**BIODATA**

**DR. MANISHA GAUTAM**

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**Dr. Manisha Gautam** was awarded Ph.D. degree in March 2017 from Babasaheb Bhimrao Ambedkar Central University, Lucknow, (U.P.). She was appointed as Assistant Professor (Guest) in BBAU from 2017-2019. She is working as Assistant Professor, Department of Chemistry, Dayanand Anglo-Vedic P.G. College Kanpur from March 2019.

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| **CAREER** | | | |
| **From** | **To** | **Post** | **Institute** |
| 23/ 03/2019 | Till date | Assistant Professor | Dayanand Anglo-Vedic P.G. College, Kanpur, U.P. |
| 18/07/2017 | 19/03/2019 | Assistant Professor  (GUEST) | Babasaheb Bhimrao Ambedkar Central University, Lucknow, U.P. |
| 27/08/2012 | 10/03/2017 | Research Fellow | Babasaheb Bhimrao Ambedkar Central University, Lucknow, U.P. |
| 2011 | 2011 | UGC-CSIR NET/JRF | Council of Scientific and Industrial Research (CSIR), New Delhi |

* **DETAILS OF EDUCATIONAL QUALIFICATION**

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| **EDUCATIONAL QUALIFICATION** | | | | |
| **SI. No.** | **Years** | **Name of Degree** | **Field/ Subject** | **Institute/University** |
| 1. | 2001 | High School | Hindi, English, Math, Science, social science, sanskri | UP Board, Allahabad |
| 2. | 2003 | Intermediate | Hindi, English, Physics,  Chemistry, Biology | UP Board, Allahabad |
| 3. | 2006 | B.Sc. | Chemistry, Zoology, Botany | CSJM University, Kanpur |
| 4. | 2008 | M.Sc. | Chemistry | CSJM University, Kanpur |
| 5. | 2009 | M. Phil. | Polymer Science | CSJM University, Kanpur |
| 6. | 2017 | Ph.D. | Physical Chemistry | BBA Central University, Lucknow |

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| **LIST OF PUBLICATIONS** | |
| 1. | Physico-chemical analyses to assess the quality of distillery effluents at Unnao.  R. Saxena, D.P. Rao, A.K. Gautam, **M. Gautam,** G.P. Gupta, S. Kumar, C.P. Singh, V. Shankar, Y. Gautam  *Biointerface Research in Applied Chemistry*, ISSN 2069-5837, 14(2),38, 1-12, 2024  DOI: <https://doi.org/10.33263/BRIAC142.038>  Web of Science, Scopus (Elsevier) |
| 2. | Correlation coefficient for physico-chemical parameters to assess the quality of tannery effluents at Kanpur.  R. Saxena, D.P. Rao, A.K. Gautam, **M. Gautam**, G.P. Gupta, S. Kumar, V. Saxena, C.P. Singh, V. Shankar, Y. Gautam  Letters in Applied NanoBioScience, ISSN: 22846808, 13(1), 47, 1-12, 2024  DOI: <https://doi.org/10.33263/LIANBS131.047>  Scopus (Elsevier) |
| 3. | Recent development of biodegradation techniques of polymer.  Aadrsh Kumar Tiwari, **Manisha Gautam** and Hardesh K Maurya  International journal of Research- Granthalaya, ISSN: 2350-0530, 06, 414-452, 2018  DOI: <http://dx.doi.org/10.5281/zenodo.1311065> |
| 4. | Development of inexpensive biosorbents from de-oiled mustard cake for eﬀective removal of As(V) and Pb(II) ions from their aqueous solutions.  Kaman Singh and **Manisha Gautam**  Journal of Environmental Chemical Engineering, ISSN: 2213-3437, 5, 4728-4741, 2017  DOI: <https://doi.org/10.1016/j.jece.2017.09.011>  Web of Science, Scopus (Elsevier) |
| 5. | Development of Inexpensive Adsorbent from Agro-Waste for Phenol Adsorption.  K Singh, B Chandra and **M Gautam**  Journal of Scientific & Industrial Research, ISSN: 0022-4456, 75, 444-451, 2016  DOI:  UGC-CARE List |
| 6. | Removal of Pb(II) from its aqueous solution by activated carbon derived from Balam Khira (*Kigelia Africana*).  Kaman Singh, **Manisha Gautam**, Bhuwan Chandra and Ajay Kumar  Desalination and Water Treatment, ISSN: 1944-3994, 57, 24487-97, 2016  DOI: 10.1080/19443994.2016.1141328  Scopus (Taylor & Francis) |
| 7. | Synthesis, Characterization and Application of Cu-TiO2 Nanaocomposites in Photodegradation of Methyl Red (MR).  Azad Kumar, Gaurav Hitkari, **Manisha Gautam**, Sandhya Singh and Gajanan Pandey  International Advanced Research Journal in Science, Engineering and Technology ISSN: 2394-1588, 02, 50-55, 2015  DOI: [10.17148/IARJSET.2015.21208](http://dx.doi.org/10.17148/IARJSET.2015.21208)  UGC-CARE List |
| 8. | Synthesis of NiTiO2 Nanocomposites and Photocatalytic Degradation of Oxalic Acid in Waste Water.  Azad kumar, Gaurav Hitkari, Sandhya Singh, **Manisha Gautam** and Gajanan Pandey  International Journal of Innovative Research in Science, Engineering and Technology, ISSN: 2319-8753, 04, 12721-31, 2015  DOI: [10.15680/IJIRSET.2015.0412097](http://dx.doi.org/10.15680/IJIRSET.2015.0412097)  UGC-CARE List |

