



Government of Jammu & Kashmir
Higher Education Department (J&K)



Department of Chemistry
Sri Pratap College, M. A. Road Srinagar

NAAC RE-ACCREDITED GRADE A+

Cluster University Srinagar, M.A. Road Srinagar

Ph: 0194-2476828, Fax: 0194-2476804 /<http://www.spcollege.edu.in> /E-mail: spcsg1905@gmail.com

No. SPC/

Dated: / /

**Research Projects Carried out by Integrated Chemistry 10th Semester
Students During Academic Year 2023-24**

Name of the Student	University Registration Number	Title of the Project
Abida Jan	CUS-18-SSC-10162	Synthesis and Characterization of Functionalized Graphene Quantum Dots: Application for Photodegradation of p-Nitrophenol
Shagufta sameen	CUS-18-SSC-10175	Synthesis and characterization of silver/polyaniline nanocomposite: An efficient catalyst for the photocatalytic degradation of Rhodamine B dye
Khushboo Bashir	CUS-18-SSC-10179	Pyrene based Schiff base as Invisible ink
Syed Muneesa	CUS-18-SSC-10168	Isolation of Withaferin A from leaves of Withania somnifera and α -halogenation of Ring A
Iqra Hamid	CUS-18-GWC-11851	Molecular Dynamic Simulations of anti-HIV protein SAMHD1
Farheen Shafiq	CUS-18-SSC-10173	Stimuli responsive emission color tunable fluorescent system as Fe(2+) sensor in aqueous medium
Toieba Aslam	CUS-18-GWC-12042	Sugar derived activated carbon as an adsorbent for effective removal of Tetracycline antibiotics from waste water
Samreena Akram	CUS-18-SSC-10174	Synthesis and Functionalization of graphene.
Midhat Batool	CUS-18-SSC-10184	Synthesis and Characterization of co-doped graphene quantum dots and photocatalytic degradation of resorcinol (EDC) using as synthesized B ₃ N-GQDs.
Mehak Riyaz	CUS-18-SSC-10152	Green Synthesis of Aspirin and its Identification by Comparison with Aspirin Extracted from Ecosprin 75 mg Tablets
Rumaisa Rashid	CUS-18-GWC-11915	From waste to wealth: extracting secondary metabolites from the marc of lavender, isolation and characterization



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No. SPC/

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Azhar U din Khursheed	CUS-18-SSC- 10186	Green Synthesis of Paracetamol and its indentification by comparison with paracetamol extracted from Dolo- 650
Irfan Ahmad dar	CUS-18-SSC- 10182	Synthesis and Charecterization of Novel Pd Based Metallosurfactant
Saqib Muzafar Wani	CUS-18-SSC- 10172	Chemoprofiling and Biological evaluation of Medicinal Tree Rosmarinus officinalis
Mohmmad Amir Lone	CUS-18-SSC- 10170	Chemoprofiling and Biological evaluation of Medicinal Tree Ligustrum Lucidium
Amir Amin khan	CUS-18-SSC- 10151	Synthesis charecterization and optical studies of novel sulfonated schiff base
Umer Fayaz	CUS-18-SSC- 10178	Separation and indentification prochloroperazine and paracetamol from Neuromol tablets by Thin layer chromatography
Mansha Majid	CUS-18-SSC- 1106	Nitroaromatic Detection by Pyrene based schiff bases
Amina Khatoon	CUS-18-SSC- 11541	Ferrocene: A versatile Organometallic Compound with Dynamic Chemobiological Interaction
Muneeba Amin	CUS-18-SSC- 11456	Smart Phone based detection of acetic acid vapours

Sd

HOD Chemistry



List of Students undergoing project work during the session 2023-24

S. No.	Name Of The Student	Registration number	Class roll number	Title of your Project
1.	Misbah Javaid	CUS-18-SSC-10060	181703	Antibacterial and Antioxidant Studies of <i>Fritillaria imperialis</i> L.: An Important Medicinal Plant of Kashmir Himalaya
2.	Musaib Bin Manzoor	CUS-18-SSC-10088	181706	Cytological study of <i>Verbascum thapsus</i> L. in Kashmir Valley
3.	Adfar Tasneem	CUS-18-SSC-10072	181707	Antimicrobial and antioxidant studies of <i>Veronica persica</i> Poir.: A potential medicinal plant growing in Kashmir Himalaya
4.	Rumaisa Yousuf	CUS-18-SSC-10083	181709	Effect of different concentrations of NPK fertilizers on the mycorrhizal associations of <i>Solanum lycopersicum</i> .
5.	Muzamil Haq Wani	Cus-18-ssc-10080	181712	Diversity and distribution of Arbuscular Mycorrhizal fungi in <i>solanum melongena</i>
6.	Farhat Jabeen	CUS-18-SSC-10070	181713	Antimicrobial and antioxidant studies of medicinal plant: <i>Anemone tschernjaewii</i> of Kashmir Himalaya.
7.	Zeeshan Shabeer	CUS-18-SSC-10073	181714	Determination of fungal load of some water bodies of Kashmir
8.	Faiza Noor	CUS-18-SSC-10075	181715	Difference in bacterial load in some water bodies of Kashmir
9.	Kouseena Fayaz	Cus-18-ssc-10085	181716	Mycorrhizal association in different soil texture of <i>solanum lycopersicum</i>
10.	Andleeb Zehra	CUS-18-SSC-10087	181717	Pollen ovule ratio in early spring plants
11.	Alie Owais Manzoor	Cus-18-ssc100052	181718	Comparative effect of GA and SA on seed germination
12.	Yawar Ahmad Ganie	Cus-18-ssc-10074	181720	Effect of SA (1mm) on wheat seed germination exposed to freezing stress
13.	Seerat Jan	Cus-18-ssc-10071	181724	Influence of cadmium chloride on seed germination of <i>Brassica juncea</i>
14.	Mubashir Bin	CUS-18-SSC-	181725	Effect of CdCl ₂ and salicylic acid on

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P.G. DEPARTMENT OF BOTANY
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SRI PRATAP COLLEGE

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MOULANA AZAD ROAD SRINAGAR 190001



	Yousuf	10061		seed germination of wheat seeds
15.	Afreena Barkat	CUS-18-SAC-10077	181729	Status of water pollution in some water bodies of kashmir
16.	Itoo Hafsa	CUS-18-SSC-10053	181731	Effect of EMS on seed germination of maize and fenugreek
17.	Pakeeza Imtiyaz	CUS-18-SSC-10068	181732	Effect of pollutants on leaf anatomy and morphology of Nerium
18.	Malik Aayat Uzma	CUS-18-SSC-10059	181734	Antibacterial and Antioxidant studies of Iris reticulata : An important medicinal plant of Kashmir Himalaya .
19.	Irm Nazir	CUS-18-SSC-10066	181735	Effect of auxin and Coconut water on rooting of rose rose cuttings
20.	Khalid Rehman	Cus-18-SSC-1055	181736	Anthemis cotula invasion causes homogenisation of diverse plant communities
21.	Adil Bashir Bhat	CUS-18-SSC-10054	181737	Mycorrhizal association of colchicum luteum in different locations of Himalayan region
22.	Mubashirah Ayoub	CUS-18-SSC-10076	181738	Effect of Auxin on on the germination of wheat seeds under freezering stress.
23.	Afshana Mushtaq	CUS-18-GWC-11647	181743	"Analysis of the pollen ovule ratio of some of the important plants of Kashmir valley"
24.	Rizwana Bashir	Cus-18-asc-11805	181744	Effect of gibberellic acid on the germination of wheat seeds under salt stress
25.	Farzana Mushtaq	CUS-21-SSC-11448	181749	Cytological studies of Hyoscyamus nigerL
26.	Baiza Zafar Khatayie	CUS-18-SSC-10078	180931	Vegetation analysis of Hokersar wetland
27.	Hafsa Nabi	CUS-18-SSC-10567	181733	Effect of Drought and salinity stress on size and number of Nodules
28.	Kaneez Zainab	CUS-18-SSC-10081	181711	Effect of Nickel Chloride on seed germination of Indian Mustard
29.	Miss Kamiya Hassan	CUS-18-SSC-10678	181728	A study on effect of water quality on the plant biomass
30.	Barjees Majid	CUC-17-GWC-10315	180932	Cytological study of Geranium wallichianum in kashmir valley
31.	Aroosha Bashir	CUS-18-GWC-11987	180933	Cytological study of Berberis lycium in Kashmir valley

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MOULANA AZAD ROAD SRINAGAR 190001



32.	Gazalla Tabasum	CUS-18-SSC-10062	180934	Mychorrhizal status of Viola odorata from different locations in the Kashmir Himalaya
33.	Rabiya Rashid	CUS-21-SSC-11450	181750	Optimising growth and harvesting techniques for selected medicinal and aromatic plants of Kashmir


HoD Botany



Post Graduate Department of Physics
SRI PRATAP COLLEGE
Cluster University

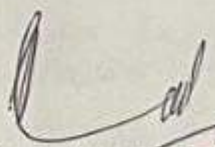
M. A. ROAD SRINAGAR

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Projects Chosen/ allotted to students shown
Students are directed to contact their supervisors in the department:

S. No.	Project Titles	Supervisor/Guide	Students Alloted
01	Silicene Nanoscale Devices and Applications	Dr. Khursheed Ahmad	Peerzada Fayez Feroz (182220) Sajad Ul Islam (182235) Asgar Yousuf (182203) Ulfaat Tahir Mir (182243)
02	Superconducting Qubits in Quantum Computing	Dr. Arfat Firdous	Aaliya Subhan (182212) Afshana Hamid (182221) Tashfa Altaf (182207) Ubaid Aslam Bhat (182236)
03	QGP Droplets in a Hadronic Medium	Dr. Riyaz Ahmad	Zehwa Nazir (182201) Adil Farooq (182224) Syed Owase Ashraf (182215) Faizan Aziz Punoo (182202)
04	Energy Optimization of Various Heating Devices	Prof. Gulzar Ahmad	Muneeb Ahmad Dar (2113759) Sheikh Shadab (1809737) Aamir Hamid Lone (1809747) Waseem Ahmad Lone (2113760)
05	Study of Jet Reconstruction Algorithms in CMS Experiment	Dr. Muzamil Ahmad	Shugufra Showkat (182228) Farhana Mushtaq (182233) Sabaha Zahoor (182231) Irshad Ahmad (182226)
06	Physics in and Around the Nobel Prize		Wasim Rashid (182238) Adnan Irshad (182216) Ackila Hassan (182229) Mahpara Qadir (1822238)


Head of the Department 30/12/2024



Department of Botany Sri Pratap College

Srinagar

(Cluster University Srinagar -190008)



Dated.....

CERTIFICATE

This is to certify that the dissertation entitled "cytological studies of *Geranium wallichianum* D – Don Ex-Sweet in Kashmir valley" submitted by Barjees Majid Mir in partial fulfilment of requirements for the degree of Master of Science in Botany is a record of original work carried out by her under my supervision and guidance.

