

Criterion 1 – Curricular Aspects

Key Indicator	1.3	Curriculum Enrichment
Metric	1.3.4	Percentage of students undertaking field projects / research projects / internships (Data for the latest completed academic year 2023-2024)

DEPARTMENT OF CHEMISTRY

S.No.	Description
1.	List of students undertaking the field projects/ research projects / internship program-wise in the last completed academic year along with the details of title, place of work etc.
2.	<ul style="list-style-type: none">• Internship / research projects completion certificate from the organization where internship / research projects was completed along with the duration.• Report of the field visit / sample photographs of the field visit / permission letter from the competent authority will be considered

Summery

S.No	Programme	No of students – Field Projects (a)	No of students – Research Projects (b)	No of students – Internships (c)	Total No of students (d)
1	B.Sc. Chemistry	-	11	09	11
2	M.Sc. Chemistry	-	20	-	20

List of students - Internship


DEPARTMENT OF CHEMISTRY
Academic Year: 2023 – 2024
INTERNSHIP

Degree / Branch: B.Sc. Chemistry
Year / Semester: III/V

Batch: 2021 - 2024

Students Name List

S. No.	Register Number	Name	Duration	Internship Offered by
1.	121011165052	MADHUMITHA S	01-06-2023 to 30-06-2023	Thanjavur District Co Operative Milk Producers Union Ltd, Thanjavur.
2.	121012165053	MERVIN JOSHUA M	01-06-2023 to 30-06-2023	Thanjavur District Co Operative Milk Producers Union Ltd, Thanjavur.
3.	121012165055	PRASANTH S	01-06-2023 to 30-06-2023	Thanjavur District Co Operative Milk Producers Union Ltd, Thanjavur.
4.	121012165056	ROHITH T	01-06-2023 to 30-06-2023	Thanjavur District Co Operative Milk Producers Union Ltd, Thanjavur.
5.	121012165057	SRIHARI R	01-06-2023 to 30-06-2023	Thanjavur District Co Operative Milk Producers Union Ltd, Thanjavur.
6.	121012165058	SUDHAN B	01-06-2023 to 30-06-2023	Thanjavur District Co Operative Milk Producers Union Ltd, Thanjavur.
7.	121011165060	VARSHINI S	01-06-2023 to 30-06-2023	Thanjavur District Co Operative Milk Producers Union Ltd, Thanjavur.
8.	121011165061	MALINI S	01-06-2023 to 30-06-2023	Thanjavur District Co Operative Milk Producers Union Ltd, Thanjavur.
9.	121012165062	SATHISH V	01-06-2023 to 30-06-2023	Thanjavur District Co Operative Milk Producers Union Ltd, Thanjavur.


HOD / Chemistry
(Dr. S. Sundaranayagi)



Centre for Institute Industry Interaction

Periyar Nagar, Vallam Thanjavur - 613 403, Tamil Nadu
Phone : +91 - 4362 - 264600 Fax : +91- 4362 - 264660
Email: dircui@pnu.edu Web : www.pnu.edu

PERIYAR MANIAMMAI
INSTITUTE OF SCIENCE & TECHNOLOGY

Form E

Overall Rating of Trainee
(To be issued by the company on completion of training)

1. Name of the student: S. MARLIN Reg No: 12101165061

2. Course: - I/II/III year
Dept./Section:

3. Period of assessment:
From: 01/01/23 To: 30/01/23

4. Assessment / Remarks of the Training Office on the basis of work performed by the trainee:

S.No	Criteria	*Grades				
		A	B	C	D	E
a)	Technical Knowledge	A				
b)	Commitment	B				
c)	Willingness to learn	B				
d)	Communication Skills	A				
e)	Team Spirit	A				
f)	Leadership	B				
g)	Punctuality	A				

*Grade assigned: A = Excellent, B = Very Good, C = Good, D = Fair, E = Satisfactory

5. Any other remarks or suggestions:

Seal of the Industry / Organization

Signature of Officer / Executive In-charge of Training

Centre for Institute Industry Interaction

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PERIYAR MANIAMMAI
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Form E

