

**NAME OF THE DEPARTMENT: DEPARTMENT OF CHEMISTRY**

**Name of the Faculty: Dr ASHA S KUMAR.**

<b>DETAILED FACULTY BIODATA</b>		
<b>Sl No</b>	<b>Name</b>	Dr Asha S Kumar
<b>1.</b>	<b>Designation</b>	Associate Professor
<b>2.</b>	<b>Department</b>	Chemistry
<b>3.</b>	<b>Contacts Numbers</b>	9048529126
<b>4.</b>	<b>Email</b>	<a href="mailto:ashaskumarp@gmail.com">ashaskumarp@gmail.com</a>
<b>5.</b>	<b>Date of Entry into service</b>	<b>06/12/2004</b>
<b>6.</b>	<b>Educational Qualifications</b>	<b>MSc, B. Ed, M. Phil, Ph. D</b>
<b>7.</b>	<b>Areas of Interest/Specialisation</b>	<b>Inorganic Chemistry</b>
<b>8.</b>	<b>Courses/subject Taught</b>	<b>Inorganic, Organic, Physical Chemistry</b>
<b>9.</b>	<b>Field of Research</b>	<b>Inorganic Chemistry</b>
<b>10.</b>	<b>Guideship Details</b>	Approved guide of University of Kerala
<b>11</b>	<b>Experience</b>	19 yrs, 7 months
<b>12.</b>	<b>Memberships in Learned Bodies/Societies, If any</b>	<b>Member of Academy of Chemistry Teachers</b>
<b>13.</b>	<b>Scholarship/Fellowships obtained</b>	NA
<b>14.</b>	<b>Books Published</b>	NA
<b>15.</b>	<b>Research Projects Undertaken</b>	UGC Minor research project in 2011
		Attended 1 orientation course

16.	<b>Orientation courses Attended</b>	
17.	<b>Refresher Courses Attended</b>	Attended 3 refresher courses
18.	<b>Seminars/workshops/Trainings organized</b>	NA
19.	<b>Seminars/Conferences Attended</b>	
20.	<b>Workshops/Trainings/Short term courses/Professional Development Courses Attended</b>	Attended 2 short term courses
21.	<b>Academic Responsibilities Undertaken</b>	<b>1.Senior Additional Superintendent of University Examination for 2 years</b> <b>2.Convenor of various clubs</b> <b>3.Chairperson for MSc examination</b> <b>4.Deputy Chairperson at the Trivandrum valuation camp</b> <b>5.Question paper setter for Kerala Public Service Examinations, other Universities and Autonomous institutions</b>

**List of Publications & Presentations**

**Papers Published:**

- (1) Thermal Decomposition Studies of Lanthanide (III) complexes of diethylene triaminepentaacetic Acid, Asuab Journal of Chemistry, vol 20, No 7, 2008.**
- (2) Thermal Decomposition Studies of Lanthanide (III) complexes of EDTA, Asian Journal of Chemistry, vol 20, No 6, (2008).**
- (3) Domain Analysis and Structural characterisation of Bromidomain 8 (BRD8)- Functional Implications and Importance as a drug target in Cancer Research, Biological Forum- An international Journal, 15(5a), 2023.**
- (4) Nipping the Shape of the Nanosilver through Bio-Based Capping Strategy and Studies on their Electrocatalytic Performance Using Electrochemistry, Journal of the Electrochemical Society, 2021.**
- (5) Exploring the role of Moringa oleifera in Food science and Nutrition, Ijfans International Journal of Food and nutritional Sciences, vol 11, 2022.**
- (6) Tuning of iron vanadate by bismuth doping to improve galvanic zinc coatings for high corrosion resistance and NIR reflectance, Journal of Industrial and Engineering Chemistry, 2024.**
- (7) Development of microstructurally tuned zinc phosphate coating containing bismuth-doped iron vanadate (BFV) with high NIR reflectance, corrosion resistance and thermal shielding, Surfaces and Interfaces, 45, 2024.**
- (8)**

**Papers Presented:**

- (1) .....NA.....**