The results and conclusions embodied in this work have not been submitted to any other university or institution for the award of any degree or diploma.


Barkat Ali

Associate professor
(HOD-Botany department
Department of Botany
Sri Pratap College, Srinagar)
S. P. College, Srinagar


Dr. Ubaid Yaqoob

(Supervisor)
Assistant professor
Govt degree college Anantnag




P.G DEPARTMENT OF BOTANY
S.P. COLLEGE, CLUSTER UNIVERSITY, SRINAGAR
M. A. Road Srinagar- 190001 Ph/Fax: 0194-2476828
E-mail: spcsgr1905@gmail.com website: www.spcollege.edu.in

Date:

CERTIFICATE

This is to certify that the dissertation entitled "**Mycorrhizal status of *Viola odorata* L. from different locations in the Kashmir Himalaya**" is the original piece of work carried out by **GAZALLA TABASUM** under my supervision and has not been submitted or published elsewhere for the award of any degree or diploma.


Dr. Bilal Ahmad Tali
(Supervisor)
Assistant Professor (Botany)
Govt. Degree College _____


Dr. Barkat Ali
(Head)
Department of Botany
S. P. College, Srinagar

POST GRADUATION DEPARTMENT OF BOTANY

SRI PRATAP COLLEGE, SRINAGAR




CERTIFICATE

It is certified that the dissertation entitled "Effect of Water Quality on the Plant Biomass" submitted by **Kamiya Hassan; Roll No.: 181728**, in partial fulfilment for the award of **Integrated Post Graduation (M.Sc.) in Botany from Cluster University, Srinagar** is a record of her own work carried out by her. This work has not been submitted partially or fully so far anywhere for the award of any degree. It is further certified that the student satisfactorily under my supervision and guidance on whole-time basis and she has put in the required attendance in the department.


Supervisor

Dr. Fahima Gul,
(Assistant Professor)


HOD BOTANY
Professor **Barkat Ali,**
Head
Department of Botany
S. P. College, Srinagar



DEPARTMENT OF BOTANY
SRI PRATAP COLLEGE
CLUSTER UNIVERSITY




Dated.....

CERTIFICATE

To certify that the dissertation entitled "*Cytological study of Berberis lycium R. in Kashmir Valley*" submitted by **Aroosha Bashir** to the Department of Botany Sri Pratap College, Srinagar in partial fulfillment of the requirements for the degree of **Master of Science in Botany** is a record of original work carried out by him under my supervision and guidance.

The results and conclusions embodied in this work have not been submitted to any other Institution or University for the award of any degree or diploma.


Dr. Barkat Ali

Associate Professor

Head Department of Botany

Head
Sri Pratap College, Srinagar
Department of Botany
S. P. College, Srinagar


Dr. Ubaid Yaqoob

Assistant Professor

Supervisor

Govt degree college, Anantnag

DEPARTMENT OF BOTANY

Sri Pratap Collage

Cluster University Srinagar, (J&K)-190001

Certificate

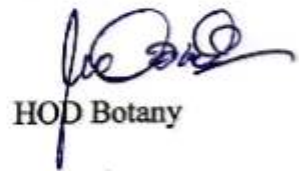
It is certified that the dissertation entitled "**INFLUENCE OF NICKEL CHLORIDE ON THE SEED GERMINATION OF INDIAN MUSTARD**" submitted by **KANEEZ ZAINAB; ROLL NO. 181711** in partial fulfillment for the award of **Integrated Post Graduation (M.Sc) in Botany** from **S.P. College Cluster University, Srinagar** is a record of her own work carried out by her. This work has not been submitted partially or fully so far anywhere for the award of any degree. It is further certified that the student satisfactorily under my supervision and guidance on whole-time basis and she has put in the required attendance in the department.



Supervisor

Dr. Tariq Ahmad

(Assistant Professor)



HOD Botany

Dr. Barkat Ali

Head
Department of Botany
S. P. College, Srinagar



DEPARTMENT OF BOTANY
SRI PRATAP COLLEGE
CLUSTER UNIVERSITY



CERTIFICATE

This is to certify that the project report entitled **EFFECT OF DROUGHT AND SALINITY STRESS ON SIZE AND NUMBER OF NODULES IN *Cicer arietinum*** submitted by **HAFSA NABI (181733)** to the PG Department of Botany, S.P. College, Srinagar in partial fulfilment for the award of the degree of **M. Sc in Botany** is a bonafide record of project work carried out by her under my supervision. The contents of this report, in full or in parts, have not been submitted to any other Institution or University for the award of any degree or diploma.

Prof. Mir Khusrau
Supervisor

Dr. Barkat Ali
H.O.D
PG Dept of Botany
Department of Botany
S. P. College, Srinagar




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E-mail: spcsgr1905@gmail.com website: www.spcollege.edu.in




Date: 27/8/2024

CERTIFICATE

This is to certify that the dissertation entitled "Effect of salicylic acid on the germination of wheat seeds exposed to freezing stress" is the original piece of work carried out by **Mr. YAWAR AHMAD GANIE** under my supervision and has not been submitted or published elsewhere for the award of any degree or diploma.


Prof. Dr. Barket Ali
(Supervisor)



Prof. Dr. Barket Ali
(HOD Botany)
Head

Department of Botany
S. P. College, Srinagar



CERTIFICATE

This is to certify that the dissertation entitled “Antibacterial And Antioxidant Studies of *Fritillaria imperialis* L.: An Important Medicinal Plant of Kashmir Himalaya” submitted in partial fulfilment of the requirement for Degree of Master of Science in Botany is a record of original work done by **Misbah Javaid (CUS-18-SSC-10060)** under my guidance and supervision. The dissertation has not been submitted for the award of any other Degree or Diploma.


Prof. Wahid Iqbal
Supervisor

Date :


Dr. Barkat Ali

HOD Botany
Department of Botany
S. P. College, Srinagar

CERTIFICATE



This is to certify that M.Sc. dissertation entitled as “Effect of Auxin (IAA) and coconut water on the rootings of rose cuttings” submitted by **Iram Nazir Wani** during the year 2024 in the partial fulfillment of the requirements for the award of Degree of Master of Science in botany, Department of Botany, Sri Pratap College, Cluster university Srinagar, Jammu and Kashmir. It's further certified that this work has not been submitted to any university for the award of any degree/diploma.


Head

Department of Botany
S. P. College, Srinagar



Prof Mir Khusrav
Assistant professor

PG Department of botany
Sri Pratap College
Srinagar - 190001



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S.P. COLLEGE, CLUSTER UNIVERSITY, SRINAGAR
M. A. Road Srinagar- 190001 Ph/Fax: 0194-2476828
E-mail: spcsgr1905@gmail.com website: www.spcollege.edu.in




Date: 29/08/2024

CERTIFICATE

This is to certify that the dissertation entitled "*ANTHEMIS COTULA* INVASION CAUSES HOMOGENISATION OF DIVERSE PLANT COMMUNITIES" is the original piece of work carried out by Mr. KHALID REHMAN under my supervision and has not been submitted or published elsewhere for the award of any degree or diploma.


Dr. Fahima Gul
(Supervisor)



Dr. Barkat Ali
(HOD Botany)
Department of Botany
S. P. College, Srinagar

P.G DEPARTMENT OF BOTANY
SRI PRATAP COLLEGE, CLUSTER UNIVERSITY, SRINAGAR
M.A. Road Srinagar-190001

CERTIFICATE

This is to certify that M.Sc. dissertation entitled as "Effect of cadmium chloride on seed germination of *Brassica juncea*" submitted by SEERAT JAN during the year 2024 in the partial fulfilment of the requirements for the award of Degree of Master of Science in Botany, Department of Botany, Sri Pratap College, Srinagar, Jammu and Kashmir. It's further certified that this work has not been submitted to any university for the award of any degree/Diploma.


Dr. Tariq Ahmad Dar
Supervisor
PG Department of Botany
Sri Pratap College
Srinagar-190001


Head
Department of Botany
S. P. College, Srinagar

Ad Aethera Tendentis



DEPARTMENT OF BOTANY

SRI PRATAP COLLEGE
CLUSTER UNIVERSITY





Dated. 02-09-2024

CERTIFICATE

This is to certify that the dissertation entitled "**Cytological study of *Verbascum thapsus* L. in Kashmir Valley**" submitted by **Musaib bin Manzoor** to the Department of Botany Sri Pratap College, Srinagar in partial fulfillment of the requirements for the degree of **Master of Science in Botany** is a record of original work carried out by him under my supervision and guidance.

The results and conclusions embodied in this work have not been submitted to any other Institution or University for the award of any degree or diploma.


Dr. Barkat Ali
Head
Department of Botany
Associate Professor
(Head department of Botany)
Sri Pratap College, Srinagar


Dr. Ubaid Yaqoob
(Supervisor)
Assistant Professor
Govt degree college, Anantnag




PG DEPARTMENT OF BOTANY
SRI PRATAP COLLEGE, CLUSTER UNIVERSITY
M. A. ROAD, SRINAGAR - 190001

CERTIFICATE

This is to certify that the dissertation entitled "*Antibacterial and Antioxidant Activity of Veronica Persica Poir.: A Potential Medicinal Plant growing in Kashmir Himalaya*" submitted in partial fulfilment of the requirement for Degree of Master of Science in Botany is a record of original work done by **Ms. Adfar Tasneem (CUS-18-SSC-10072)** under my guidance and supervision. The dissertation has not formed the basis for the award of any other Degree or Diploma to any student of any University.


Dr. Shazia Mushtaq
(Supervisor)

Date :


Dr. Banket Ali
Head
Department of Botany
S. P. College, Srinagar

Date :



PG Department Of Botany
Sri Pratap College, Cluster University
M.A. Road, Srinagar-190001

CERTIFICATE

This is to certify that the dissertation project entitled "*Effect Of Different Concentrations Of NPK Fertilizers On The Diversity Of Mycorrhizal Associations Of Solanum Lycopersicum (Tomato Plant)*" Submitted By Rumaisa Yousuf, Roll No 1809300, Sri Pratap College, Cluster University Srinagar in partial fulfillment of award of Masters of Science in Botany for the academic year 2023-2024 is a bonafide record of dissertation project , undertaken from 21st December 2023 to 30th May 2024, under my guidance and supervision

Dr. Shazia Mushtaq

Supervisor

Dr. Barkat Ali

HOD Botany
Department of Botany
S. P. College, Srinagar



Department of Botany Sri Pratap College
Srinagar
(Cluster university Srinagar- 190008)



Dated.....

CERTIFICATE

This is to certify that the dissertation entitled “Analysis of Pollen ovule ratio of some of the important plants found in Kashmir valley” submitted by Afshana Mushtaq in partial fulfillment of the requirements for the degree of Master of Science in Botany is a record of original work carried out by her under my supervision and guidance.

The results and conclusions embodied in this work have not been submitted to any other university or institution for the award of any degree or diploma.


