder in relation to possible health hazards | UGC    | 2006-2008 | 50,000                            |
|  |        |           |                                   |

#### 05. BOOKS/ RESEARCH PAPERS PUBLISHED

| Title Of Books/ Research paper with Page Nos.  | Name of Publisher/ Journal                | ISSN/ISBN No.  | No. of Co- author/ Whether you are main author   |
|--|---|----------------|--|
| Computational interaction analysis of organophosphorus pesticides with different metabolic proteins in human. 25(5), 1-13 (2011)           | Elsevier Journal of Biomedical Research   | ISSN:1552-4965 | Amit K. Sharma, <b>Karuna Gaur</b> , R.K. Tiwari, Mulayam S. Gaur                        |
| Spontaneous Current Study in Wheat Starch Nano powder A 117,333-336 (2010)   | Acta Physica Polonica                     | ISSN:1898-794X | M.S. Gaur and <b>Karuna Gaur</b>   |
| Thermally Stimulated Current Analysis in Human Blood 20, 8-13 (2007)   | Trends in Biomaterial & Artificial Organs | ISSN:0971-1198 | M.S. Gaur, R.K. Tiwari, Prashant Shukla, Pooja Saxena, <b>Karuna Gaur</b> & Udita Tiwari |
| Effect of Annealing time on thermally stimulated current in Kidney samples 44, 751-753 (2006)  | Indian J. of Pure and Applied Physics     | ISSN:0975-1041 | M.S. Gaur, <b>Karuna Gaur</b> & Ranjeet Singh  |
| Aflatoxigenic isolates of <i>Aspergillus flavus</i> associated with some commonly used pulses 11(1-2), 45-47 (1994)                        | J. Mendel                                 |                | Seema Dixit, Ashwani Kumar, <b>Karuna Sengar</b> and Surendra Singh                      |
| Interfestation of mould flora and aflatoxin producing strains of <i>Aspergillus flavus</i> in wheat and paddy straws 10(2-4), 75-77 (1993) | J. Mendel                                 |                | <b>Karuna Sengar</b> , Ashwani Kumar and Surendra Singh                                  |
| Modern nanobiotechnologies for efficient detection and remediation of mercury (under review)   | Emerald Publisher USA/ Sensor Review      | ISSN:0260-2288 | Mulayam Singh Gaur, Rajani Yadav, Mamta Kushwah, Anna N. Berlina, <b>Karuna Gaur</b>     |

#### RESEARCH PAPERS PUBLISHED IN: -

Non-refereed but recognized and reputable journals and periodicals

| Assessment Years | Title with Page Nos.   | Name of journal  |
|------------------|--|------------------|
| 2012             | Fundamental Concepts of Bio-nanotechnology (Page No. 15- 16) | Prerna-(2011-12) |
| 2013             | Mycotoxins-An Overview (Page No. 18-20)                      | Prerna-2012-13   |
| 2018             | Carnivorous Plants (Page No. 86)                             | Prerna-(2018-19) |

**06. RESEARCH PAPERS PRESENTED (in Conferences/ Seminars/ workshops etc)**

| Title of Research Paper   | Title of Conference / Seminar  | Organised by with date  | Whether international /national / state/ regional / college or University | Presented/ Participated |
|---|--|---|---|-------------------------|
| Nanomaterials for Technology Developments International Conference  | Indo-Japan Seminar   | Department of Botany, R.D. Govt. Girls College, Bharatpur<br>29th October 2010                                    | International   | Participated            |
| POLYCHAR-19 World Forum on Advanced Materials   | POLYCHAR-19  | Nepal Polymer Institute & Tribhuvan University Kirtipur, Kathmandu, Nepal<br>20th – 24th March 2011               | International   | Participated            |
| Delivered the lecture entitled “Medicinal Plants in India: An Overview”   | Expert Lecture   | A.N. Bach Institute of Biochemistry of the Russian Academy of Sciences Moscow (Russia) 19th June 2014             | International   | Presented               |
| Gold Nanoparticles conjugated electrode for detection of heavy metals (Poster Presentation)   | 3rd International conference on Nanostructured Materials and Nanocomposites (ICNM 2015)                                  | Hindustan College of Science & Technology Farah, Mathura-281122 (U.P.) India<br>12th -14th December, 2015         | International   | Presented               |
| Convener of Mega Health Carnival An Educational Innovative Workshop   | Mega Health Carnival An Educational Innovative Workshop  | R.D. Girls Govt. College, Bharatpur (Raj.)<br>Sponsored By:<br>UGC (XII Plan)<br>11th -13th September 2017        | Regional  | Convener                |
| Green synthesis of AuNPs using <i>Aegle marmelos</i> fruit peel extract and study of photo-catalytic and antioxidant properties (Poster Presentation) | International conference on materials for Energy Applications ICME   | S.S. Jain Subodh P.G. (Autonomous) College, Rambagh Circle, Jaipur, Rajasthan, India<br>06th -08th December, 2018 | International   | Presented               |
| Online presentation on Biosensors   | GYAN GANGA State Level Training Programme under subject specific, Initiatives for Teaching-Learning Excellence in Botany | Commissionerate College Education Rajasthan<br>M.S.J. Govt. College, Bharatpur (Raj.)                             | State   | Presented               |
| Water Pollution   | Webinar on Environmental Issues & Challenges   | R.D. Girls Govt. College, Bharatpur (Raj.)  | State   | Presented               |
| Prakriti mei sendh lagata kaagaz  | Inter faculty conversation programme   | Organized by: R.D. Girls Govt. College, Bharatpur (Raj.)<br>Sponsored by:   | State   | Presented               |

