



**ISLAMIC UNIVERSITY OF SCIENCE & TECHNOLOGY**  
**AWANTIPORA, KASHMIR**

**DEPARTMENT OF CHEMISTRY**

**(M.Sc. Chemistry IV Semester Batch-2016)**

<b>Name of Supervisor</b>	<b>Title of Project</b>	<b>Name of Student</b>
Dr. Aabid Hussain Shalla	Modification of hydrogelss by Grapheme oxide based for efficient Dye Removal from waste Waters	Henna Sajad Irma Aijaz Mehnaz Ayoub Shayasta Rahim
Dr. Aabid Hussain Shalla	Modification of hydrogelss by Grapheme oxide based for efficient Dye Removal from waste Waters	Nayeema Gull Ishrat Amin Azra Bashir Suriya Ahmad
Dr. Sheikh Abdul Majid	Synthesis, complexation and theoretical studies of multidonar ligand	Mymoona Akther Shazia Farooq Paul Hashim Majeed Paray Romey Ayoub
Dr. Nisar Ahmad Malik	Drug-biosurfactant and Dye- Surfactant interactions in aqueous medium	Ishrat Fatma Syed Lubna Nazir Modh Azharuddin Musharaf Ashraf Hilal Ahmad
Dr. Manzoor Rather	Extraction and Chemical Characterization of essential oils from some aromatic plants	Saira Wani Saika Tariq Waseem Rasool Khushbu Shafi
Dr. Muzzaffar A. Bhat	Synthesis, complexation and theoretical studies of (Imines) Schiff base compounds.	Hashmi Rashid Subayah Gul Ruksana Banoo Shah Afrooza Ashraf

Sd/-

**Dr. Aabid Hussain Shalla**  
**Head Department of Chemistry**



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<b>Name of Supervisor</b>	<b>Title of Project</b>	<b>Name of Student</b>
Dr. Manzoor A. Dar	Ligand effect on structure and electronic properties of silver cluster	Anjum Rasool Fehmeeda Bashir Ishfaq Ahmad Dar
Dr. Sheikh Abdul Majid	Experimental and Computational study of some novel Carboxylate based Schiff base ligands	Saima Ashraf Aabida Amin Waheeda Akhter
Dr. Nisar A. Malik/ Dr Aabid H. Shalla	Extraction of natural dye-Mawal and spectroscopic investigation of its interaction with bovine serum albumin and bile salts	Aabid Majeed Rather Aadil Ahmad Wani Sabreena Dilkash Sabiha Masoodi
Dr. Manzoor A. Rather	Extraction , isolation and Characterization of some simple natural products by using different spectroscopic techniques	Takeen Khurshid Noor-ul-Saba Sham-sun-Nisa
Dr. Muzzaffar A. Bhat	Synthesis, crystallographic analysis and molecular docking studies of pharmaceutically active Schiff base compounds of Novel carbazates	Gazalee Farooq Rukiya Rasool Kawsar Nazeer
Dr. Sajad A. Bhat	Synthesis of azo-derivative based calorimetric and fluorescent sensors	Zahida Banoo Muneeba Nabi Zeenat Jahan
Dr. Murguail G	Synthesis Characterization and solvatochromic effect of organic bioactive molecules	Ahmad Illahie Zahid Mustaq Bhat Kaleema Kaleema Aziz

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<b>Name of Supervisor</b>	<b>Title of Project</b>	<b>Name of Student</b>
Dr Aabid H Shalla	pH responsive hydrogels: A smart delivery system for Anticancer drugs	Raja Ajaz Ifrah Showket Gowher Jan
Dr. Manzoor A. Dar Dr. Muzzaffar A. Mir	A Computational Perspective on Nitrogen Reduction Reaction: From Metal Clusters to Single Atom Catalysts	Roomi Jan Misbah Yousuf Nouroona Jan
Dr. Sheikh Abdul Majid	Computational and Spectroscopic analysis of some biologically active compounds and their molecular docking with different anti-cancer receptors	Tabassum Mushtaq Masrat Jan Aalia Jan
Dr. Nisar A. Malik	Interaction of antidepressant drug with surface active agents: A physicochemical and computational approach	Shasta Shafi Rukshanda Hassan Raja Fehd Wani
Dr. Manzoor A. Rather	Studies directed towards the phytochemical analysis and medicinal properties of molecules isolated from Nigella sativa (Kalonji): Experimental and theoretical approach	Uzma Nabi Shahid H bKhan Ruksana Nazir
Dr Muzzaffar A Bhat	Structural analysis and in silico studies of different substituents on pharmaceutically active and highly functionalized Imines.	Mohsina Mustaq Farhata Fayaz Iram un Nissa
Dr. Jan M. Mir Dr Basheer A. Malik	Some COVID-19 lead drugs: In silico aspects and statistical analysis	Hyqa John Rais Ahmad Wani Ejaz A. Kambay
Dr. Sajad A. Bhat	A tritopic chemosensor based on isoniazid-TFP for the detection of polynitro aromatic compounds	Muzamila iqbal Humaira Hassan Hadyah Qayoom

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<b>Name of Supervisor</b>	<b>Title of Project</b>	<b>Name of Student</b>
Dr. Aabid H. Shalla	Modified willow sawdust: An excellent biopolymer for adsorption of recalcitrant organic dyes	Taymeeza shafi Insha Jahan Asiya Bano
Dr. Manzoor A. Dar	Band gap engineering of C <sub>2</sub> N monolayer for activation of CO <sub>2</sub> molecule.	Syed Fozia Showket A. Reshi
Dr. Sheikh Abdul Majid	Computational and molecular docking of some metal complexes with carbazate based Schiff base ligands	Shakira Jan Asmat Ara Baazla Farooq
Dr. Nisar Ahmad Malik	Interactions of Surface-Active Agents with Polycyclic Aromatic Aldehydes	Tameeza Majeed Nusrat Jan Sameera Yaseen
Dr. Manzoor A. Rather	Chemistry, biology, and industrial applications of essential oils and their chemical constituents	Asmat Rashid Azra Rafiq Bisma Yaseen
Dr. Muzzaffar A. Bhat	An insight on synthesis, structure and in silico studies of some novel imines as possible therapeutic agents for COVID-19	Misba Jan Unjum Manzoor Aafla Ayoub
Dr. Sajad A. Bhat	Pyrene based materials as colorimetric and fluorescent chemosensors	Zubaida Javaid Bisma John Sumaira Ashraf
Dr. G. Murugavel	Design and development of new pH indicator	Nazirah Urfi Abdullah

**Sd/-**

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**Head Department of Chemistry**