Barkat Ali

Associate professor
(HOD – Botany department
Sri Pratap College Srinagar)
S. P. College, Srinagar


Dr. Ubaid Zaqoob

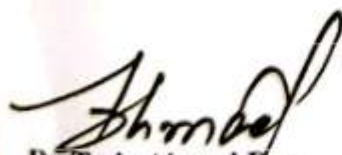
(Supervisor)
Assistant professor
Govt degree college
Anantnag

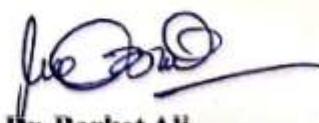
P.G DEPARTMENT OF BOTANY
S.P. COLLEGE, CLUSTER UNIVERSITY, SRINAGAR
M. A. Road Srinagar



CERTIFICATE

This is to certify that the dissertation entitled "Optimizing growth and harvesting techniques for selected Medicinal and aromatic plants of Kashmir " is the original piece of work carried out by Rabiya Rashid and has been carried under our supervision and guidance to our entire satisfaction for the partial fulfilment of requirements for the award of masters in botany. This work undertaken by her has not been submitted or published elsewhere for the award of any degree or diploma.


Dr. Tariq Ahmad Dar
(Supervisor)


Dr. Barkat Ali
(HOD Botany) **Head**
Department of Botany
S. P. College, Srinagar



Department of Botany Sri Pratap College
Srinagar





(Cluster university Srinagar-190008)

Dated.....

CERTIFICATE

This is to certify that the project report entitled "**Cytological study of *Hyoscyamus niger* L. in Kashmir valley** " submitted by **FARZANA MUSHTAQ** to the Department of Botany Sri Pratap College Srinagar in partial fulfilment for the award of the degree of M. Sc. in Botany is a bonafide record of project work carried out by her under my supervision. The contents of this report, in full or in parts, have not been submitted to any other Institution or University for the award of any degree or diploma.


Dr. Barkat Ali
Head
Department of Botany
Associate professor
(HOD -botany department
Sri Pratap College, Srinagar)


Dr. Ubaid Yaqoob
(Supervisor)
Assistant professor
Govt degree college
Anantnag



P.G. DEPARTMENT OF BOTANY

S.P. COLLEGE, CLUSTER UNIVERSITY, SRINAGAR

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E-mail: spcser1905@gmail.com website: -www.spcollege.edu.in



Certificate

Date: 27/08/2024

This is to certify that the dissertation entitled "*Mycorrhizal status of Colchicum luteum L.* from different locations in the Kashmir Himalaya" is the original piece of work carried out by **Mr. ADIL BASHIR BHAT** under my supervision and has not been submitted or published elsewhere for the award of any degree or diploma.

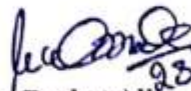
Cluster University Srinagar

Dr. Bilal Ahmad Adil Ahmad Taji
(Supervisor)
Assistant Professor (Botany)
Govt. Degree College, Srinagar

(HOD Botany)
Dr. Barkat Ali
27/08/2024
Department of Botany
S. P. College, Srinagar

CERTIFICATE

This is to certify that M. Sc. dissertation entitled as "*Effect of Gibberellic acid on the germination of wheat seeds under salt stress*" is submitted by **Rizwana Bashir** to the Department of Botany, Sri Pratap College, Srinagar, Jammu and Kashmir during the year 2024 in the partial fulfilment of the requirements for the award of Degree of Master of Science in Botany, It's further certified that the work presented here is an original piece of work conducted under my supervision and has not been submitted to any university for the award of any degree/Diploma.


23/08/2024
Dr. Barkat Ali
Head
Supervisor and Head of the
Department of Botany
S. P. College, Srinagar
Srinagar-190001



PG DEPARTMENT OF BOTANY
SRI PRATAP COLLEGE, CLUSTER UNIVERSITY
M. A. ROAD, SRINAGAR - 190001



CERTIFICATE


I certify that **Seema Mushtaq Zargar** has prepared the dissertation entitled "**Effect of Gibberellic acid on seed germination of some important medicinal plants of Kashmir Himalaya**" for the award of masters degree of the Cluster University Srinagar , under my guidance. She has carried out the work at the Department of Botany, Sri Pratap College, Cluster University Srinagar.

She bears a good moral character and I wish him all the best in life.


Dr. Shaazia Mushtaq

Supervisor

Date :


Dr. Barkat Ali
Department of Botany
S.P. College, Srinagar

Date :

CERTIFICATE



This is to certify that M.Sc. dissertation entitled as "Effect of pollutants on leaf Morphological and Anatomical parameters of Nerium" submitted by **Pakeeza Imtiyaz** during the year 2024 in the partial fulfilment of the requirements for the award of Degree of Master of Science in Botany, Department of Botany, Sri Pratap College, Srinagar, Jammu and Kashmir. It's further certified that this work has not been submitted to any university for the award of any degree/Diploma.

Professor Mir Khusrau
Supervisor
PG Department of Botany
Sri Pratap College
Srinagar-190001

Head of Department
Department of Botany
S. P. College, Srinagar



P.G DEPARTMENT OF BOTANY
S.P. COLLEGE, CLUSTER UNIVERSITY, SRINAGAR

M. A. Road Srinagar- 190001

E-mail: spcsgr1905@gmail.com website: www.spcollege.edu.in



CERTIFICATE

This is to certify that the student namely **ALIE OWAIS MANZOOR**
(Registration no. **CUS-18-SSC-10052** has successfully completed his
dissertation work entitled "**Comparative effect of gibberlic acid and
salicyclic acid on seed germination of fenugreek**" under my
supervision and has not been submitted or published elsewhere for the
award of any degree or diploma.

Supervisor

Dr. Tariq Ahmad Dar
S.P Collage ,
Srinagar

HOD

Dr. Barkat Ali
S.P Collage,
Srinagar
Head
Department of Botany
S. P. College, Srinagar



PG DEPARTMENT OF BOTANY
SRI PRATAP COLLEGE, CLUSTER UNIVERSITY
M. A. ROAD, SRINAGAR - 190001

CERTIFICATE

This is to certify that the dissertation titled "ANTIBACTERIAL AND ANTIOXIDANT STUDIES ON *IRIS RETICULATA* M. Bieb.: AN IMPORTANT MEDICINAL PLANT OF KASHMIR HIMALAYA" has been completed by *Ms. Malik Aayat Uzma* (CUS-18-SSC-10059) as a part of the requirements for the Degree of Master of Science in Botany. The work presented in this dissertation is the result of her original research, carried out under my supervision. It has not been submitted, in whole or in part, for any other degree or diploma at this or any other university.


Prof. Wahid Iqbal

Supervisor

Date :


Dr. Barkat Ali

Head

HOD Botany

Department of Botany
S. P. College, Srinagar

CERTIFICATE

This is to certify that M.Sc.dissertation entitled as "**Effect of Auxin on the germination of wheat seeds under freezing stress**" submitted by **Mubashirah Ayoub** during the year 2024 in the partial fulfilment of the requirements for the award of Degree of Master of Science in Botany, Department of Botany, Sri Pratap College, Srinagar, Jammu and Kashmir. It's further certified that this work has not been submitted to any university for the award of any degree/Diploma.


Dr Barkat Ali
Supervisor and Head
PG Department of Botany
Department of Botany
S. P. College, Srinagar-190001

Certificate



This is to certify that the dissertation entitled "Anti-bacterial and Antioxidant Studies on *Anemone tschernaewii* Regel, an Important Medicinal Plant of Kashmir Himalaya" submitted in partial fulfillment of the requirements for the award of the degree of Masters in Botany, to the PG Department of Botany, S.P. College, Cluster University Srinagar, is the record of bonafide research work carried out by Ms Farhat Jabeen (CUS-18-SSC-10070) under my supervision and guidance has not been submitted or published elsewhere for the award of any degree or diploma.

It is further certified that information received during the course of investigation has been duly acknowledged.

Dr Bilal Ahmad Tali
Supervising **AL AHMAD TALI**
Assistant Professor (Botany)
Govt. Degree College _____

Dr Barkat Ali
Head of Botany
Department of Botany
S. P. College, Srinagar



Govt. of Jammu and Kashmir

P.G DEPARTMENT OF BOTANY

S.P. COLLEGE, CLUSTER UNIVERSITY, SRINAGAR



M. A. Road Srinagar- 190001 Ph/Fax: 0194-2476828

E-mail: spesgr1905@gmail.com website: www.spcollege.edu.in

CERTIFICATE

This is to certify that the student namely MUZAMIL HAQ WANI (Registration No. CUS-18-SSC-10080) has successfully completed his dissertation work entitled “Effect of Different Concentrations of NPK Fertilizers on Mycorrhizal status of *Solanum melongena* L.” under my supervision and has not been submitted or published elsewhere for the award of any degree or diploma.

Dr. Bilal Ahmad TAHIR TALI
Assistant Professor (Botany)
(Supervisor)
Govt. Degree College

Dr. Barkat Ali
(HoD Botany)
Department of Botany
S. P. College, Srinagar



CERTIFICATE

This is to certify that the dissertation entitled as " POLLEN TO OVULE RATIO OF SOME SELECTED PLANT SPECIES OF KASHMIR HIMALAYA" has been completed by **Andleeb Zehra** in the partial fulfillment of the requirements for the award of Degree of Master of Science in Botany, Sri Pratap College, Srinagar. It is further certified that this work has not been submitted any where for the award of any degree/Diploma.

Dr Bilal Ahmad Tali
Supervisor

Mr. BILAL AHMAD TALI
Assistant Professor (Botany)

Sri Pratap College

Dr Barkat Ali
Head

Department of Botany
S. P. College, Srinagar



CERTIFICATE

This is to certify that the dissertation entitled as “Effect of Different Soil Texture on Mycorrhizal status of *Solanum lycopersicum*: An Economically Important plant species” has been completed by **Kouseena Fayaz** in the partial fulfillment of the requirements for the award of Degree of Master of Science in Botany, Sri Pratap College, Srinagar. It is further certified that this work has not been submitted any where for the award of any degree/Diploma.


Prof. Wahid Iqbal
Supervisor


Dr. Barkat Ali
Head

Department of Botany
S. P. College, Srinagar

PG DEPARTMENT OF CHEMISTRY

Sri Pratap College Srinagar

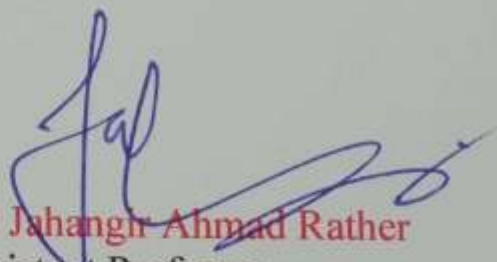
Cluster University Srinagar, Kashmir 190001

CERTIFICATE

This is to certify that the work presented in this dissertation entitled "synthesis and characterization off graphene- metal nanocomposites". Is original contribution by SAMREENA AKRAM, student of Masters of sciences in chemistry (10thsemester), underEnrolment number 181835 department of chemistry Sri Pratap College Srinagar, for the award of the degree of integrated course in chemistry, is a bonafide record of the project work done by her under our supervision.