Overall Rating of Trainee
(To be issued by the company on completion of training)

1. Name of the student: S. MADHUMITHA Reg No: 12101165053

2. Course: - I/II/III year
Dept./Section:

3. Period of assessment:
From: 01/06/22 To: 30/06/22

4. Assessment / Remarks of the Training Office on the basis of work performed by the trainee:

S.No	Criteria	*Grades				
		A	B	C	D	E
a)	Technical Knowledge	A				
b)	Commitment	B				
c)	Willingness to learn	B				
d)	Communication Skills	A				
e)	Team Spirit	A				
f)	Leadership	B				
g)	Punctuality	A				

*Grade assigned: A = Excellent, B = Very Good, C = Good, D = Fair, E = Satisfactory

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Form E

Overall Rating of Trainee
(To be issued by the company on completion of training)

1. Name of the student: S. PRASANTH Reg No: 121012165055

2. Course: - I/II/III year
Dept./Section: CHEMISTRY/A

3. Period of assessment:
From: 01/06/23 To: 30/06/23

4. Assessment / Remarks of the Training Office on the basis of work performed by the trainee:

S.No	Criteria	*Grades				
		A	B	C	D	E
a)	Technical Knowledge	A				
b)	Commitment	B				
c)	Willingness to learn	B				
d)	Communication Skills	A				
e)	Team Spirit	A				
f)	Leadership	B				
g)	Punctuality	A				

*Grade assigned: A = Excellent, B = Very Good, C = Good, D = Fair, E = Satisfactory

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Form E

Overall Rating of Trainee
(To be issued by the company on completion of training)

1. Name of the student: B. SLOHANA Reg No: 121012165058

2. Course: - I/II/III year
Dept./Section: CHEMISTRY/A

3. Period of assessment:
From: 01/01/23 To: 30/06/23

4. Assessment / Remarks of the Training Office on the basis of work performed by the trainee:

S.No	Criteria	*Grades				
		A	B	C	D	E
a)	Technical Knowledge	A				
b)	Commitment	B				
c)	Willingness to learn	B				
d)	Communication Skills	A				
e)	Team Spirit	A				
f)	Leadership	B				
g)	Punctuality	A				

*Grade assigned: A = Excellent, B = Very Good, C = Good, D = Fair, E = Satisfactory


5. Any other remarks or suggestions:

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Signature of Officer / Executive In-charge of Training

Centre for Institute Industry Interaction

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Form E

Overall Rating of Trainee
(To be issued by the company on completion of training)

1. Name of the student: R. SRIHARI Reg No: 121012165057

2. Course: - I / II / III year Academic Year: 2021 - 2024
Dept./Section: Chemistry IA

3. Period of assessment:
From: 01/06/2023 To: 30/06/23



To be attested by training in-charge

4. Assessment / Remarks of the Training Office on the basis of work performed by the trainee:

S.No	Criteria	*Grades				
		A	B	C	D	E
a)	Technical Knowledge	A				
b)	Commitment	B				
c)	Willingness to learn	B				
d)	Communication Skills	A				
e)	Team Spirit	A				
f)	Leadership	B				
g)	Punctuality	A				

*Grade assigned: A = Excellent, B = Very Good, C = Good, D = Fair, E = Satisfactory

5. Any other remarks or suggestions:


THANJAVUR DIST. CO-OP MILK
PRODUCE'S UNION LTD.,
THANJAVUR.