* DETAILS OF BOOK CHAPTERS PUBLISHED:

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| **Sl. No.** | **Title with page nos.** | **Book Title, editor & publisher** | **ISSN/ISBN No.** | **No. of co-authors** | **Whether you are the main author** |
| 1. | Activated carbon derived from Balam Khira (Kigelia Africana) used for removal of Pb(II) from its aqueous solution | Recent trends in chemical sciences and environmental science | 978-81-952529-9-2 | 01 | Yes |
| 2. | Role of probiotic milk in human health | Recent trends in chemical sciences and environmental science | 978-81-952529-9-2 | 01 | No |

* DETAILS OF PAPERS PRESENTED IN INTERNATIONAL CONFERENCES/ SEMINAR:

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| **Sl. No.** | **Title of the Lecture/ Academic session** | **Title of Conference/ Seminar etc.** | **Organized by** | **Whether International/ National/State/ University level** |
| 1. | TFG mucilage: A flocculant for removal of Phosphate ion from their aqueous solution | Chemistry and Material Prospects and Perspectives (ICCMPP) 2012 | Department of Applied Chemistry, BBA University, (A Central University) Lucknow | International |
| 2. | Role of probiotic milk in human health | Advances in Bio- & Nano- materials (ISABNM) 2013 | Department of Physics, Lucknow University | International |
| 3. | - | Environmental Technology and Sustainable Development: Challenges & Remedies 2014 | Department of Environmental Science, BBA University, Lucknow | International |
| 4. |  | Nanoscience and Nanotechnology (ICNN) 2017 | Department of Applied Physics, BBA University, (A Central University) Lucknow | International |
| 5. | Removal of metal ions from their aqueous solutions using *Kigelia Aricana* as an eco-friendly biosorbents | Indian Science Congress-2017 | S.V. University, Trupathi, | International |
| 6. | Molybdenum in Natural Science | Application of Elements of Periodic Table in Natural Sciences | Christ Church College, Kanpur N0v. 14-15, 2019 | National |
| 7. | Uses of Science & Technology in Rural Development | Science & Technology for Indigenous Development: Rural Development | ISCA, Kanpur Chapter, CSJM University, DAV College & D.G. College, Kanpur Dec. 03-04, 2019 | National |
| 8. | About Analytical Chemistry | Recent Advances Techniques in Analytical Chemistry | UPDHE/Dept. of Chemistry, D.G. College, Kanpur Jan.16-17, 2020 | National |
| 9. | Pollution and Green Chemistry | Waste Management: Role of Chemistry | UPDHE/Dept. of Chemistry, D.A-V. College, Kanpur Jan.22-23, 2020 | National |
| 10. | Inexpensive biosorbent from mustard cake for removal of studied ions | International Conference on Chemical and Biological Science (ICCBS) 2024 | Dept. of Chemistry, Atma Ram Sanatan Dharma College, University of Delhi, 27-29 Jan 2024 | International |

* DETAILS OF PAPERS PRESENTED IN VARIOUS NATIONAL CONFERENCES/ SEMINAR:

1. **Manisha Gautam**, Participated one day **National Seminar** on “**Never Trends in Physico-chemical Techniques**” organized by Department of Chemistry, University of Lucknow, Lucknow.
2. **Manisha Gautam** and Kaman Singh, **“Synthesis & characterization of low cost adsorbents for removal of Cd(II) from aqueous solution”** Participated and presented paper in national conference on **“ National Conference on the Current Trends in Computational Methods in Science &Engineering (CTCM-2013),** Organized by Govt. Model Science College, Jiwaji University, Gwalior.
3. **Manisha Gautam** and Kaman Singh, Participated and presented paper in titled **“Synthesis, characterization and adsorption studies for adsorbent synthesized from waste fruit of yellow oleander”** in **“8thNational Conference on Thermodynamics of Chemical, Biological and Environmental Systems-2013 (TCBES-13)** November 25-26, 2013 Organized by Department of Applied Chemistry, BBA University, (A Central University) Lucknow.
4. **Manisha Gautam** and Kaman Singh, Participated and presented paper in titled **“Trigonilla foenum-graecum mucilage: a flocculant for removal of so4-2 ion from wastewater”**in 2ndLucknow Science Congress (LUSCON-2014) from 27-28 March 2014 organized by BBA University, Lucknow.
5. **Manisha Gautam** and Kaman Singh, **“Activated carbon derived from *Terminaliaarjuna*”**Participated and presented paper in national conference on **“ National Conference on the Frontiers of Chemical Sciences and Potential Interfaces (FCSPI-2015), 10-11 April 2015** Organized by School of Chemical Sciences, University of Gujarat, Gujarat.
6. **Manisha Gautam** and Kaman Singh, Participated and presented paper on**“Synthesis and characterization of activated carbon derived from Kigelia Africana fruits (KAF) and its use for removal of specific metal ions from aqueous solution”** in National Symposium on **“Innovative Methods in Chemistry Education (IMCE-2015) 8-10 October,** Organized by Department of Chemistry, University of Lucknow in collaboration with DST (Purse) Programme and Association of Chemistry Teachers.
7. Kaman Singh and **Manisha Gautam**, Participated and presented paper on **“Development of inexpensive adsorbent from de-oiled mustard cake effective removal of As(V) and Pb(II) ions from their aqueous solutions”** in national conference on **“National Conference on Food Safety and Consumer Awareness Feb 2016”** Organized by Department on Food Processing and Food Technology, University of Lucknow, Lucknow.
8. **Manisha Gautam**, Participatedin two day national symposium on **“ The contribution of Babasaheb Ambedker for Development of Modern India April 2016”** organized by BBA University (A Central University), Lucknow, UP
9. **Manisha Gautam** and Sudhir KumarVerma, Participated and presented paper in titled **“TFG mucilage: A flocculant for removal of Phosphate ion from their aqueous solution”** in **International conference on Chemistry and Material Prospects and Perspectives-2012** (ICCMPP-2012) Organized by Department of Applied Chemistry, BBA University, (A Central University) Lucknow.
10. **Manisha Gautam** and Kaman Singh, Participated and presented paperin **“International Seminar on advances in Bio- & Nano- materials”** organized by Department of Physics, Lucknow University on 17 November 2013.
11. **Manisha Gautam** and Kaman Singh, Participated and presented paperin International Conference on **“Environmental Technology and Sustainable Development: Challenges & Remedies”** 21-23 Feb 2014 organized by BBA University, Lucknow.

* DETAILS OF CAREER ADVANCEMENT COURSES

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| **Sl. No.** | **Nature of work done** | **Institute/ University** | **Course Duration** |
| 1. | Orientation Programme | UGC-HRDC Deen Dayal Upadhya University, Gorakhpur | 02 Feb to 03 March 2021 |
| 2. | Refresher Course | UGC-HRDC University of Lucknow, Lucknow | 15 Nov to 30 Nov 2021 |

* Participated in the National Workshop on **“Innovation and Technology Transfer to Industries: Role of University”** ITTI 2014, 10-11 march 2014, organized by Babasaheb Bhimrao Ambedkar Central University, Lucknow, Uttar Pradesh.
* Participated **in the Training Programme** (01 April 2015 to 30 June 2015) organized by **Biotech Park**, Lucknow to working and analysis in atomic adsorption spectrophotometer (AAS).