Prof. Fayaz Ahmad Butt
Head of Department
Dept. of Chemistry
S P College Srinagar



Dr. Jahangir Ahmad Rather
Assistant Professor
Dept. of chemistry
S. P. College Srinagar

Department of Chemistry
Sri pratab college Srinagar
(NAAC Accredited Grade - A+)
MA Road Srinagar
J & K, 190001

CERTIFICATE

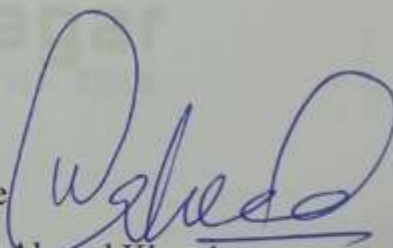
This is to certify that the work presented in this dissertation entitled "*synthesis characterization and optical studies of novel sulfonated Schiff base*" is original contribution by **AAMIR AMIN KHAN**, student of Masters of Sciences in Chemistry (10th semester), under enrolment number 181838 Department of Chemistry Sri Pratap College Srinagar. The work has been carried out successfully by the student under my supervision and is suitable for submission for the partial fulfillment of the award of the degree of M. Sc. in Chemistry. It is further certified that the candidate has put in the required attendance in the department and has fulfilled all the other university protocols required for this submission.

Signature 

Dr. Dar Aijaz Ahmad

Assistant professor,

Department of chemistry, University of Kashmir.

Signature 

Dr. Waheed Ahmad Khanday

, Department of chemistry,

Sri Pratab College Srinagar

DECLARATION

I declare that the project entitled, "*Synthesis and Characterization of Functionalized Graphene Quantum dots: Application for Photodegradation of p-Nitrophenol* " is a bonafide record of my own research work conducted under the supervision of **Dr. Jahangir Ahmad Rather**, at Department of Chemistry, Sri Pratap College , Srinagar.

I further declare that to the best of my knowledge the project does not contain any part of any work, which has been submitted for the award of Master's degree in any other university/institution.

Signature of the Supervisor

(Dr. Jahangir Ahmad Rather)

Assistant Professor

Department of Chemistry

Sri Pratap College

Srinagar.

Signature of the Candidate

(Aabida Jan)

HOD

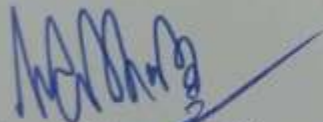
PG DEPARTMENT OF CHEMISTRY

Sri Pratap College, Srinagar

Cluster University Srinagar, J&K

ACCEPTANCE CERTIFICATE

The Project Report entitled "**Molecular Dynamic Simulation of SAMHD1 Protein**" submitted by **Iqra Hamid** under the registration **CUS-18-GWC-11851**, to Sri Pratap College, Srinagar, in partial fulfilment of the requirements for the degree of Master of Science in Chemistry has been done by her under the supervision of **Prof. Swati Bhattacharya** (Associate professor-IIT Bombay) and our guidance in **Indian Institute of Technology, Bombay**. The contents of this project work, in full or in parts, have not been submitted to any other institute or university for the award of any degree or diploma.

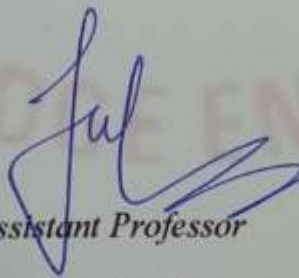


Head of Department

Dr Fayaz Ahmad

Department Of Chemistry

S. P. College Srinagar

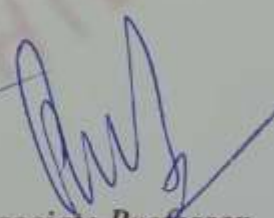


Assistant Professor

Dr Jahangir Rather

Department of Chemistry

S. P. College Srinagar



Associate Professor

Prof. Swati Bhattacharya

Dept. Of Chemical engineering

IIT Bombay

Stimuli Responsive Emission Color Tunable Fluorescent System as Fe^{2+} Sensor in Aqueous Medium

Project Report Submitted By

FARHEEN SHAFIQ

(CUS-18-SSC-10173)

For the Partial fulfillment of the Award of Degree of

Masters in Science (MSc)

In

Chemistry

Under the Joint Supervision of

Prof. Aijaz Ahmad Dar
(Supervisor)
Professor, Department of Chemistry,
University of Kashmir

Dr. Jahangir Ahmad Rather
(Co-Supervisor)
Assistant Professor, Department of
Chemistry, SP College Srinagar



POSTGRADUATE DEPARTMENT OF CHEMISTRY

SRI PRATAP COLLEGE SRINAGAR


CLUSTER UNIVERSITY SRINAGAR

Certificate

This is to certify that the project report entitled "**Stimuli Responsive Emission Color Tunable Fluorescent System as Fe^{3+} Sensor in Aqueous Medium**" submitted by **Ms. Farheen Shafiq** in partial fulfillment of the requirements for the award of MSc degree is the original research work carried out by her under our supervision.

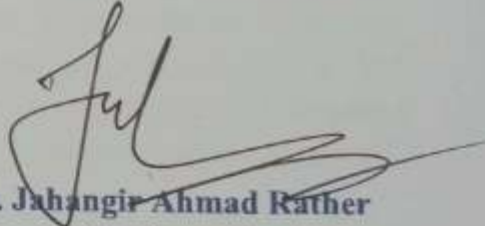
It is also certified that

1. This project report has not been submitted in this or any other university for the award of any degree or diploma.
2. The candidate has worked under our supervision for the period as required under the statutes.
3. The candidate has put in the required attendance in the department.
4. The conduct of the candidate remained very good during the period of the research.


Prof. Aijaz Ahmad Dar
(Supervisor)

Professor, Department of Chemistry,
University of Kashmir

Head,
Department of Chemistry,
University of Kashmir, Srinagar


Dr. Jahangir Ahmad Rather
(Co-Supervisor)

Assistant Professor, Department of
Chemistry, SP College Srinagar


HOD

CERTIFICATE

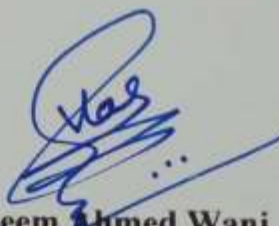
This is to certify that the project report entitled, "**Green Synthesis of Aspirin and its Identification by Comparison with Aspirin Extracted from Ecosprin 75 mg Tablets**" submitted by Mahak Riyaz under the Registration number CUS-18-SSC-10152, to Sri Pratap College, Srinagar, for the award of the degree of **Master of Science in Chemistry**, is a bonafide record of the project work done by her under our supervision. The contents of this project work, in full or in parts, have not been submitted to any other Institute or University for the award of any degree or diploma.



Head of Department

Prof. Fayaz Ahmad Butt

Dept. of Chemistry
S. P. College Srinagar.



Supervisor

Dr. Waseem Ahmed Wani

Dept. of Chemistry
S. P. College Srinagar



PG DEPARTMENT OF CHEMISTRY
Sri Pratap College Srinagar
Cluster University Srinagar, Kashmir 190001



Ref. No.....

Dated.....

CERTIFICATE

This is to certify that the project report entitled, "**Pyrene-based Schiff base as Invisible Ink**" submitted by **KHUSHBOO BASHIR** under the Registration number CUS-18-SSC-10179, to Sri Pratap College, Srinagar, for the award of the degree of **Integrated Course in Chemistry**, is a bonafide record of the project work done by her under our supervision. The contents of this project work, in full or in parts, have not been submitted to any other Institute or University for the award of any degree or diploma.

Head of Department.
Prof. Fayaz Ahmad
Dept. of Chemistry
S. P. College Srinagar.

Assistant Professor
Prof. Akhtar Hussain Malik
Dept. of Chemistry
S. P. College Srinagar



Synthesis and Characterization of co-doped Graphene Quantum Dots and application for Photocatalytic degradation of Resorcinol (EDC)



PROJECT REPORT

Submitted in partial fulfillment for the Award of Degree of Masters in Chemistry

By

Midhat Batool

Enrollment No.:181840

Registration No.:CUS-18-SSC-10184

Under the supervision of

Dr. Jahangir Ahmad Rather

Assistant professor, Department of Chemistry, Sri Pratap College, Srinagar

PG DEPARTMENT OF CHEMISTRY

Sri Pratap College Srinagar

Cluster University Srinagar, Kashmir

2024

DECLARATION

I declare that the project entitled, "*Synthesis and Characterization of co-doped Graphene Quantum Dots and application for Photocatalytic degradation of Resorcinol (EDC)*" is a bonafide record of my own research work conducted under the supervision of **Dr. Jahangir Ahmad Rather**, at Department of Chemistry, Sri Pratap College, Srinagar.

All the data and information in this report were obtained from reliable sources, which have been acknowledged and listed in the references. Where other sources were used, they have been properly credited. I take full responsibility for the accuracy and authenticity of the report.

I also confirm that the report follows the ethical standards set by Cluster University Srinagar for academic work.

I further declare that to the best of my knowledge the project does not contain any part of any work, which has been submitted for the award of Master's degree in any other university/institution

(Signature of the Mentor)

(Dr. Jahangir Ahmad Rather)

Assistant Professor
Department of Chemistry
Sri Pratap College Srinagar.

(Signature of the candidate)

(Midhat Batool)

Midhat Batool
HOD



PG DEPARTMENT OF CHEMISTRY
Sri Pratap College Srinagar
Cluster University Srinagar, Kashmir 190001



Ref. No.....

Dated.....

CERTIFICATE

This is to certify that the project report entitled, '**Synthesis and characterization of silver/polyaniline nanocomposite: An efficient catalyst for the photocatalytic degradation of Rhodamine B**' dye submitted by **SHAGUFTA SAMEEN** under the Registration number CUS-18-SSC-10175, to Sri Pratap College, Srinagar, for the award of the degree of **Master of Science in Chemistry**, is a bonafide record of the project work done by her under our supervision. The contents of this project work, in full or in parts, have not been submitted to any other Institute or University for the award of any degree or diploma.

Head Of Department.

Prof. Fayaz Ahmad
Dept. of Chemistry
S. P. College Srinagar

Professor

Prof. Mohsin Ahmad Bhat
Dept. of Chemistry
University of Kashmir


Assistant Professor

Dr. Akhtar Hussain Malik
Dept. of Chemistry
S. P. College Srinagar


CERTIFICATE

This is to certify that this is a bonafide work done by Umer Fayaz, during the year 2023-24 in partial fulfillment of the requirements for the award of the degree of Master of Science in Chemistry, Department of Chemistry, S.P. college campus, Cluster University Srinagar, Jammu and Kashmir, India. It is further certified that this work has not been submitted to any University for the award to any Degree/Diploma.