Seal of the Industry / Organization

[Signature]
Signature of Officer / Executive
In-charge of Training

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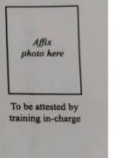
Form E

Overall Rating of Trainee
(To be issued by the company on completion of training)

1. Name of the student: T. ROHITH Reg No: 12102165056

2. Course: - I / II / III year Academic Year: 2021 - 2024
Dept./Section: CHEMISTRY/A

3. Period of assessment:
From: 01/06/23 To: 30/6/23



To be attested by training in-charge

4. Assessment / Remarks of the Training Office on the basis of work performed by the trainee:

S.No	Criteria	*Grades				
		A	B	C	D	E
a)	Technical Knowledge	A				
b)	Commitment	B				
c)	Willingness to learn	B				
d)	Communication Skills	A				
e)	Team Spirit	A				
f)	Leadership	B				
g)	Punctuality	A				

*Grade assigned: A = Excellent, B = Very Good, C = Good, D = Fair, E = Satisfactory


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In-charge of Training

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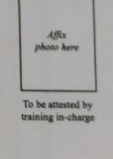
Form E

Overall Rating of Trainee
(To be issued by the company on completion of training)

1. Name of the student: V. SATHISH Reg No: 121012165062

2. Course: - I / II / III year Academic Year: 2021 - 2024
Dept./Section: Academic Year: 2021 - 2024

3. Period of assessment:
From: 01/06/23 To: 30/6/23



To be attested by training in-charge

4. Assessment / Remarks of the Training Office on the basis of work performed by the trainee:

S.No	Criteria	*Grades				
		A	B	C	D	E
a)	Technical Knowledge	A				
b)	Commitment	B				
c)	Willingness to learn	B				
d)	Communication Skills	A				
e)	Team Spirit	A				
f)	Leadership	B				
g)	Punctuality	A				

*Grade assigned: A = Excellent, B = Very Good, C = Good, D = Fair, E = Satisfactory

5. Any other remarks or suggestions:


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Form E

Overall Rating of Trainee
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1. Name of the student: M. MERVIN JOSHUA Reg No: 12102165053

2. Course: - I / II / III year Academic Year: 2021 - 2024
Dept./Section: CHEMISTRY/A

3. Period of assessment:
From: 01/06/23 To: 30/6/23



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4. Assessment / Remarks of the Training Office on the basis of work performed by the trainee:

S.No	Criteria	*Grades				
		A	B	C	D	E
a)	Technical Knowledge	A				
b)	Commitment	B				
c)	Willingness to learn	B				
d)	Communication Skills	A				
e)	Team Spirit	A				
f)	Leadership	B				
g)	Punctuality	A				

*Grade assigned: A = Excellent, B = Very Good, C = Good, D = Fair, E = Satisfactory

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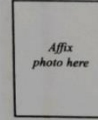
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Overall Rating of Trainee

(To be issued by the company on completion of training)

1. Name of the student: S. VARSHINI Reg No: 12101165060
2. Course: - I/II/III year Academic Year: 2021 - 2024
Dept. / Section:
3. Period of assessment:
From: 01/06/23 To: 30/06/23



To be attested by
training in-charge

4. Assessment / Remarks of the Training Office on the basis of work performed by the trainee:

S.No	Criteria	*Grades				
		A	B	C	D	E
a)	Technical Knowledge	A				
b)	Commitment	B				
c)	Willingness to learn	B				
d)	Communication Skills	A				
e)	Team Spirit	A				
f)	Leadership	A				
g)	Punctuality	A				

*Grade assigned: A = Excellent, B = Very Good, C = Good, D = Fair, E = Satisfactory

