Curriculum Vitae

Full Name:	DR. PAWAN KUMAR		
Designation:	Assistant Professor		
Department:	Chemistry		
Campus:	Srinagar (Garhwal), Uttarakhand, India		
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Education Qualification:	M.Sc., Kurukshetra University Kurukshetra (Haryana), 2008. M.Phil, Maharishi Markandeshwar University, Mullana-Ambala (Haryana), 2009 Ph.D., National Institute of Technology, Kurukshetra (Haryana), 2021.		
Teaching Experience:	1.1 Years	**Research Experience:** **Post Doc**	0 Years

Research Interest and Fields of Specialization

1. Chemical sensors and Molecular recognition
2. Photochemistry and Fluorescent probes
3. Chemical and Isotopic approaches to Groundwater studies
4. Physical chemistry

Honours & Awards

1. CSIR-Senior Research Fellowship
2. TEQIP-II & III Fellowship

Member of Academic Institutions

NIL

Membership of Scientific Organizations

NIL

Research Supervision (No. of Ph.D. Degree Awarded/Submitted/Registered)

NIL

Research Projects/ MoU undertaken (Title, Funding Agency, Total Cost, Completed/Ongoing)

NIL

Administrative Experience

NIL

Scientific Visits Abroad/ International Collaboration

NIL

Conference/Symposium/Workshop Attended during last five years (2017-2022)

International

1. Presented paper in Recent Trends in Material Science and Technology (ICMST-2018) jointly organized by the Indian Institute of Space Science and Technology, Thiruvananthapuram and Materials Research Society of India, Thiruvananthapuram, Kerala, October 10-13, 2018.

2. Presented paper in Advances in Analytical Sciences (ICAAS -2018) jointly organized by Indian Society of Analytical Scientists, Delhi Chapter & CSIR- Indian Institute of Petroleum, Dehradun, Uttarakhand, March 15-17, 2018.

3. Presented paper in Multifunctional Materials: Analytical Techniques and Diverse Applications (MMAD -2018) organized by Department of Chemistry, NIT Kurukshetra, Haryana, January 20, 2018.

National

1. Participated in National Faculty Development Programme on "Recent Innovations and Research Breakthroughs in Science" organized by the School of Sciences, IFTM University, Moradabad (Uttar Pradesh), February 21-25, 2022.

2. Participated in workshop on "Research Methodology and applications in Science and Engineering" organized by the Department of Mathematics, School of Sciences, IFTM University, Moradabad (Uttar Pradesh), February 04, 2022.

3. Attended workshop on "NMR Operation, Handling of Hardware and Software Processing" organized by CSIR- Institute of Microbial Technology, Chandigarh, August 20-21, 2018.

4. Presented paper in Molecules and Materials (MMT -2018) organized by the Department of Chemistry, NIT Kurukshetra, Haryana, February 17, 2018.

5. Attended GIAN course on "Vibrational Spectroscopy and Molecular Vibrations" organized by the Department of Chemistry, NIT Kurukshetra, Haryana, January 15-19, 2018.

6. Attended workshop on "Molecules & Materials Technology: Interface with R&D and industries (MMT-2017)" organized by the Department of Chemistry NIT Kurukshetra, Haryana, March 21-26, 2017.

Conference/Symposium/Workshop Organized during last five years (2017-2022)

NIL

Publications during last five years (2017-2022)

Journals

1. Detection and discrimination of water (H_2O) and heavy water (D_2O) by an off-the-shelf fluorescent probe, Gadiyaram Srushti, Kumar Pawan, Singh Ajeet and D. Amilan Jose, Microchemical Journal, 176, 107244, 2022 (I.F = 5.304).

2. Chemical Sensors for Water Detection in Organic Solvents and their Applications, Kumar Pawan, Ghosh Amrita. and D. Amilan Jose, Chemistry Select, 6, 820-842, 2021 (I.F = 2.307).

3. Naked Eye Detection of Moisture in Organic Solvents and Development of Alginate Polymer Beads and Test Cassettes as a Portable kit, Kumar Pawan and D. Amilan Jose, Analytica Chimica Acta, 1136, 178-186, 2020. (I.F = 6.911).

4. Simple Iron (III) Complex Based Highly Sensitive Fluorescent Off-On Sensor for the Detection of Trace Amount of Water in Organic solvents and Edible Oilseeds, Kumar Pawan, Gadiyaram Srushti and D. Amilan Jose, Chemistry Select, 5, 10648-10655, 2020, (I.F = 2.307).

5. A simple colorimetric sensor for the detection of moisture in organic solvents and building materials: applications in rewritable paper and fingerprint imaging, Kumar Pawan, Ghosh Amrita and D. Amilan Jose, Analyst, 144, 594-601, 2019, (I.F= 5.227).

6. Dual Colorimetric Sensor for Picric acid and Pyrophosphate: Practical Application for Molecular Logic Gates, Kumar Pawan, Arya Dheeraj, Nain Deepak, Singh Ajeet, Ghosh Amrita and D. Amilan Jose, Dyes and Pigments, 166, 443-450, 2019, (I.F = 5.122).

7. Allosteric Regulation in Carbon Monoxide (CO) Release: Anion Responsive CO-Releasing Molecule (CORM) Derived from (Terpyridine)phenol Manganese Tricarbonyl Complex with Colorimetric and Fluorescence Monitoring, Sakla Rahul, Singh Ajeet,

Kaushik Rahul, Kumar Pawan, and D. Amilan Jose, Inorganic Chemistry, 58, 10761-10768, 2019, (I.F= 5.436).

8. Reversible Colorimetric Sensor for Moisture Detection in Organic Solvents and Application in Inkless Writing, Kumar Pawan, Sakla Rahul, Ghosh Amrita, and D. Amilan Jose, ACS Applied Materials & Interfaces, 9, 25600-25605, 2017, (I.F = 10.383).

Proceedings
NIL
Books
NIL
Total Number of Research Publications: Eleven (11)