|  |  |  |  |  |
|--|--|--|--|--|
|  |  | Commissionerate College<br>Education Rajasthan, Jaipur |  |  |
|--|--|--|--|--|

### **08. TRAINING PROGRAMME ATTENDED :**

| Name of the Course  | Sponsoring Agency  | Place   | No. of Days | From       | To         |
|---|--|---|-------------|------------|------------|
| Orientation/ Refresher  |  |   |             |            |            |
| Refresher Course  | UGC  | ASC Lucknow   | 20          | 27.11.2000 | 16.12.2000 |
| Refresher Course  | UGC  | UOR (ASC)<br>Jaipur   | 20          | 29.09.2003 | 18.10.2003 |
| Refresher Course  | UGC  | UOR (ASC)<br>Jaipur   | 20          | 17.07.2004 | 05.08.2004 |
| Training Programme on Orientation Course for NSS Programme Officers of Education Department                       | Training & Orientation Centre<br>National Service Scheme   | HCM Rajasthan,<br>State Institute of Public Administrative,<br>Jaipur | 10          | 21.07.2007 | 30.07.2007 |
| National Workshop on Science & Technology for Instrumentation in Soil Testing Facility                            | Department Of Science & Technology, Ministry of Science and Technology, Government of India, New Dehli | Raja Balwant Singh College,<br>Agra                                   | 01          | 23.03.2007 |            |
| The Art of Living: Youth leadership program (YLTP), Youth Empowerment Seminar (YES), Government Executive Program | Project of Youth Empowerment and mass mobilization for development of the state                        | R.D. Govt. Girls College,<br>Bharatpur,<br>Rajasthan                  | 06          | 31.08.2008 | 05.09.2008 |
| NSS: Officer's training program   | M.S.J. Govt. College,<br>Bharatpur, Rajasthan  | M.S.J. Govt. College,<br>Bharatpur,<br>Rajasthan                      | 02          | 23.01.2009 | 24.01.2009 |
| National Symposium/Workshop on New Trends of Biosensor Technology (NSNTBT-2009)                                   | Department of Science & Technology Government of India, New Delhi                                      | Hindustan College of Science & Technology Farah,<br>Mathura (U.P.)    | 03          | 17.01.2009 | 19.01.2009 |
| All India Sanskrit Seminar  | UGC  | R.D. Govt. Girls College,<br>Bharatpur,<br>Rajasthan                  | 02          | 14.02.2009 | 15.02.2009 |
| Seminar on Global Environment & Ozone Conservation  | ECO-Club & National Environmental Science Academy (NESA)   | R.D. Girls College,<br>Bharatpur (Raj.)                               | 01          | 16.09.2010 |            |
| 38 <sup>th</sup> RGA National Conference Wet Land Conservation and Resource Management                            | Rajasthan Geographical Association   | Department of Geography, M.S.J. Govt. College,<br>Bharatpur (Raj.)    | 03          | 17.12.2010 | 19.12.2010 |
| National Conference on Forest and wildlife: Present Status, Future Needs and Challenges Ahead                     | UGC and Co-Sponsored by Forest Department, Bharatpur (Raj.)  | R.D. Girls Govt. College,<br>Bharatpur (Raj.)                         | 02          | 30.01.2013 | 31.01.2013 |
| National Seminar on New Frontiers in Organic Farming in Sustainable and Environment Friendly Development          | Department of Higher Education, Lucknow, (U.P.)  | Department of Botany, B.S.A. College, Mathura (U.P)                   | 02          | 16.02.2013 | 17.02.2013 |