5. Any other remarks or suggestions:

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In-charge of Training

Students Research Projects – B.Sc. Chemistry

DEPARTMENT OF CHEMISTRY

Academic Year: 2023 – 2024

Students Research Projects

Degree / Branch: B.Sc. Chemistry

Batch: 2021 - 2024

Year / Semester: III / VI

Students Name List

S.No	Name of the Student	Project Guide	Project Title
1	DINESH R	Dr. M. MOHANA	Hirshfeld analysis of Benzaldehyde Derivatives with Organic Acid.
2	MADHUMITHA S	Dr. R. MAMANI	Effect Of Magnesium Doping On The Structural, Optical And Antimicrobial Properties Of Tin Oxide Nanoparticles Using <i>Psidium Guajava</i> Leaf Extract By Green Method.
3	MERVIN JOSHUA M	Dr. A. MANOHAR	Synthesis Characterization And Biological Studies On Mixed Ligand Complex Involving Nickel (II) Ethylenedithiocarbonate And Dimethyl Glyoxime.
4	MOHAMED AMEERKHAN A	Dr. S. SUNDARANAYAGI	Synthesis of Binary Metal Tungstate Nanoparticles For Environmental Remediation.
5	PRASANTH S	Dr. A. SUBHASRI	Synthesis Of Mxine Based Vanadium Carbide And It's Evolution For Anti-Cancer Activity In Bone Marrow Cancer Cell Line
6	ROHITH T	Dr. G. MANIVANNAN	De Novo Synthesis Of Metal-Organic Framework Derived Nanocomposite For Hydrogen Evolution Reaction.
7	SRIHARI R	Dr. M. VISWALINGAM	Enhanced Synthesized And Characterization Of Metal Oxide Nanoparticles Via Co-Precipitation Method
8	SUDHAN B	Dr. G. MANIVANNAN	De Novo Synthesis Of Metal-Organic Framework Derived Nanocomposite For

			Hydrogen Evolution Reaction.
9	VARSHINI S	Dr. M. KARTHIKEYAN	Synthesis , Characterization And Biological Studies Of Zinc Oxide Nanoparticles Via Chemical And Green Method
10	MALINI S	Dr. S. GOMATHI	Removal Of Micro Plastic Through Metal Organic Frameworks
11	SATHISH V	Dr. A. MANOHAR	Synthesis Characterization And Biological Studies On Mixed Ligand Complex Involving Nickel (II) Ethylenedithiocarbonate And Dimethyl Glyoxime.


HOD / Chemistry

(Dr. S. Sundaranayagi)






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DEPARTMENT OF CHEMISTRY
CERTIFICATE OF COMPLETION

This is to certify that **Mr. R. DINESH** completed his Project titled **"Hirshfeld analysis of Benzaldehyde Derivatives with Organic Acid"** during the even semester of the Academic year 2023-24 as a partial requirement of his B.Sc. Degree Programme.


Project Coordinator
(Dr. G. Manivannan)



Head of the Department
(Dr. S. Sundaranayagi)




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DEPARTMENT OF CHEMISTRY
CERTIFICATE OF COMPLETION

This is to certify that **Ms. S. MADHUMITHA** completed her Project titled **"Effect Of Magnesium Doping On The Structural, Optical And Antimicrobial Properties Of Tin Oxide Nanoparticles Using Psidium Guajava Leaf Extract By Green Method."** during the even semester of the Academic year 2023-24 as a partial requirement of her B.Sc. Degree Programme.


Project Coordinator
(Dr. G. Manivannan)



Head of the Department
(Dr. S. Sundaranayagi)




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DEPARTMENT OF CHEMISTRY
CERTIFICATE OF COMPLETION

This is to certify that **Ms. S. VARSHINI** completed her Project titled **"Synthesis , Characterization And Biological Studies Of Zinc Oxide Nanoparticles Via Chemical And Green Method."** during the even semester of the Academic year 2023-24 as a partial requirement of her B.Sc. Degree Programme.


Project Coordinator
(Dr. G. Manivannan)



Head of the Department
(Dr. S. Sundaranayagi)




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DEPARTMENT OF CHEMISTRY
CERTIFICATE OF COMPLETION

This is to certify that **Ms. S. MALINI** completed her Project titled **"Removal Of Micro Plastic Through Metal Organic Frameworks."** during the even semester of the Academic year 2023-24 as a partial requirement of her B.Sc. Degree Programme.


Project Coordinator
(Dr. G. Manivannan)

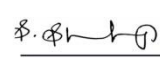

Head of the Department
(Dr. S. Sundaranayagi)



PERIYAR MANIAMMAI
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 DEPARTMENT OF CHEMISTRY

DEPARTMENT OF CHEMISTRY
CERTIFICATE OF COMPLETION

This is to certify that **Mr. M. MERVIN JOSHUA** completed his Project titled **"Synthesis Characterization And Biological Studies On Mixed Ligand Complex Involving Nickel (II) Ethylenedithiocarbonate And Dimethyl Glyoxime."** during the even semester of the Academic year 2023-24 as a partial requirement of his B.Sc. Degree Programme.


