

**MAHARSHI DAYANAND UNIVERSITY ROHTAK
DEPARTMENT OF CHEMISTRY**

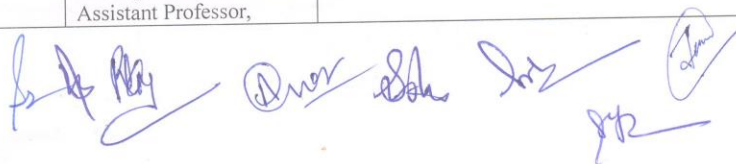
A meeting of the P.G. Board of Studies was held on 30.07.2019 at
11.00 a.m. in the office of the H.O.D. Following members were present:-

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| 1. Prof. S.P. Khatkar, Head of the Department | Chairman |
| 2. Prof. Vinod Bala Taxak, Deptt. of Chemistry | Member |
| 3. Prof. Sapana Garg -do- | Member |
| 4. Dr. Devender Singh, Assoc. Prof., Deptt. of Chemistry | Member |
| 5. Dr. Priti Boora, Asstt. Prof. -do- | Member |
| 6. Dr. Rajesh Kumar Malik, Asstt. Prof.-do- | Member |
| 7. Dr. Anita Phor, Assoc. Prof. Hindu College, Sonapat | Member |
| 8. Dr. Santosh Bhardwaj, Assoc. Prof. Hindu College, Sonapat | Member |

Following decisions were taken:

1. Approved the panel of examiners for M.Sc. 1st to 4th semesters Chemistry practical examinations in University Teaching Departments and Colleges affiliated to M.D.University, Rohtak for the session 2019-20.
2. Approved the names for complaint committee.
3. The P.G. Board of Studies recommends the following cases for Ph.D. Registration already recommended by Departmental Research Committee in its meeting held on 24th July, 2019.

Sr. No.	Name of Candidate	Name & Address of Supervisor	Topic of research
1.	Ms. Pooja*	Dr. Vinod Bala Taxak, Professor, Department of Chemistry, M.D.University, Rohtak (Supervisor) Dr. Rajesh Kumar, Assistant Professor, Deptt. of Chemistry, UIET, MDU Rohtak (Co-Supervisor)	“SYNTHESIS AND INVESTIGATION OF OPTICAL AND BIOLOGICAL PROPERTIES OF SOME RARE EARTH METAL COMPLEXES”
2.	Ms. Priyanka Sehrawat*	Dr. Vinod Bala Taxak, Professor, Department of Chemistry, M.D.University, Rohtak (Supervisor) Dr. Rajesh Kumar Malik, Assistant Professor,	“INVESTIGATION INTO STRUCTURAL AND PHOTOPHYSICAL PROPERTIES OF SOME RARE-EARTH NANOPHOSPHORS”



