



**POST GRADUATE DEPARTMENT OF
ENVIRONMENTAL SCIENCE**

University of Kashmir

Srinagar - 190006, Kashmir

Date:

CERTIFICATE

This is to certify that the Dissertation entitled "**Antibacterial Screening of Medicinal Plants *Verbena officinalis* and *Rosa canina***" submitted by **Mymoona Akhter**, Roll no. **14063120001** for the partial fulfillment of the award of **Masters Degree in the discipline of Environmental Science**, University of Kashmir, is a record of her own work carried out by her. This work has not been submitted fully or partially so far anywhere for the award of any other degree. The student satisfactorily worked under ~~my~~ supervision and guidance on whole-time basis for the period required under statutes.

Supervisor

Prof. Bashir Ahmad Ganai

Department of Environmental Sciences
University of Kashmir

Head

Prof. Bashir Ahmad Ganai

Department of Environmental Sciences
University of Kashmir



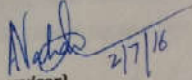
UNIVERSITY OF KASHMIR
PG Department of Environmental Science
University campus Hazratbal Srinagar-190006

Certificate

This is to certify that the dissertation entitled, "**A STUDY OF ENZYME ACTIVITY OF SOILS OF TANGMARG AREA OF KASHMIR HIMALAYA**" submitted in partial fulfilment of the requirements for the award of degree of Master of Environmental Sciences to the Faculty of Postgraduate Studies, University of Kashmir, is a record of bonafied research work carried out by Miss Heena Maqbool (Regd. No. 7229-BW-2009) under my supervision and guidance which embodies original research work and same has not been submitted for any other degree or diploma of this or any other University.

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.

(H.O.D.)
Prof. Bashir Ahmad Ganai
Department of Environmental Sciences
University of Kashmir


(Supervisor)
Prof. Azra N. Kamili
Dean Faculty of Biological Sciences
University of Kashmir



**POST GRADUATE DEPARTMENT OF
ENVIRONMENTAL SCIENCE**

University of Kashmir

Srinagar - 190006, Kashmir

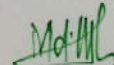
No:

Date:

CERTIFICATE

This is to certify that the dissertation entitled "Study of Zooplankton Community at different depths of Nigeen Lake" submitted by **Owais Majeed, Roll No. 14063120003**, for the partial fulfillment of the award of **Master's Degree in the discipline of Environmental Science**, from University of Kashmir, is a record of his own work carried out by him under my supervision and guidance. The matter embodied in this dissertation has not been carried for the award of any other degree. The student satisfactorily worked under my supervision on whole-time basis for the period required under statutes.


Prof. Bashir Ahmad Ganai
H. O/D
Department of Environmental Science
University of Kashmir


Dr. Md. Niamat Ali
Associate professor
Department of Environmental Science
University of Kashmir



**POST GRADUATE DEPARTMENT OF
ENVIRONMENTAL SCIENCE**

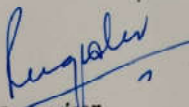
University of Kashmir

Srinagar - 190006, Kashmir

Date: 28/06/2016

CERTIFICATE

This is to certify that the Dissertation entitled **FUNGAL FLORA OF
SOME SPRINGS OF KASHMIR VALLEY** submitted by **RUQIA BHAT,**
Roll No. 14063120004, for the partial fulfillment of the award of
Masters Degree in the discipline of Environmental Science, University of
Kashmir, is a record of her own work carried out by her. This work has not been
submitted fully or partially so far anywhere for the award of any other degree.
The student satisfactorily worked under our supervision and guidance on whole-
time basis for the period required under statutes.


Supervisor

Dr. Rukeya Nazir
Department of Environmental Science
University of Kashmir

Head 

Prof. Bashir Ahmad Ganai
Department of Environmental Science
University of Kashmir



POST GRADUATE DEPARTMENT OF
ENVIRONMENTAL SCIENCE

University of Kashmir

Srinagar - 190006, Kashmir

Dated: 22/04/16.

CERTIFICATE

This is to certify that the dissertation entitled *Study of Phytoplankton from bottom waters of Nigeen Lake* submitted by *Tajamul Bashir*, Roll No. *14063120005*, for the partial fulfillment of the award of *Master's Degree in the discipline of Environmental Science*, from University of Kashmir, is a record of his own work carried out by him under my supervision and guidance. The matter embodied in this dissertation has not been carried for the award of any other degree. The student satisfactorily worked under my supervision on whole-time basis for the period required under statutes.