 Project Coordinator
 (Dr. G. Manivannan)

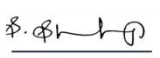

 Head of the Department
 (Dr. S. Sundaranayagi)



PERIYAR MANIAMMAI
 INSTITUTE OF SCIENCE & TECHNOLOGY
 DEPARTMENT OF CHEMISTRY

DEPARTMENT OF CHEMISTRY
CERTIFICATE OF COMPLETION

This is to certify that **Mr. A. MOHAMED AMEERKHAN** completed his Project titled **"Synthesis of Binary Metal Tungstate Nanoparticles For Environmental Remediation."** during the even semester of the Academic year 2023-24 as a partial requirement of his B.Sc. Degree Programme.



 Project Coordinator
 (Dr. G. Manivannan)

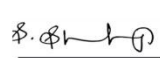

 Head of the Department
 (Dr. S. Sundaranayagi)



PERIYAR MANIAMMAI
 INSTITUTE OF SCIENCE & TECHNOLOGY
 DEPARTMENT OF CHEMISTRY

DEPARTMENT OF CHEMISTRY
CERTIFICATE OF COMPLETION

This is to certify that **Mr. S. PRASANTH** completed his Project titled **"Synthesis Of Mxine Based Vanadium Carbide And It's Evolution For Anti-Cancer Activity In Bone Marrow Cancer Cell Line."** during the even semester of the Academic year 2023-24 as a partial requirement of his B.Sc. Degree Programme.



 Project Coordinator
 (Dr. G. Manivannan)

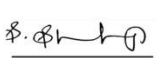

 Head of the Department
 (Dr. S. Sundaranayagi)


PERIYAR MANIAMMAI
 INSTITUTE OF SCIENCE & TECHNOLOGY
 DEPARTMENT OF CHEMISTRY

DEPARTMENT OF CHEMISTRY
CERTIFICATE OF COMPLETION

This is to certify that **Mr. T. ROHITH** completed his Project titled **"De Novo Synthesis Of Metal-Organic Framework Derived Nanocomposite For Hydrogen Evolution Reaction."** during the even semester of the Academic year 2023-24 as a partial requirement of his B.Sc. Degree Programme.


 Project Coordinator
 (Dr. G. Manivannan)


 Head of the Department
 (Dr. S. Sundaranayagi)



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 INSTITUTE OF SCIENCE & TECHNOLOGY
 DEPARTMENT OF CHEMISTRY

DEPARTMENT OF CHEMISTRY
CERTIFICATE OF COMPLETION

This is to certify that **Mr. R. SRIHARI** completed his Project titled **"Enhanced Synthesized And Characterization Of Metal Oxide Nanoparticles Via Co-Precipitation Method."** during the even semester of the Academic year 2023-24 as a partial requirement of his B.Sc. Degree Programme.



 Project Coordinator
 (Dr. G. Manivannan)

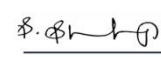

 Head of the Department
 (Dr. S. Sundaranayagi)



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 DEPARTMENT OF CHEMISTRY

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CERTIFICATE OF COMPLETION

This is to certify that **Mr. B. SUDHAN** completed his Project titled **"De Novo Synthesis Of Metal-Organic Framework Derived Nanocomposite For Hydrogen Evolution Reaction."** during the even semester of the Academic year 2023-24 as a partial requirement of his B.Sc. Degree Programme.



 Project Coordinator
 (Dr. G. Manivannan)



 Head of the Department
 (Dr. S. Sundaranayagi)


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CERTIFICATE OF COMPLETION

This is to certify that **Mr. V. SATHISH** completed his Project titled **"Synthesis Characterization And Biological Studies On Mixed Ligand Complex Involving Nickel (II) Ethylenedithiocarbonate And Dimethyl Glyoxime."** during the even semester of the Academic year 2023-24 as a partial requirement of his B.Sc. Degree Programme.