Supervisor


Dr. Waseem Ahmad Wani.
Assistant Professor, Chemistry
Sri Pratap College Srinagar

H.O.D.


Prof. Fayaz Ahmad Butt
Associate Professor, Chemistry
Sri Pratap College Srinagar.

CERTIFICATE

This is to certify that the dissertation entitled, "*Green Synthesis of Paracetamol, and its Identification by Comparison with Paracetamol Extracted from Dolo-650 Tablets*" submitted in partial fulfilment of the requirement for the award of the degree of Master of science in Chemistry to the Postgraduate Department of Chemistry, Sri Pratap College, Cluster university Srinagar. This dissertation is compiled by Mr. Azharudin Khursheed bearing Roll. No. 181804 under my supervision and guidance. This project report has not been submitted for any other degree or diploma. It is further certified that the student satisfactorily worked under our guidance on whole-time basis for the period required under statutes and has put in the required attendance in the department.

Supervisor

Dr. Waseem Ahmad Wani
Department of Chemistry
S.P. College, Cluster University Srinagar

H.O.D

Prof. Fayaz Ahmad Butt
Head, Department of Chemistry
S.P. College, Cluster University Srinagar

KNOWLEDGE ENLIGHTENS

SYNTHESIS AND CHARACTERIZATION OF NOVEL Pd BASED METALLOSURFACTANT

DISSERTATION SUBMITTED FOR THE PARTIAL FULFILLMENT OF
THE DEGREE OF
MASTERS OF SCIENCE

IN
CHEMISTRY
SUBMITTED BY
IRFAN AHMAD DAR

ENROLMENT NUMBER:-1809369

UNDER THE SUPERVISION OF

PROF. MOHSIN AHMAD BHAT AND DR WAHEED AHMAD KHANDAY



DEPARTMENT OF CHEMISTRY
SCHOOL OF PHYSICAL AND MATHEMATICAL
SCIENCES UNIVERSITY OF KASHMIR
(NAAC ACCREDITED GRADE
“A+”) HAZRATBAL, SRINAGAR,
J&K, INDIA 190006
2023

CERTIFICATE

This is to certify that the work presented in this dissertation entitled "SYNTHESIS AND CHARACTERIZATION OF NOVEL Pd BASED METALLOSURFACTANT" is original contribution by IRFAN AHMAD DAR, student of Masters of Sciences in Chemistry (10th semester), under enrolment number 181824 Department of Chemistry sp college Srinagar . The work has been carried out successfully by the student under my supervision and is suitable for submission for the partial fulfillment of the award of the degree of M.Sc. in Chemistry. It is further certified that the candidate has put in the required attendance in the department and has fulfilled all the other university protocols required for this submission.

Signature

Dr Waheed Ahmad khanday

Department of chemistry,

Sri pratap College Srinagar

Signature

Prof Mohsin Ahmad bhat

Department of chemistry

Kashmir university

Signature and Seal

Head of the Department



PG DEPARTMENT OF CHEMISTRY
Sri Pratap College Srinagar
Cluster University Srinagar, Kashmir 190001



Ref.No.....

Dated.....

CERTIFICATE

This is to certify that the project report entitled, "**SMART PHONE BASED DETECTION OF ACETIC ACID VAPOURS**" submitted by MUNEEBA AMIN under the Registration number CUS-21-SSC-11456, to Sri Pratap College, Srinagar, for the award of the degree of **Master of Science in Chemistry**, is a bonafide record of the project work done by her under our supervision. The contents of this project work, in full or in parts, have not been submitted to any other Institute or University for the award of any degree or diploma

Head of the Department.

Prof. Fayaz Ahmad Butt

Dept. of Chemistry

S.P College Srinagar

Supervisor

Dr. Akhtar Hussain Malik

Dept. of Chemistry

S.P College Srinagar



Chemoprofiling and biological evaluation of medicinal Tree Ligustrum Lucidum

A dissertation

submitted in partial fulfillment of the requirements for

the Award of the Degree of

Master of Science

In

Chemistry

with specialization in

Organic Chemistry

By

Mohammad Aamir Lone

Enrolment No. 1809379

Registration No. CUS-18-SSC-10170

Under the Supervision of

Prof. Syed Wajahat Amin Shah

(Laboratory of Natural Product and Designing Organic Synthesis,

Department of Chemistry, University of Kashmir)

&

Dr. Akhter Hussain

(Department of Chemistry, S. P College,

Cluster University, Srinagar)

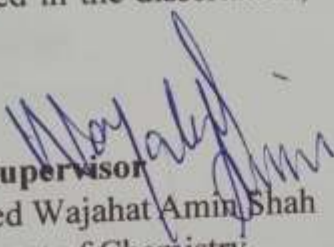
Chemo profiling and biological evaluation of medicinal Tree-Ligustrum Lucidum



CERTIFICATE OF APPROVAL

The dissertation titled "*Chemoprofiling and Biological Evaluation of Medicinal tree-Ligustrum Lucidum*" is hereby approved as a creditable study of the research topic and has been presented satisfactorily to warrant its acceptance as a prerequisite to the degree for which it has been submitted.

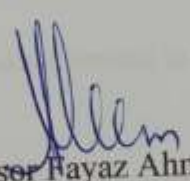
It is understood that the undersigned does not necessarily accept any result reached or opinion expressed in the dissertation, but rather approves it for the purpose for which it was submitted.


Supervisor

Professor Syed Wajahat Amin Shah
Department of Chemistry
University of Kashmir, Srinagar


Supervisor

Dr. Akhter Hussain
Department of Chemistry
S. P College, Srinagar


Professor Fayaz Ahmad

Head of the Department Department of Chemistry
S.P College, Srinagar

CERTIFICATE

This is to certify that the project report entitled, **“From waste to wealth: extracting secondary metabolites from the marc of lavender, isolation and characterisation”** submitted by **Rumaisa Rashid** under Registration number **CUS-18-GWC-11915**, to Sri Pratap College, Srinagar, for the award of the degree of Master of Science in Chemistry, is a bonafide record of the project work done by her under our supervision. The contents of this project work, in full or in parts, have not been submitted to any other Institute or University for the award of any degree or diploma.

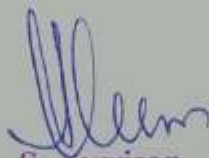


Head Of Department

Prof. Fayaz Ahmad

P.G. Dept. of Chemistry

SP College, Srinagar



Supervisor

Prof. Abdul Haleem Wani

P.G. Dept. of Chemistry

SP College, Srinagar



Supervisor

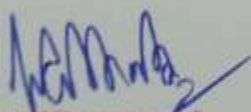
Dr. Syed Khalid

Scientist

CSIR IIIM Srinagar

CERTIFICATE

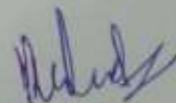
This is to certify that the project report entitled, "**Isolation of Withaferin A from leaves of *Withania somnifera* and α -halogenation of Ring A**" submitted by **SYED MUNEESA** under the Registration number CUS-18-SSC-10168, to Sri Pratap College, Srinagar, for the award of the degree of Master of Science in Chemistry, is a bonafide record of the project work done by her under our supervision. The contents of this project work, in full or in parts, have not been submitted to any other Institute or University for the award of any degree or diploma.



Head Of Department
Prof. Fayaz Ahmad
P.G. Deptt. of Chemistry
SP College, Srinagar



Supervisor
Prof. Abdul Haleem Wani
P.G. Deptt. of Chemistry
SP College, Srinagar



Supervisor
Dr. Syed Khalid Yousuf
Scientist
CSIR IIIM Srinagar



Ref. No.....

Dated.....

CERTIFICATE

This is to certify that the project report entitled, "**Ferrocene: A Versatile Organometallic Compound with Dynamic Chemico-biological Interaction**" submitted by AMINA KHATOON under the Registration number CUS-18-GWC-11541, to Sri Pratap College, Srinagar, for the award of the degree of **Master of Science in Chemistry**, is a bonafied record of the project work done by her under our supervision. The contents of this project work, in full or in parts, have not been submitted to any other Institute or University for the award of any degree or diploma.

Head Of Department,
Prof. Fayaz Ahmad
Dept. of Chemistry
S. P. College Srinagar.

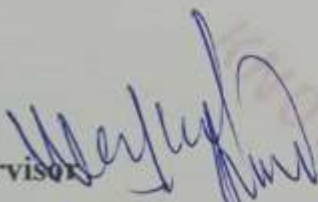
Associate Professor
Prof. Masood Ahmed Razvi
Dept. of Chemistry
University of Kashmir

Assistant Professor
Prof. Waheed Khanday
Dept. of Chemistry
S. P. College Srinagar



CERTIFICATE


This is to certify that the work presented in this dissertation entitled "**Chemoprofiling and Bioactivity Evaluation of medicinal plant - *Rosmarinus officinalis***" is original contribution by **SAQIB MUZAFAR WANI**, student of 5-year Integrated Chemistry Course (10th semester), under registration no. CUS-18-SSC-10172, Department of Chemistry, S.P. College, Cluster University Srinagar. The work has been carried out successfully by the student under my supervision and is suitable for submission for the partial fulfillment of the award of the degree of M. Sc. in Chemistry. It is further certified that the candidate has put in the required attendance in the department and has fulfilled all the other university protocols required for this submission.


Supervisor

Professor Syed Wajaht Amin Shah

Department of Chemistry


University of Kashmir, Srinagar


Co-Supervisor

Professor Syed Noorul Sabah

Department of Chemistry

SP College, Srinagar


Signature and Seal

Head of the Department

Research Projects Carried out By IG 10th Semester students of Information Tecnology during 2023-24

CERTIFICATE

This is to certify that the project/research work entitled "*Smart Automation Using NodeMCU ESP32 and Blynk Server*", submitted to the PG Department of Information Technology, S.P. College, Cluster University of Srinagar, in partial fulfillment for the award of the degree of Masters in Information Technology, is a record of Bonafide work carried out by "*Mushtaq Ahmed Bhat* (Reg. No.: CUS-18-Set-10667)" and "*Mir Muzamil Habib* (Reg. No.: CUS-18-SET-10658)", under supervision of "*Dr. Wasim Akram Zargar*" and co-supervisor "*Dr. Khursheed Ahmad*".

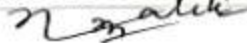
Further Certified:

1. No part of this report has been submitted elsewhere for award of any other degree.
2. The candidate has worked for the period required under rules.
3. The candidates were present in the department during the period.


Supervisor

Dr. Khursheed Ahmad

EXTERNAL EXAMINER



Dr. Wasim

Head

PG Department of Information Technology

CERTIFICATE


This is to certify that the project/research work entitled "*Automatic Question Paper Generator*", submitted to the PG Department of Information Technology, S.P. College, Cluster University of Srinagar, in partial fulfillment for the award of the degree of Masters in Information Technology, is a record of Bonafide work carried out by "*AAMIR BASHIR KHAN* (Reg.No : CUS-18-SET-10662) and *ZAHID BASHIR* (Reg No :CUS-18-SET-10676)", under supervision of "*DR. KHURSHEED AHMAD*".