Prof. Bashir Ahmad Ganai
H. O. D
Department of Environmental Science
University of Kashmir


Dr. Sami Ullah Bhat
Assistant Professor
Department of Environmental Science
University of Kashmir



P.G. DEPARTMENT OF ENVIRONMENTAL SCIENCE
University of Kashmir, Srinagar 190006 Kashmir

No.: _____

Date: 27-06-2016

Certificate

This is to certify that the M.Sc. dissertation entitled "**Ecological Footprint Assessment of Individuals of Kashmir Valley**" is the original research work of by Miss. *Iqra Maqbool* for partial fulfilment of the requirements for the award of degree of Master of Science (M.Sc.) in the department of Environmental Science. This study has been carried out under my supervision for the period required under statutes and the same has not been submitted elsewhere for the degree.

I deem it for submission.


Prof. B. A. Ganai
(Head)

Department of Environmental Science/
Director of CORD
University of Kashmir Srinagar-190006


Dr. Arshid Jehangir
(Supervisor)

Assistant Professor
Department of Environmental Science
University of Kashmir Srinagar-190006



P.G. DEPARTMENT OF ENVIRONMENTAL SCIENCE
University of Kashmir, Srinagar-190006, Kashmir

No.: _____

Date 27-6-2016

Certificate

This is to certify that the M.Sc. Dissertation entitled **Ground water Quality of KUPWARA District** is the original research work of Ms. Malik Ifra for partial fulfillment of the requirements for the award of the degree of Master of Science (M.Sc.) in the department of Environmental Science. This study has been carried out under my supervision for the period required under statutes and the same has not been submitted elsewhere for the degree.

I deem it fit for submission.

Prof. B.A. Ganai

Head

Department of Environmental science
University of Kashmir

Dr. Aasimah Tanveer

Supervisor

Department of Environmental science
University of Kashmir

POST GRADUATE DEPARTMENT OF
ENVIRONMENTAL SCIENCE

University of Kashmir

Srinagar – 190006, Kashmir



Date _____

CERTIFICATE

This is to certify that the Dissertation entitled **Evaluation of phytoremediation of *Ceratophyllum demersum* for wastewater treatment** submitted by **Sumaira Rashid**, Roll No. **14063120008** for the partial fulfillment of the award of **Masters Degree in the discipline of Environmental Science**, University of Kashmir, is a record of her own work carried out by her under my supervision and guidance. This work has not been submitted fully or partially so far anywhere for the award of any other degree.

Supervisor

Dr. Aftab Ahmad Bhat
Department of Environmental Science
University of Kashmir

Head

Prof. B. A. Ganai
Department of Environmental Science
University of Kashmir



P.G. Department of Environmental Science
Faculty of Physical and Material Sciences
University of Kashmir
Hazratbal, Srinagar -190006

No:

Dated: 27-06-16

CERTIFICATE

This is to certify that the dissertation entitled "**Chemical Composition and In-Vitro Antibacterial Activity of Essential Oil and Methanolic Extract of Aerial Parts of *Thymus linearis* Against Clinically Important Bacterial Strains**" submitted by **Irfana Assad**, Enrollment No.14063120009 for the award of **Master's degree** in the discipline of **Environmental Science**, University of Kashmir, is a record of her own work carried out by her under my supervision. The work has not been submitted so far elsewhere for the award of any other degree or diploma. The student satisfactorily worked under my supervision and guidance on whole time basis for the period required under statutes.

Station: Srinagar

Dated: 27-06-16

Dr. Bilal A. Wani

(Supervisor)

Prof. Bashir A. Ganai

(Head)



UNIVERSITY OF KASHMIR
PG DEPARTMENT OF ENVIRONMENTAL SCIENCE
University campus, Hazratbal, Srinagar-190006

Dated 27-06-2016

No.

Certificate

This is to certify that the dissertation entitled, "**Bacterial flora associated with fish fauna in selected fresh water bodies of Kashmir valley**" submitted in partial fulfilment of the requirements for the award of the degree of Master of Science in Environmental Sciences, to the Faculty of Postgraduate Studies, University of Kashmir is a record of bonafide research work carried out by **Miss Bilqis Jan** (Regd. No. 26675-NW-2011) under my supervision and guidance. No part of the dissertation has been submitted for any other degree or diploma.

It is further certified that the student satisfactorily worked under my guidance on whole-time basis for the period required under statutes and has put in the required attendance in the department.

H.O.D. 
(Prof. Bashir Ahmad Ganai)
P.G. Deptt. of Environmental Science
University of Kashmir

Supervisor 
(Prof. Bashir Ahmad Ganai)
P.G. Deptt. of Environmental Science
University of Kashmir

**POST GRADUATE DEPARTMENT OF ENVIRONMENTAL SCIENCE,
UNIVERSITY OF KASHMIR SRINAGAR – KASHMIR, 190006**

Dated 27-06-16



Certificate

This is to certify that the dissertation entitled "A Study of Enzyme Activity of the Soils of Gulmarg Area of Kashmir Himalaya" submitted by Ruhana Muzaffer, Roll No. 14063120011 for the partial fulfillment of the award of Master's Degree in the discipline of Environmental Sciences, University of Kashmir, is a record of her own work carried out by her. This work has not been submitted fully or partially so far anywhere for the award of any other degree. The student satisfactorily worked under my supervision and guidance on whole time basis for the period required under statutes.