 Project Coordinator
 (Dr. G. Manivannan)


 Head of the Department
 (Dr. S. Sundaranayagi)

Students Research Projects – M.Sc. Chemistry

DEPARTMENT OF CHEMISTRY

Academic Year: 2023 – 2024

Students Research Projects

Degree / Branch: M.Sc. Chemistry

Batch: 2022 - 2024

Year / Semester: II / IV

Students Name List

S.No	Name of the Student	Project Guide	Project Title
1	BOOMIKA S	Dr. S. SUNDARANAYAGI	Hydrothermal Synthesis of Ternary Metal Tungstate nanoparticles for Environmental Remediation.
2	DINESH KUMAR R	Dr. A. SUBHASRI	Synthesis of Mxene - Based Molybdenum Carbide And It's Evolution for Anti-Cancer Activity in Lung Cancer Cell Line
3	HARRISH RAM A	Dr. S. SUNDARANAYAGI	Adsorption of Cationic Dyes Onto Chemically Modified Activated Carbon
4	JEEVAGAN B	Dr. M. VISWALINGAM	Investigating Non-Covalent Interaction Plots for Metal Complexes of Nickel Halides Utilizing Hirshfeld Surface
5	JENIXSON J	Dr. G. MANIVANNAN	De Nova synthesis of Metal Organic Framework derived Nanocomposite for Hydrogen Evaluation Reactions.
6	KEERTHANA R	Dr. M. KARTHIKEYAN	Effect of 3% Zr Doped NiO nanoparticles and their Structural, Optical and Biological application-synthesis by green method using <i>Annona Squamosa</i> seed extract.
7	MANIVASAGAM P	Dr. S. GOMATHI	Synthesis Structural Spectral Studies And Computational Studies Of Bischalcone For Biological Application

8	MATHAN KUMAR M	Dr. A. MANOHAR	Development of Nickel Sulphide nanoparticles from Bis (Di(2-Hydroxyethyl) Dithiocarbamate) Nickel(Ii) Precursor For Photocatalytic Studies.
9	MEENA M	Dr. R. MAMANI	Impact of Barium doping on the Structural ,Optical, and Antimicrobial properties SnO ₂ nanoparticles using <i>Psidium Guajava</i> leaf extract
10	RAMESH ARAVINTH S	Dr. S. GOMATHI	Adsorption of Cationic Dyes onto Chemically Modified Activated Carbon
11	REMIGIOUS VIJAY R	Dr. A. MANOHAR	Synthesis of Zinc Sulphide nanoparticles from Bis(Di(2-Hydroxyethyl)Dithiocarbamate)Zinc(Ii) Precursor for Photocatalytic Studies.
12	SNEHA M	Dr. S. SUNDARANAYAGI	Hydrothermal Synthesis Of Ternary Metal Tungstate Nanoparticles For Environmental Remediation.
13	SUDHAKARAN S	Dr. M. VISWALINGAM	Exploring the Non-Covalent Interaction Plots For Metal Complexes of Cobalt Halides Utilizing Hirshfeld Surface
14	SUGANYA V	Dr. A. SUBHASRI	Synthesis of Mxene - Based Tungsten Carbide and It's Evolution for Anti-Cancer Activity in Breast Cancer Cell Line
15	SUSHMITHA Y	Dr. M. MOHANA	Hydrogen Bonding and Hirshfeld Surface Analysis Of Uracil-5-Carboxylic Acid Dihydrate.
16	TAMILANBAN B	Dr. S. GOMATHI	Synthesis Structural Spectral Studies and Computational Studies of Bischalcone for Biological Application.
17	THIYAGARAJAN V	Dr. M. MOHANA	Hydrogen Bonding and Hirshfeld Surface Analysis Of Uracil-5-Carboxylic Acid Dihydrate.