Further Certified:

1. No part of this report has been submitted elsewhere for award of any other degree.
2. The candidate has worked for the period required under rules.
3. The candidates were present in the department during the period.


DR. KHURSHEED AHMAD

SUPERVISOR


External Examiner


DR. WASEEM ZARGAR
DEPT. OF INFORMATION TECHNOLOGY
S.P. COLLEGE, SGR.

Head


PG Department of Information Technology

CERTIFICATE

is is to certify that the project/research work entitled "*Automatic Question Paper Generator*", submitted the PG Department of Information Technology, S.P. College, Cluster University of Srinagar, in partial fulfillment for the award of the degree of Masters in Information Technology, is a record of Bonafede work carried out by "*AAMIR BASHIR KHAN* (Reg.No : CUS-18-SET-10662) and *ZAHID BASHIR* (Reg No :CUS-18-SET-10676)", under supervision of "*DR. KHURSHEED AHMAD*".

Further Certified:

- .. No part of this report has been submitted elsewhere for award of any other degree.
- 1. The candidate has worked for the period required under rules.
- 2. The candidates were present in the department during the period.



DR. KHURSHEED AHMAD

SUPERVISOR



External Examiner



DR. WASEEM KHAN ZARGAR
DEPT. OF INFORMATION TECHNOLOGY
S.P. COLLEGE, SGR.

Head

PG Department of Information Technology



CERTIFICATE

This is to certify that the project entitled

COLLEGE ENQUIRY CHATBOT

Submitted By

FAHAD NASEER

182129

Is the bonafide work carried out by me under supervision of **Dr. KHURSHEED AHMAD**, and is approved for the partial fulfillment of the requirement for the award of the degree of Masters of Science (**Information Technology**) of Sri Pratap College, Cluster University Srinagar, during the academic year 2024. This Project Report has not been earlier submitted to any other institute or university for the award of any Degree.


MR. KHURSHEED AHMAD

Internal Guide Department (IT)


WASIM AKRAM ZARGAR
HEAD
DEPT. OF INFORMATION TECHNOLOGY
S.P. COLLEGE
HOD Department of IT


EXTERNAL EXAMINER

Prof. (Dr.) Ghulam Jeelani Qureshi

Principal

CERTIFICATE

This is to certify that the project/research work entitled "*Efficient Binary Skin Cancer Classification Using Machine Learning Techniques*", submitted to the PG Department of Information Technology, S.P. College, Cluster University of Srinagar, in partial fulfillment for the award of the degree of Masters in Information Technology, is a record of Bonafide work carried out by "*Insha Nabi* (Reg. No.: CUS-18-Set-10660)" and "*Khairun nisa* (Reg. No.: CUS-18-SET-10671)", under the supervision of "*Dr. Wasim Akram Zargar* " and co-supervision of "*Dr. Khursheed Ahmad Dar* ".

Further Certified:

1. No part of this report has been submitted elsewhere for the award of any other degree.
2. The candidate has worked for the period required under rules.
3. The candidates were present in the department during the period.



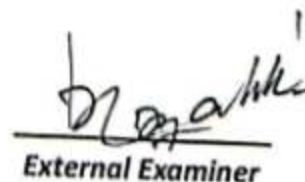
Co- Supervisor
Dr. Khursheed Ahmad Dar



DEPT. OF INFORMATION TECHNOLOGY
S.P. COLLEGE, SGR.

Supervisor
Dr. Wasim Akram Zargar
(Head of the Department)

Certified that we have examined the project "*Efficient Binary Skin Cancer Classification Using Machine Learning Techniques*".



External Examiner

Certificate

This is to certify that the Project/Research/Dissertation work titled "**Lal Chowk, Srinagar based Full Stack 3D Simulator with Multiplayer, Chat and Gun Battle Game**" submitted to the Post Graduate Department of Information Technology, Sri Pratap College Srinagar for the award of the degree of Master's in Information Technology from Cluster University, Srinagar is a record of Bonafide work carried out by **Burhan Ahmad Beigh** (Reg. No. CUS-18-SET-10674 & Class Roll Number 182106) under the guidance and supervision of "**Dr. Waseem Akram Zargar**" & "**Dr. Khursheed Ahmad**".

Further Certified:

1. That this dissertation embodies the results of original Project/Research work and this report has not been submitted elsewhere for the award of any other degree, diploma, fellowship, or other similar titles or prizes.
2. That the candidate has worked for the period required under rules.
3. That the candidate was present in the department during the period.




DEPTT. OF INFORMATION TECHNOLOGY
S.P. COLLEGE, SGR.
Dr. Waseem Akram Zargar

Project Supervisor

Post Graduate Department of Information
Technology


Dr. Khursheed Ahmad

Co-Supervisor

Post Graduate Department of Information
Technology


Principal


External Examiner

CERTIFICATE

This is to certify that the project work entitled "E-Farming ManagementSystem" submitted to the P.G Department of information technology, S.P College Cluster University of Srinagar, in partial fulfilment for the award of the degree of Integrated M.Sc. information Technology, is a record of bonafide work carried out by the below mentioned students under the supervision of "Prof. Wasim Zargar."

Saqib Jan

Yawer Rasool Lone

Class Roll no.: 182130


Class Roll no.: 182118

Examination Roll No. 1809709

Examination Roll No.1809705

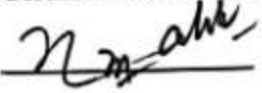
Further Certified:

- 1) No part of this report has been submitted elsewhere for award of any other degree.
- 2) The candidates has worked for the period required under rules.
- 3) The candidates were present in the department during the period.


Dr. Wasim Akram Zargar
Project Supervisor


Dr. Wasim Akram Zargar
Head of the Department
Information Technology
S.P. COLLEGE CLUSTER
UNIVERSITY OF SRINAGAR

Certified that I have examined the project titled "E-Farm Management System"



External Examiner

CERTIFICATE

This is to certify that the project/research work entitled "*Retina Insider: Leveraging CNNs for Multiclass Diabetic Retinopathy Detection*", submitted to the PG Department of Information Technology, S.P. College, Cluster University of Srinagar, in partial fulfillment for the award of the degree of Masters in Information Technology, is a record of Bonafide work carried out by "*Mansha Manzoor (Reg. No.: CUS-18-SET-10651) and Nisha Sultan (Reg. No.: CUS-18-SET-10666)*", under the supervision of "*Dr. Wasim Akram Zargar*" and co-supervision of "*Dr. Khursheed Ahmad Dar*".

Further Certified:

1. No part of this report has been submitted elsewhere for the award of any other degree.
2. The candidate has worked for the period required under rules.
3. The candidates were present in the department during the period.



Co-Supervisor

Dr. Khursheed Ahmad Dar


DEPT. OF INFORMATION TECHNOLOGY
S.P. COLLEGE
Srinagar
Supervisor

Dr. Wasim Akram Zargar
(Head of the Department)

Certified that we have examined the project entitled "*Retina Insider: Leveraging CNNs for Multiclass Diabetic Retinopathy Detection*".


External Examiner

CERTIFICATE


This is to certify that the project/research work entitled "**Online Project And Assignment System**", submitted to the PG Department of Information Technology, S.P. College, Cluster University of Srinagar, in partial fulfillment for the award of the degree of Masters in Information Technology, is a record of Bonafide work carried out by "**Danish Hameed** (Reg. No.: CUS-18-SET-10657)", under supervision of "**Dr. Wasim Akram Zargar**".

Further Certified:

1. No part of this report has been submitted elsewhere for award of any other degree. 2. The candidate has worked for the period required under rules.


3. The candidates were present in the department during the period.

Supervisor


Dr. Wasim Akram Zargar


Dr. Wasim Akram Zargar
HEAD
PG DEPARTMENT OF INFORMATION TECHNOLOGY
S.P. COLLEGE, SGR.
Head

PG Department of Information Technology


EXTERNAL EXAMINER

CERTIFICATE

This is to certify that the project work entitled "Web Scraping (E-Commerce Price Tracker)", submitted to the PG Department of Information Technology, S.P. College, Cluster University of Srinagar, in partial fulfilment for the award of the degree of Integrated M.Sc. Information Technology, is a record of Bonafede work carried out by the below mentioned students under the supervision of "Dr. Khursheed Ahmad Dar".

FAIZAN FAYAZ

Class Roll No.: 182101

Registration No.: CUS-18-SET-10673

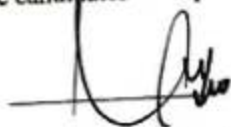
YAWAR MUSHTAQ

Class Roll No.: 182107

Registration No.: CUS-18-SET-10655

Further Certified:

1. No part of this report has been submitted elsewhere for award of any other degree.
2. The candidate has worked for the period required under rules.
3. The candidates were present in the department during the period.



Dr. Khursheed Ahmad

Project Supervisor



Dr. Wasim Akram Zargar

HOD

Certified that I have examined the project entitled "Web Scraping (E-Commerce Price Tracker)"
on



External Examiner

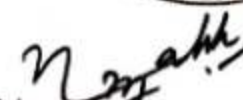
CERTIFICATE

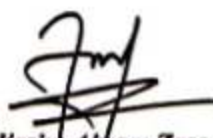
This is to certify that the project/research work entitled "**Web3 Blockchain-
Decentralized Voting Application (DAPP) using React JS and Solidity**"
submitted to the PG Department of Information Technology, S.P College Srinagar
is a record of an original work done by me under guidance of
"Dr Khursheed Ahmad" and this project/Research work is submitted in the partial
fulfilment of the requirements for the award of degree of Masters in Information
Technology, is a record of Bonafide work carried out by
"Faziel Farooq (Reg. No. CUS-18-SET-10661)", under the supervision of
"Dr. Khursheed Ahmad" and "Dr. Wasim Akram Zargar"
Further Certified:

1. No part of this report has been submitted elsewhere for award of any other degree.
2. The candidate has worked for the period required under rules.
3. The candidate was present in the department during this period.




Supervisor
Dr Khursheed Ahmad


External Examiner


Dr Wasim Akram Zargar
H.O.D
Department of Information Technology



CERTIFICATE

This is to certify that the project/research work entitled "*Machine Learning-Based Stress Detection using NLP*", submitted to the PG Department of Information Technology, S.P. College, Cluster University of Srinagar, in partial fulfillment for the award of the degree of Masters in Information Technology, is a record of Bonafide work carried out by **Farhat Majid** (Reg. No.: CUS-18-SET-10672) under the supervision of **Dr. Wasim Akram Zargar** and co-Supervisor **Dr. Khursheed Ahmad Dar**

Further Certified:

1. The candidate has worked for the period required under the rules.
2. The candidate was present in the department during the period.

