**Assistant Professor ( Dr. Shivani )**

**Personal Information**

**Date of Birth :** 18/06/1992

**Father Name :** Sh. Vinod Kumar Jakhar

**Designation :** Assistant Professor

**Qualification :** M.Sc., Net, Ph.D.

**College :** GC Birohar, Jhajjar

**Date of Joining :** 12.07.2018

**Experience :** 6.5 Years Teaching Experience

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**Research papers published in Journals or Conference proceedings:**

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| **Sr. No.** | **Title of Research Paper** | **Journal, Volume, Year, Page Numbers** | **Whether refereed/ conference**  **proceeding** | **ISSN/ISBN**  **No.** | **Whether first/principal/ Co- author/**  **supervisor** |
| 1. | Novel one Step hydrothermal synthesis of cubic Ia3d large pore 3D mesoporous In2O3/KIT-6 hybrid nanocomposite with humidity sensing applications | Journal of Porous Materials, 27,2020, 1253-1263 | Yes, SCOPUS and UGC-Care listed | 1380-2224 | First author |
| 2. | Facile hydrothermal synthesis of mesoporous WO3/KIT-6 nanocomposite depicting great humidity sensitive properties | Materials Research Innovations, 26, 2022, 203-213 | Yes, SCOPUS and UGC-Care listed | 1432-8917 | First author |
| 3. | One step hydrothermal synthesis of Fe2O3/KIT-6 nanocomposite as highly responsive humidity sensor | Journal of Porous Materials, 31, 2024, 1763-1775 | Yes, SCOPUS and UGC-Care listed | 1380-2224 | First author |
| 4. | One pot Hydrothermal Synthesis of ordered mesoporous SnO2/SBA-16 nanocomposite | Journal of Porous Materials, 26, 2019, 553-560 | Yes, SCOPUS and UGC-Care listed | 1380-2224 | Co-author |
| 5. | Enhanced antimicrobial properties of bioactive glass using strontium and silver oxide nanocomposites | Journal of Asian Ceramic Societies, 07, 2019, 75-81 | Yes, SCOPUS and UGC-Care listed | 2187-0764 | Co-author |
| 6. | Mode of Materials, Technology and Devices chapter in book titled Handbook if smart materials, technologies and devices | Springer Nature, Springer International Publishing, Cham, 2021, 1-21 | Yes, SCOPUS and UGC-Care listed | 978-3-030-58675-1 | First-author |

**Refresher Course, methodology workshops, Training, Teaching-Learning-Evaluation Technology Programmes, Soft skills development Programmes, faculty Development Programmes:**

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| **Sr.**  **No.** | **Programme** | **Duration** | **Organized by** |
| **1.** | **Orientation Course** | **21 days** (14th May 2019 to 3rd June 2019) | BPSMV, Khanpur |
| **2.** | **Refresher Course** | **1.** **Two Week** 30th Jan to 14th FEB 2021  **2. Two Week** 14th to 28th July 2021  **3**.**Two Week** 29th Nov to 13th Dec. 2022 | 1.TLC Ramanujan College, University of Delhi  2. TLC Ramanujan College, University of Delhi  3. TLC Ramanujan College, University of Delhi |
| **3.** | **E content Development Under UGC Scheme of 'PARAMARSH'** | **1.Two Day**  1st -2nd July 2020 | Directorate of Higher Education, Haryana |
| **4.** | **Faculty Development Programme /Workshops** | **1.One Day**  15th may 2020  **2.One day**  12th June 2020  **3.Two Week** 25th May to 5th June 2020  **4.One Week** 2nd to 8th August,2020  **5.Two week** 25th July to 10th Aug 2020  **6.** 21-31 Dec. 2022  7. 26 Jan 2024 | 1.SGTB Khalsa College, University of Delhi  2. SGTB Khalsa College, University of Delhi  3.TLC Ramanujan College, University of Delhi  4.Govt. PG College, Bilaspur, Rampur (UP)  5. TLC Ramanujan College, University of Delhi  6. IGNOU, New Delhi  7. Mission Karamyogi Haryana |

**Participation and Papers presented in Conference/ Seminars / Workshop/ Symposia etc.**

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| **Sr. No.** | **Title of the paper presented** | **Presented by** | **Title of the**  **Conference/Seminar etc. & Organizer** | **Date (s) of the Event** | **International/ National/ State Level** |
| 1. | Hydrothermal Preparation of nanocomposite | Dr. Shivani | Department of Chemistry, Arya P.G. College, Panipat | 09-10th November 2019 | International |
| 2. | Role of metal oxide doped nanocomposite of mesoporous silica in humidity sensing | Dr. Shivani | GC Birohar (Jhajjar) | 10th Sept. 2022 | National |
| 3. | One route aqueous synthesis of 3D cubic mesoporous iron KIT-6 nanocomposite with incorporating Hydrothermal methodology | Dr. Shivani | MDU, Rohtak | 29th Sept. 2023 | National |
| 4. | One route aqueous synthesis of 3D cubic mesoporous Gd2O3 KIT-6 nanocomposite with incorporating Hydrothermal methodology | Dr. Shivani | SUS Govt. College Matak Majri | 22nd March 2024 | International |
| 5. | One route aqueous synthesis of 3D cubic mesoporous KIT-6 nanocomposite with incorporating Hydrothermal methodology | Dr. Shivani | Department of Chemistry, MDU Rohtak | 21-22 Nov. 2024 | International |