18	VASIKARANT	Dr. M. KARTHIKEYAN	Effect of 6% Zr Doped NiO Nanoparticles and their Structural, Optical and Biological Application- Synthesis by Green Method using <i>Ammonia Squamosa</i> Seed Extract.
19	YAZHINI D	Dr. G. MANIVANNAN	De Nova Synthesis of Metal Organic Framework Derived Nanocomposite For Hydrogen Evaluation Reactions.
20	ABIRAMI S	Dr. R. MAMANI	Impact of Barium Doping on the Structural ,Optical ,And Antimicrobial Properties SnO ₂ nanoparticles using <i>Psidium Guajava</i> leaf extract


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This is to certify that **Mr. R. DINESH KUMAR** completed his Project titled **"Synthesis of Mxene - Based Molybdenum Carbide And It's Evolution for Anti-Cancer Activity in Lung Cancer Cell Line"** during the even semester of the Academic year 2023-24 as a partial requirement of his M.Sc. Degree Programme.



Project Coordinator
(Dr. G. Manivannan)

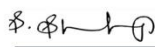

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This is to certify that **Mr. A. HARRISH RAM** completed his Project titled **"Adsorption of Cationic Dyes Onto Chemically Modified Activated Carbon"** during the even semester of the Academic year 2023-24 as a partial requirement of his M.Sc. Degree Programme.


Project Coordinator
(Dr. G. Manivannan)


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This is to certify that **Mr. B. JEEVAGAN** completed his Project titled **"Investigating Non-Covalent Interaction Plots for Metal Complexes of Nickel Halides Utilizing Hirshfeld Surface"** during the even semester of the Academic year 2023-24 as a partial requirement of his M.Sc. Degree Programme.


Project Coordinator
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This is to certify that **Mr. J. JENIXSON** completed his Project titled **"De Nova synthesis of Metal Organic Framework derived Nanocomposite for Hydrogen Evaluation Reactions"** during the even semester of the Academic year 2023-24 as a partial requirement of his M.Sc. Degree Programme.


Project Coordinator
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This is to certify that **Mr. P. MANIVASAGAM** completed his Project titled **"Synthesis Structural Spectral Studies And Computational Studies Of Bischalcone For Biological Application"** during the even semester of the Academic year 2023-24 as a partial requirement of his M.Sc. Degree Programme.

Project Coordinator
 (Dr. G. Manivannan)

Head of the Department
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This is to certify that **Mr. M. MATHAN KUMAR** completed his Project titled **"Development of Nickel Sulphide nanoparticles from Bis (Di(2-Hydroxyethyl) Dithiocarbamato) Nickel(ii) Precursor For Photocatalytic Studies"** during the even semester of the Academic year 2023-24 as a partial requirement of his M.Sc. Degree Programme.

Project Coordinator
 (Dr. G. Manivannan)

Head of the Department
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This is to certify that **Mr. S. RAMESH ARAVINTH** completed his Project titled **"Adsorption of Cationic Dyes onto Chemically Modified Activated Carbon"** during the even semester of the Academic year 2023-24 as a partial requirement of his M.Sc. Degree Programme.

Project Coordinator
 (Dr. G. Manivannan)

Head of the Department
 (Dr. S. Sundaranayagi)

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This is to certify that **Mr. R. REMIGIOUS VIJAY** completed his Project titled **"Synthesis of Zinc Sulphide nanoparticles from Bis(Di(2-Hydroxyethyl)Dithiocarbamato)Zinc(ii) Precursor for Photocatalytic Studies"** during the even semester of the Academic year 2023-24 as a partial requirement of his M.Sc. Degree Programme.

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This is to certify that **Mr. S. SUDHAKARAN** completed his Project titled "**Exploring the Non-Covalent Interaction Plots For Metal Complexes of Cobalt Halides Utilizing Hirshfeld Surface**" during the even semester of the Academic year 2023-24 as a partial requirement of his M.Sc. Degree Programme.