Supervisor: **Dr. Wasim Akram Zargar**

Head PG Department of Information Technology


DEPT. OF INFORMATION TECHNOLOGY
S.P. COLLEGE, SGR.

Co-supervisor: **Dr. Khursheed Ahmad Dar**

PG Department of Information Technology.



External Examiner



Date: 06-08-2024

CERTIFICATE

This is to certify that the project work entitled "*VoyageVerse: Your Ultimate Travel Companion*" submitted to the PG Department of Information Technology, S.P. College Cluster University Srinagar, in partial fulfillment for the award of the degree of Masters of Science in Information Technology, is a record of bonafide work carried out by "*Suham Hameed* (Reg. No.: CUS-18-SET-10670) and *Moin Khan* (Reg.No.: CUS-18-SET-10653)", under the supervision of "*Dr. Khursheed Ahmad Dar*".

Further Certified:

1. No part of this report has been submitted elsewhere for the award of any other degree.
2. The candidates have worked for the period required under rules.
3. The candidates were present in the department during the period.


Supervisor

Dr. Khursheed Ahmad Dar
Place - Srinagar


STUDENT CUSN.



External Examiner


Dr. Wasim Akram Zargar
PG DEPT. OF INFORMATION TECHNOLOGY
S.P. COLLEGE, S

Head
PG Department of
Information Technology

CERTIFICATE

This is to certify that the project/research work entitled "***COMPLAINT MANAGEMENT SYSTEM***", submitted to the PG Department of Information Technology, S.P. College Srinagar, in partial fulfillment for the award of the degree of Masters in Information Technology, is a record of Bonafide work carried out by "***Suhail Basheer*** (Reg. No.: CUS-21-SET-10234) and ***Abid Hussian Shah*** (Reg. No.: CUS-21-SET-10233)", under the supervision of "***Dr. Khursheed Ahmad***".

Further Certified:

1. No part of this report has been submitted elsewhere for award of any other degree.
2. The candidate has worked for the period required under rules.
3. The candidates were present in the department during the period.


HEAD
DEPTT. OF INFORMATION TECHNOLOGY
S.P. COLLEGE, SGR.

Dr. Wasim Akram Zargar
Head of Department
(Project Co-Supervisor)



Dr. Khursheed Ahmad
Assistant Professor
(Project Supervisor)

Certified that I have examined the project entitled "***COMPLAINT MANAGEMENT SYSTEM***".



External Examiner

CERTIFICATE

This is to certify that the project/research work entitled ***"Integrating Bioacoustics and Machine Learning for Avifauna Monitoring in Kashmir"***, submitted to the PG Department of Information Technology, S.P. College, Cluster University of Srinagar, in partial fulfillment for the award of the degree of Masters in Information Technology is a record of Bonafide work carried out by **"Syed Aadam Ahmad"** (Reg. No.: CUS-18-SET-10678), under the supervision of "Dr. Khursheed" and the co-supervision of "Dr. Burooj Ghani".

Further Certified:

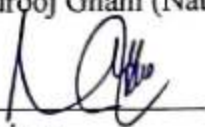
1. No part of this report has been submitted elsewhere for award of any other degree.
2. The candidate has worked for the period required under the rules.
3. The candidate was present in the department during the period.

Supervisor:

Dr. Khursheed Ahmad (PG Department of Information Technology)

Co-supervisor:

Dr. Burooj Ghani (Naturalis Biodiversity Centre, The Netherlands)


Supervisor

Dr. Khursheed Ahmad


Dr. Wasim Zuber
Head of PG Department,
Information Technology

Certified that I have examined the project titled ***"Integrating Bioacoustics and Machine Learning for Avifauna Monitoring in Kashmir"***


External Examiner

CERTIFICATE

his is to certify that the project work entitled "MEDI-TRACK" submitted to the P.G Department of information technology, S.P College Cluster University of Srinagar, in partial fulfilment for the award of the degree of Integrated M.Sc. information Technology, is a record of Bonified work carried out by the below mentioned students under the supervision of "Dr. Wasim Akram Zargar."

Qaiser Abbas

Class Roll no.: 182102

Examination Roll No. 1809711


Adil Ahmad

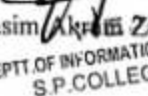
Class Roll no.: 182117

Examination Roll No.1809700

Further Certified:

- 1) No part of this report has been submitted elsewhere for award of any other degree.
- 2) The candidate has worked for the period required under rules.
- 3) The candidate was present in the department during the period.


Dr. Wasim Akram Zargar
Project supervisor
DEPT. OF INFORMATION TECHNOLOGY
S.P. COLLEGE, SGR.
PG Department of Information Technology


Dr. Wasim Akram Zargar
HOD DEPT. OF INFORMATION TECHNOLOGY
S.P. COLLEGE, SGR.
PG Department of Information

Certified that I have examined the project "MEDI -TRACK"


External Examiner

CERTIFICATE

This is to certify the project/research work entitled "*Facial expression Recognition Using CNN*", submitted to the PG Department of Information Technology, S.P. College, Cluster University of Srinagar, in partial fulfillment for the award of the degree of Masters in Information Technology, is a record of Bonafide work carried out by "*Tahir Zaman Rather*" (Reg. No.: CUS-18-SET-10663)", under supervision of "*Dr. Wasim Akram Zargar*".

Further Certified:

1. No part of this report has been submitted elsewhere for award of any other degree.
2. The candidate has worked for the period required under rules.
3. The candidate was present in the department during the period.



Supervisor
Dr. Wasim Akram Zargar



Dr. Wasim Akram Zargar
DEPTT INFORMATION TECHNOLOGY
S.P. COLLEGE, SGR.
PG Department
Information Technology



External Examiner.

Certificate

This is to certify that **Zehwa Nazir, Adil Farooq, Syed Owase Ashraf, Faizan Aziz Punoo** (Enrolment No: 182201, 182224, 182215, 182202) have completed their PG Dissertation on the topic "**Quark-Hadron phase transition**". It is an original project work carried out under my guidance and supervision. It is also certified that the candidates have fulfilled all the mandatory conditions as stipulated in the relevant Ordinances of the University. This study, in my opinion, is suitable for the award of PG Dissertation.



Head of Department

Prof. Syed Shoukat

Head

Department of (Physics)
S. P. College, Srinagar



Faculty Advisor

Dr. Riyaz Ahmed Bhat

Department of Physics
Shri Pratap College, Cluster University Srinagar
190001, India

Date: August 10, 2024

Cluster University Srinagar
Department of Physics,
(S.P. College Srinagar),
M.A. Road, Lal Chowk, Srinagar
190001

Certificate – II

This is to certify that the students namely **Peerzada Fayez Faroz (CUS-18-SSC-10725)**, **Sajad Ul Salam Dar (CUS-18-SSC-10708)**, **Asgar Yousuf (CUS-18-SSC-10715)**, and **Ulfat Tahir Mir (CUS-18-ASC-11999)** are bonafide students of **Department of Physics, Cluster University Srinagar** and have successfully completed their thesis "**Photodetector Applications of Carbon Nanotubes**" submitted in partial fulfilment of the requirements for the award of the degree of **Master of Physics**.


Head Of The Department
Department of Physics
Sri Pratap College,
Cluster University Srinagar

190001

Head
Department of Physics
S. P. College, Srinagar

CERTIFICATE

This is to certify that the project report titled "**Study of the CMS experiment at CERN**" has been successfully completed by **Shagufta Showkat, Farhana Mushtaq, Sabaha Zahoor, Irshad Ahmad** at the Department of Physics, Sri Pratap College, Srinagar under the supervision of **Dr. Muzamil Ahmad Bhat**. This work consisted of a comprehensive literature review.



Dr. Muzamil Ahmad Bhat
Department of Physics
Sri Pratap College, Srinagar

(Faculty Advisor)



Prof. Syed Showkat
Department of Physics
Sri Pratap College, Srinagar

(Head of the Department)

Head
Department of (Physics)
S. P. College, Srinagar

Cluster University Srinagar
Department of Physics,
S.P. College Srinagar,
M.A. Road, Lal Chowk, Srinagar,
190001

Certificate – I

This is to certify that the thesis entitled, "Interaction of Radiation with Biological Cells" submitted in partial fulfillment of the requirements for the award of the degree of Master of Physics, to the Department of Physics, Cluster University Srinagar is a record of bonafide research work carried out by Aaliya Subhan, Afshana Hamid, Tashfa Altaf, Ubaid Aslam Bhat under my supervision and guidance. No part of the thesis has been submitted for any other degree or diploma.

It is further certified that information received during the course of investigation has duly been acknowledged.



Dr. Arfat Firdous
Assistant Professor Physics
Sri Pratap College,
Cluster University Srinagar,
190001

Associate / Assistant Professor
Department of (Physics)
S. P. College, Srinagar

Dated
10/08/2024

**Cluster University Srinagar
Department of Physics,
S.P. College Srinagar,
M.A. Road, Lal Chowk, Srinagar,
190001**

Certificate – II

This is to certify that the thesis entitled, **“Interaction of Radiation with Biological Cells”** a candidate for the degree of **Master of Physics** to the **Department of Physics, Cluster University Srinagar** have gone through the manuscript of the thesis entitled, **“Interaction of Radiation with Biological Cells”** and recommend that it may be submitted by the student in partial fulfillment of the requirements for the award of the degree.



HOD
Department of Physics
Sri Pratap College,
Cluster University Srinagar,
190001

Certificate

This is to certify that Waseem Rashid, Adnan Irshad, Mahapara Bhat and Aekila Hassan have submitted a dissertation titled "Physics in & around the Nobel Prize 2023: Attosecond Science and Electron Dynamics" in partial fulfillment of the degree of Integrated Msc in Physics to the Cluster University Srinagar. The contents of this dissertation, in full or in parts, have not been submitted to any other Institute or University for the award of any degree.


Prof. Mohammad Hanief Sofi

Supervisor


Prof. Syed Shoukat

Head Of Department

Department of (Physics)
S. P. College Srinagar

Department of Physics, Sri Pratap College
Cluster University Srinagar, J&K, India (190001)

Certificate

This is to certify that Muneeb Ahmad dar, Waseem Ahmad mir, Aamir hameed lone and Sheikh shadab have submitted a dissertation titled "Energy optimisation of various heating devices [A comparison of kashmiri hammam and electric hammam (underfloor heating system)]" in partial fulfillment of the degree of masters of science in physics to the cluster University of Srinagar. The contents of this dissertation, in full or in parts, have not been submitted to any other institute or university for the award of degree



HEAD OF DEPARTMENT

DR SYED SHOWKAT.