		Deptt. of Chemistry, M.D.University, Rohtak (Co-Supervisor)	
3.	Ms. Priya Phogat*	Dr. Vinod Bala Taxak, Professor, Department of Chemistry, M.D.University, Rohtak (Supervisor) Dr. Rajesh Kumar Malik, Assistant Professor, Deptt. of Chemistry, M.D.University, Rohtak (Co-Supervisor)	“STRUCTURAL AND PHOTOPHYSICAL PROPERTIES OF SOME LUMINESCENT NANOMATERIALS”
4.	Ms. Mahak	Dr. Sapana Garg Professor, Deptt. of Chemistry, M.D. University, Rohtak	“SYNTHESIS CHARACTERIZATION AND BIOLOGICAL STUDIES OF ARYLTELLURIUM(IV) COMPLEXES DERIVED FROM SUBSTITUTED NAPHTHALDEHYDE SCHIFF BASES”
5.	Ms. Nidhi	Dr. Sapana Garg, Professor, Deptt. of Chemistry, M.D. University, Rohtak	“INVESTIGATION ON ORGANYL TELLURIUM(IV) COMPLEXES OF SCHIFF BASES DERIVED FROM 5-SUBSTITUTED FURAN-2-CARBALDEHYDE”
6.	Ms. Poonam**	Dr. Sapana Garg, Professor, Deptt. of Chemistry, M.D. University, Rohtak (Supervisor) Dr. V.K. Sharma, Emeritus Scientist,CSIR, Deptt. of Chemistry, MD. University, Rohtak (Co-Supervisor)	“THERMODYNAMIC INVESTIGATIONS OF MOLECULAR INTERACTIONS IN MULTICOMPONENT LIQUID MIXTURES”
7.	Anuj	Dr. Devender Singh, Associate Professor, Deptt. of Chemistry, M.D. University, Rohtak	“SYNTHESIS AND OPTOELECTRONIC CHARACTERISTICS OF RARE-EARTH METAL COMPLEXES FOR DISPLAY APPLICATIONS”
8.	Ms. Kapeesha Nehra	Dr. Devender Singh, Associate Professor, Deptt. of Chemistry, M.D.University, Rohtak	“PREPARATION AND LUMINESCENT CHARACTERISTICS OF HETEROCYCLIC LIGAND BASED RARE-EARTH METAL COMPLEXES FOR OLEDs APPLICATIONS”
9.	Ms. Monika	Dr. Priti Boora Doon, Assistant Professor, Department of Chemistry, M.D.University, Rohtak	“STUDY OF STRUCTURAL AND LUMINESCENT CHARACTERISTICS OF SOME RARE EARTH METAL COMPLEXES”
10.	Ms. Monika	Dr. Rajesh Kumar Malik, Assistant Professor, Deptt. of Chemistry,	“SYNTHESIS OF SOME RARE EARTH DOPED PHOSPHORS THEIR STRUCTURAL AND LUMINESCENT PROPERTIES”

(Handwritten signatures and initials)

		M.D.University, Rohtak	
11.	Ms. Anuradha	Dr. Naveen Kumar, Assistant Professor, Department of Chemistry, M.D.University, Rohtak	“THERMODYNAMIC AND ADSORPTION STUDIES OF CO ₂ CAPTURE BY HYBRID MATERIALS”
12.	Ms. Renu	Dr. Komal Jakhar, Assistant Professor, Department of Chemistry, M.D.University, Rohtak	“ SYNTHETIC STUDIES ON MEDICINALLY IMPORTANT HETEROCYCLIC COMPOUNDS”
13.	Ms. Jyoti	Dr. Komal Jakhar, Assistant Professor, Department of Chemistry, M.D.University, Rohtak	“SYNTHESIS OF PHARMACEUTICALLY SIGNIFICANT ORGANIC COMPOUNDS USING GREENER PROCEDURES”

Justification of Co-Supervisor of Ms. Pooja, Ms. Priyanka Sehrawat & Ms. Priya Phogat


- * As per Ph.D. Ordinance Co-Supervisors in case of Ms. Pooja, Ms. Priyanka Sehrawat & Ms. Priya Phogat have been taken from the M.D.University, Rohtak as Prof. Vinod Bala Taxak is going to retire in December, 2020.

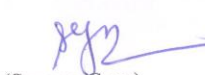
** **Justification of Co-Supervisor of Ms. Poonam:**

The present study involves the investigations of molecular interactions in mixtures. Prof. Sapana Garg will work on the estimation of molecular interactions in binary mixtures by measuring and analyzing their thermodynamic properties. However, prediction of molecular interactions in ternary mixtures is complicated.

Prof. V.K. Sharma (Emeritus Scientist, CSIR) is an expertise in thermodynamics of liquid mixtures and has published 150 research papers. His expertise will be utilized in evaluating the molecular interactions in ternary mixtures. Further, he will help in quantum mechanical calculations to confirm the proposed molecular entities (via IR, NMR and thermodynamic considerations) in pure as well as mixed states.


(S.P. Khatkar)


(Vinod Bala Taxak)


(Sapana Garg)


(Devender Singh)


(Priti Boora)


(Rajesh Kumar Malik)


(Anita Phor)


(Santosh Bhardwaj)