|  |   |  |    |            |            |
|--|---|--|----|------------|------------|
| National Conference/Workshop on Synthesis, Characterization and Application of Advanced Nanomaterials (NCSCAAN-2014)       | Hindustan College of Science & Technology, Mathura (U.P.)   | Hindustan College of Science & Technology, Mathura (U.P.)                                    | 03 | 17.01.2014 | 19.01.2014 |
| National Conference on Environment: Ancient and Modern Perspective & Annual Meeting of Society for Science and Environment | UGC   | Department of Zoology, M.S.J. Govt. College, Bharatpur (Raj.)                                | 03 | 04.12.2014 | 06.12.2014 |
| National Workshop on Biomedical Instruments & Technologies (NWBIT-2015)  | Department of Zoology, Centre for Advanced Studies, University of Rajasthan, Jaipur                                   | Department of Zoology, Centre for Advanced Studies, University of Rajasthan, Jaipur          | 02 | 13.03.2015 | 14.03.2015 |
| 3 <sup>rd</sup> International Conference on Nanostructured Materials and Nanocomposites (ICNM 2015)                        | Hindustan College of Science & Technology, Farah, Mathura (U.P.)  | Hindustan College of Science & Technology, Farah, Mathura (U.P.)                             | 03 | 12.12.2015 | 14.12.2015 |
| Workshop on Encouraging Research & Strengthening Quality Education   | Higher Education Academy for Research & Training (HEART) Cell Commissionerate of College Education, Rajasthan, Jaipur | R.D. Girls Govt. College, Bharatpur (Raj.)   | 02 | 22.02.2016 | 23.02.2016 |
| 10 <sup>th</sup> All India Student's Conference on Science and Spiritual Quest (AISSQ)                                     | Bhaktivedanata Institute, Kolkata & Hindustan College of Science & Technology, Mathura (U.P)                          | Bhaktivedanata Institute, Kolkata & Hindustan College of Science & Technology, Mathura (U.P) | 02 | 08.10.2016 | 09.10.2016 |
| National Research Seminar on Professional Values and Value based education   | Shaikshik Manthan Sansthan, Jaipur and RUCTA (R)  | M.S.J. Govt. College, Bharatpur (Raj.)   | 01 | 15.12.2016 |            |
| National Seminar on Philosophy of Rajendra Swaroop Bhatnagar   | ICPR, Govt. of India, New Delhi   | Department of Philosophy, M.S.J. Govt. College, Bharatpur (Raj.)                             | 02 | 27.01.2017 | 28.01.2017 |
| National Science Day (Seminar & Extension Activity)  | M.S.J. Govt. College, Bharatpur (Raj.) & Vigyan Bharati, Rajasthan, Jaipur  | M.S.J. Govt. College, Bharatpur (Raj.)   | 02 | 27.02.2017 | 28.02.2017 |
| International conference on materials for Energy Applications ICME   | Department of Science & Technology and Ministry of New and Renewable Energy   | S.S. Jain Subodh P.G. (Autonomous) College, Rambagh Circle, Jaipur, Rajasthan, India         | 03 | 06.12.2018 | 08.12.2018 |
| GYAN GANGA State level online one-week short term course   | Commissionerate College Education Rajasthan   | Department of Botany, Samrat Prithvi Raj Chauhan Government                                  | 06 | 01.02.2021 | 06.02.2021 |

|  |                 |                 |    |            |            |
|--|-----------------|-----------------|----|------------|------------|
|  |                 | College Ajmer   |    |            |            |
| HCM RIPA<br>Online training on Ethics and Values in life with excellence in administration | HCM RIPA Jaipur | HCM RIPA Jaipur | 03 | 17.03.2021 | 19.03.2021 |

**10. Member/ Life Member of SOCIETY / ORGANIZATIONS:**

| Name of the Society/ Intitution | Member /Life Member | Place            | From | To |
|---------------------------------|---------------------|------------------|------|----|
| Nano & Molecular Society        | Life Member         | New Delhi, India |      |    |
| Vigyan Bharti Rajasthan         | Life Member         | Jaipur, India    |      |    |

| LIST OF PH-D. SCHOLARS REGISTERD IN UNIVERSITY OF MSBU, Bharatpur, Rajasthan UNDER THE SUPERVISSION OF Dr. Karuna Gaur |   |   |              |
|--|---|---|--------------|
| S. No.   | Name of Research Scholars with Registration No. | Title of Research work                                | Status       |
| 01   | Smt. Lata Sharma<br>19/02/2018                  | Effect of Electric Field on germination of crop seeds | Work ongoing |
| 02   |   |   |              |
| 03   |   |   |              |



Place : **Bharatpur**  
Date : 10.07.2021

(DR. KARUNA GAUR )