Head
Department of (Physics)
S. P. College, Srinagar



Prop. Gulzar Ahmad

Associate Professor physics

Sri-pratap college

Cluster University srinager

Research Projects Carried out IG 10th Semester students of Biochemistry during 2023-24

Name of the Student	Registration number	Title of the Dissertation/Internship	Name of the Supervisor
Nusrat Rashid	Cus-19-ssc-10003	Molecular and functional analysis of Hiv-1 interaction with mannose binding lectin like proteins expressed on surface of genital urinary tract microbiome isolates in the aquisition and transmission of virus	Dr.Muzaffar Jan
Raziya Rehman	CUS-18-SSC-10032	Exploring the potential of plant derived products in LPS mediated cellular injury	Dr Sheikh tasduq Abdullah
Azhar Majeed	CUS-22-SSC-10711	Elucidating the role htert promoter mutations in activation of telomerase in cancer	Dr Ghulam Hassan Dar
Mehak jan	CUS-20-SSC-10009	IISER kolkata	Dr Ghulam Hassan Dar
Dua Aabid	10	Synthesis and Characterization of nanoparticle	Dr.Muzaffar Jan
Peerzadah mehak shabir	10th sem	Biochemical characterization, culturing and anti susceptibility testing of Candida albicans	Dr Zahoor Ahmad Parry
Asra Elias Beigh	10th	National Institute of Technology, Calicut	Dr ghulam hassan
Subuhi	CUS-19-SSC-10010	Elucidating role of the htert promoter mutation in activation telomerase in cancer.	Dr ghulam hassan
Arzoo Rashid Shah	CUS-19-SSC-10006	Elucidating the role of telomerase mutations in activation of telomerase in cancer	Dr Ghulam Hassan Dar
Tahoor Ramzan	Cus-19-ssc-10017	Elucidating the role of telomerase mutations in activation of telomerase in the cancer	Dr Ghulam Hassan
MUNEER AHMAD MIR	CUS-19-SSC-10021	GENERATION OF HIV1 VIRUS RECOMBINANTS USING HA & FLAG TAGS .	Dr Muzaffar Jan
Irtiza Hamid	CUS-22-SSC-10710	Role of IGFR 1 in caner	Dr. Jamal Dar
Furqan Shah	CUS-20-SSC-10032	Therapeutic potential of melatonin and metformin in the amelioration of NAFLD induced Endothelial Dysfunction in rats.	Dr Dinesh Mani Tripathi; Dr Idrees A Shah
Kamran Nazir	CUS-23-SSC-11315	Computational study of protein structure and folding	Dr. Neelanjana Sengupta

Bieza Aijaz	Cus-19-spc-10430	Optimizing the purification of DYRK (DUAL SPECIFICITY TYROSINE PHOSPHORYLATION KINASE) in the unphosphorylated state	Dr.Rahul Das
Liza Ayoub	Cus-19-spc-10408	Chemical detectives in forensic analysis	Prof.Debasish haldar
Shahid Rasool Shah	CUS-22-SPC-10002	Detection of Mutations in Human telomerase in Cancer	Dr Ghulam Hassan Dar
Abdul mateen wani	CUS-UG-22015057	Understanding evolution of crown hypervariable epitopes of HIV-1	Dr. Muzaffar jan
Faisal arshid	CUS-UG-2203316	Understanding evolution of crown hyper variable epitopes of HIV-1	Dr Muzaffar jan
Mir shakeel	CUS-22-SPC-10044	Understanding evolution of crown hyper variable epitopes of HIV-1	Muzaffar Jan
Aamina maqbool	CUS-22-SPC-10030	Analysis of various factors responsible for widespread occurrence of hypothyroidism in Kashmir	Dr. Ghulam hassan
Mudasir Aziz	CUS-23-SSC-11321	Lysozome fibril formation and degradation under electrochemical conditions	Pradip kumar tarafdar

Sd//

HOD Biochemistry

S. No.	Name of the Student	CUS Reg No.	Roll No.	Topic Assigned
1.	Aabiroo Irshad	CUS-18-SSC10814	182305	“Biodiversity of Soil Nematodes and Their Population Dynamics in Relation to Soil Quality”.
2.	Aqib Javaid Bhat	CUS-18-SSC10804	182335	“Ichthyofauna of River Jhelum”.
3.	Abid Shafi Bhat	CUS-18-SSC10826	182319	
4.	Noorul Sabah	CUS-18-SSC10807	182337	“Human Brown Bear Conflicts in the Central Wildlife Division”.
5.	Arshi Jan	CUS-18-SSC10837	182318	“Assessment of Physico-Chemical Parameters of Anchar Lake with Zooplankton Identification.”
6.	Mohmad Aqib Mir	CUS-18-SSC10803	182302	“Helminth Parasites of <i>Schizothorax Niger</i> as Biological Indicator of Water Quality in Dal Lake And River Jhelum of Kashmir”.
7.	Anam Bashir	CUS-18-SSC10834	182301	
8.	Saboor Mushtaq	CUS-18-SSC10828	182317	“Collection of Economically Important Insects Of Shopian”.
9.	Fazila Mushtaq	CUS-18-GWC11756	182347	“Zooplankton in Jeopardy: Dal Lake’s Limnological Warning”.
10.	Sheikh Mugaisa	CUS-18-GWC11617	182346	
11.	Mohd Sohail Salaria	CUS-18-SSC10813	182313	Physio chemical parameters of river Jhelum (in district Baramulla) and the identification of zooplankton.
12.	Sabahat Binti Riyaz	CUS-18-SSC10833	182314	“Avian Diversity of District Srinagar, J&K, India”.
13.	Maleen	CUS-18-SSC10822	182338	
14.	Mehvish Fayaz	CUS-18-ASC11826	182343	“Studies on the Diversity of Ichthyofauna and Analysis of Physico Chemical Parameters of Manasbal Lake, J&K, India”.
15.	Sadiyah Bilal	CUS-18-SSC10820	182327	

16.	Roshan Din	CUS-18-SSC10815	182312	“Human Wildlife Conflicts in Ganderbal District, Jammu & Kashmir”.
17.	Malik Azra Riyaz	CUS-18-SSC10802	182331	
18.	Roshni Farooq	CUS-18-SSC10824	182324	“Development of Primary Cell Culture System From <i>Schizothorax Plagiostomus</i> ”.
19.	Taskeen Tahira	CUS-18-SSC10812	182320	“Prevalence of Helminth Parasites In <i>Schizothorax</i> And <i>Cyprinus</i> In River Jhelum of District Srinagar”.
20.	Hazika Basharat	CUS-18-SSC10809	182340	
21.	Shaista Majeed	CUS-18-SSC10801	182333	“Evaluation of the Relationship Between Sweat Chloride Concentration and Clinical Symptoms in Cystic Fibrosis Patients”.
22.	Saba Shaheen	CUS-18-SSC10808	182303	“Prevalence of Animal Bite Incidences in Kashmir Valley”.
23.	Sumaira Rehman	CUS-18-SSC10825	182325	“Prevalence of Stress among Adolescents in Kashmir: A Cross-Sectional Study”.
24.	Shaista Jan	CUS-18-SSC10836	182332	“Evaluation of Physico-Chemical Characteristics and Plankton Diversity of Doodh-Ganga Stream, Kashmir”.
25.	Basharat Shaban	CUS-18-SSC10810	182334	“Prevalence of Depression in Kashmiri Students: A Rising Trend”.
26.	Tafazul Manzoor	CUS-18-GWC12031	182341	“Prevalence of Anxiety among College Students in Kashmir: A Cross-Sectional Study”.
27.	Haziqah Jan	CUS-18-SPC10145	182348	“Evaluation of Fructooligosaccharides, Protein Content and Antioxidant Activity in Fruits Available in Srinagar Markets”.
28.	Maria Qaisar Shah	CUS-18-SSC10806	182326	“Assessing The Prevalence and Level of Awareness About PCOs Among Female College Students in Kashmir Valley”.
29.	Ruqaya Gul	CUS-18-SSC10823	182339	“Prevalence of Lumpy Skin Disease in Kashmir Division.”
30.	Misba Yaseen	CUS-18-SSC10805	182336	“Enzymatic Action of Invertase.”
31.	Shabrooz Ali	CUS-18-ASC11742	182345	“Genetic Association Study Of -238 G>A Of TNF-Alpha and Risk of Irritable Bowel Syndrome: A Meta-Analysis of Association Studies”.

32.	Taskeen Asif Shah	CUS-18- SSC10819	182328	“Genetic Association Study Of -238 G>A Of TNF-Alpha and Risk of Irritable Bowel Syndrome: A Meta-Analysis of Association Studies”.
33.	Rohfiza Maqsood	CUS-18- ASC11956	182342	“Study on the diversity of zooplanktons and analysis of physico-chemical parameters of Khushalsar Lake, J&K, India”.
34.	Gazia Binti Bashir	CUS-17- ASC10187	182344	
35.	Zavin Nuha	CUS-18- GWC12021	182349	“Recent trends of migratory birds in hokersar wetland in J&K”.
36.	Sauliha Jan	CUS-18- SSC10831	182309	
37.	Nowshiya Mushtaq	CUS-21- SSC11472	182350	“Analysis of various Bio-chemical factors responsible for wide spread occurrence hypothyroidism in Kashmir.”

Research Project Details of IG 10th Sem. Environmental Science

S.No.	Student Name	Roll NO.	Project title
1.	Insha Hamid	1700538	An assessment of Global green spaces with special reference to
2.	Peerzada Irfan Bashir	1700540	comparative study on biomedical waste generation and management practices in tertiary care hospitals in Srinagar
3.	Muneeb Nazir	171819	A Study on evaluation of the impacts of Urbanisation on fish fauna
4.	Aijaz Majeed Kumar	171817	hospital waste management in context of COVID-19, A case study of a tertiary care hospital sheri-kashmir institute of medical science, soura, Srinagar, UT of Jammu and Kashmir india designated as covid-19 care centre during the pandemic
5.	Javaid Hussain Dar	171810	A study on environmental awareness level among school students of district Ganderbal, UT of Jammu and Kashmir, India
6.	Humaira Yahya Mirchal	171836	impact of anthropogenic activities on the migratory birds of Hokersar wetland
7.	Rehebul sheikh	171802	opinion of senior citizens of Kashmir, India on climate change
8.	Dawood ahmad Khan	1712132	insect diversity Shankaracharya hill station
9.	Bisma Dar	171818	exploring relationship between water quality and algae- A case study of Dal lake, Srinagar Jammu and Kashmir
10.	Khansa Nighat	171838	Sustainable urban mobility: exploring transport preferences in Kashmir valley
11.	Romia Majeed	171825	assessing the phytoremediation potential of nuisance azolla pinnata under stressful environmental conditions
12.	Bisma Mushtaq	171815	A study on impact of socio-economic status on land use and health status in Burzoham region of jammu and kashmir
13.	Shazia Mejraj	1700551	A study of human black bear conflict in the vicinity of Dachigam
14.	TowfeeQ Qureshi	171831	An ethanobotanical study of traditional medicinal plants
15.	Roshna Rashid	1700557	Ethanobotanical study of Medicinal Plants of Gulmarg
16.	Alina Nisar	1700541	Impact of Climate Change on Dal Lake