Project Coordinator
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This is to certify that **Mr. B. TAMILANBAN** completed his Project titled "**Synthesis Structural Spectral Studies and Computational Studies of Bischalcone for Biological Application**" during the even semester of the Academic year 2023-24 as a partial requirement of his M.Sc. Degree Programme.

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This is to certify that **Mr. V. THIYAGARAJAN** completed his Project titled "**Hydrogen Bonding and Hirshfeld Surface Analysis Of Uracil-5-Carboxylic Acid Dihydrate**" during the even semester of the Academic year 2023-24 as a partial requirement of his M.Sc. Degree Programme.

Project Coordinator
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This is to certify that **Mr. T. VASIKARAN** completed his Project titled "**Effect of 6% Zr Doped NiO Nanoparticles and their Structural, Optical and Biological Application- Synthesis by Green Method using Annona Squamosa Seed Extract**" during the even semester of the Academic year 2023-24 as a partial requirement of his M.Sc. Degree Programme.

Project Coordinator
(Dr. G. Manivannan)

Head of the Department
(Dr. S. Sundaranayagi)



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This is to certify that **Ms. S. BOOMIKA** completed her Project titled **"Hydrothermal Synthesis of Ternary Metal Tungstate nanoparticles for Environmental Remediation"** during the even semester of the Academic year 2023-24 as a partial requirement of her M.Sc. Degree Programme.

Project Coordinator
(Dr. G. Manivannan)

Head of the Department
(Dr. S. Sundaranayagi)



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This is to certify that **Ms. R. KEERTHANA** completed her Project titled **"Effect of 3% Zr Doped NiO nanoparticles and their Structural, Optical and Biological application- synthesis by green method using Annona Squamosa seed extract"** during the even semester of the Academic year 2023-24 as a partial requirement of her M.Sc. Degree Programme.

Project Coordinator
(Dr. G. Manivannan)

Head of the Department
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This is to certify that **Ms. M. MEENA** completed her Project titled **"Impact of Barium doping on the Structural ,Optical, and Antimicrobial properties SnO2 nanoparticles using Psidium Guajava leaf extract"** during the even semester of the Academic year 2023-24 as a partial requirement of her M.Sc. Degree Programme.

Project Coordinator
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Head of the Department
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This is to certify that **Ms. M. SNEHA** completed her Project titled **"Hydrothermal Synthesis Of Ternary Metal Tungstate Nanoparticles For Environmental Remediation"** during the even semester of the Academic year 2023-24 as a partial requirement of her M.Sc. Degree Programme.

Project Coordinator
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This is to certify that **Ms. V. SUGANYA** completed her Project titled "**Synthesis of Mxene - Based Tungsten Carbide and It's Evolution for Anti-Cancer Activity in Breast Cancer Cell Line**" during the even semester of the Academic year 2023-24 as a partial requirement of her M.Sc. Degree Programme.


Project Coordinator
(Dr. G. Manivannan)


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This is to certify that **Ms. Y. SUSHMITHA** completed her Project titled "**Hydrogen Bonding and Hirshfeld Surface Analysis Of Uracil-5-Carboxylic Acid Dihydrate**" during the even semester of the Academic year 2023-24 as a partial requirement of her M.Sc. Degree Programme.


Project Coordinator
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This is to certify that **Ms. D. YAZHINI** completed her Project titled "**De Nova Synthesis of Metal Organic Framework Derived Nanocomposite For Hydrogen Evaluation Reactions**" during the even semester of the Academic year 2023-24 as a partial requirement of her M.Sc. Degree Programme.


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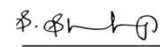


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This is to certify that **Ms. S. ABIRAMI** completed her Project titled "**Impact of Barium Doping on the Structural ,Optical ,And Antimicrobial Properties SnO2 nanoparticles using Psidium Guajava leaf extract**" during the even semester of the Academic year 2023-24 as a partial requirement of her M.Sc. Degree Programme.


Project Coordinator
(Dr. G. Manivannan)


Head of the Department
(Dr. S. Sundaranayagi)