Head
Prof. (Dr.) B.A. GANAIE
Department of Environmental
Science/Director of CORD
University of Kashmir

Supervisor
Prof. (DR.) Azra N. Kamili
Dean faculty of
Biological Science
University of Kashmir

No.: _____

Date 27-06-2016

Certificate

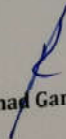
This is to certify that the M.Sc. Dissertation entitled *Study of Avifauna of Hokersar Wetland Reserve* is the original research work of **Ms. Yasmeena Jan** for partial fulfillment of the requirements for the award of the degree of Master of Science (M.Sc.) in the department of Environmental Science. This study has been carried out under my supervision for the period required under statutes and the same has not been submitted elsewhere for the degree.

I deem it fit for submission.


Dr. Md. Niamat Ali

Supervisor

Department of Environmental Science
University of Kashmir
Srinagar - 190006


Prof. Bashir Ahmad Ganai

Head

Department of Environmental Science
University of Kashmir
Srinagar-190006



**POST GRADUATE DEPARTMENT OF
ENVIRONMENTAL SCIENCE**

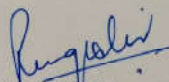
University of Kashmir

Srinagar - 190006, Kashmir

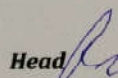
Date: 28/06/2016

CERTIFICATE

This is to certify that the Dissertation entitled "**Study of Bacterial Biota of Some Springs of Kashmir Valley**" submitted by **Nahida Ramzan**, Roll no. **14063120014** for the partial fulfillment of the award of **Masters Degree in the discipline of Environmental Science**, University of Kashmir, is a record of her own work carried out by her. This work has not been submitted fully or partially so far anywhere for the award of any other degree. The student satisfactorily worked under our supervision and guidance on whole-time basis for the period required under statutes.


Supervisor

Dr. Ruqeyya Nazir
Assistant Professor
Department of Environmental Sciences
University of Kashmir


Head

Prof. Bashir Ahmad Ganai
Department of Environmental Sciences
University of Kashmir



POST-GRADUATE DEPARTMENT OF ENVIRONMENTAL SCIENCE
Faculty of Physical and Material Sciences
University of Kashmir
Hazratbal, Srinagar -190006, Kashmir

No.: _____

Dated: _____

Certificate

Certified that the dissertation entitled "**Study of Vertical Variation in Limnochemistry of Nigeeen Lake**" submitted by **Shahid Ahmad Ganee** for the award of **Master of Science (M.Sc.)** degree in Environmental Science, is based on original research work carried out by him under my supervision. This dissertation has not been submitted in part or in full, to any university/institution for any degree. The candidate has fulfilled all the statutory requirements for the submission of the dissertation.

Prof. B.A. Ganai

Head
Department of Environmental science
University of Kashmir

Dr. Sami Ullah Bhat

Assistant Professor
Department of Environmental science
University of Kashmir



DEPARTMENT OF ENVIRONMENTAL SCIENCE
University of Kashmir, Srinagar-190006,
Kashmir

No.: _____

Date _____

Certificate

This is to certify that the M.Sc. Dissertation entitled "**Soil Carbon Sequestration Under Different Land Uses In Kupwara Region of Kashmir Himalaya**" submitted by "**Mr. Hilal Ahmad Dar**" in partial fulfillment of the requirements for the award of the degree of Master of Science (M.Sc.) in the Department of Environmental Science, University of Kashmir, is an authentic work carried out by him under my supervision and guidance.

A handwritten signature in blue ink, appearing to read 'Arshid Jehangir'.

Dr. Arshid Jehangir
Supervisor
Assistant Professor
Department of Environmental science,
University of Kashmir,
Srinagar-190006

A handwritten signature in blue ink, appearing to read 'Bashir Ahmad Ganai'.

Prof. Bashir Ahmad Ganai
Head
Department of Environmental Science,
University of Kashmir,
Srinagar-190006



P.G. DEPARTMENT OF ENVIRONMENTAL SCIENCE
University of Kashmir, Srinagar-190006, Kashmir

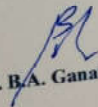
No.: _____

Date 25/06/2016

Certificate

This is to certify that the M.Sc. Dissertation entitled "*STUDY OF SPRING WATER QUALITY OF DISTRICT GANDERBAL*" is the original research work of Ms. Yasira Munwar for partial fulfillment of the requirements for the award of the degree of Master of Science (M.Sc.) in the department of Environmental Science. This study has been carried out under my supervision for the period required under statutes and the same has not been submitted elsewhere for the degree.

I deem it fit for submission.


Prof. B.A. Ganai

Head
Department of Environmental science
University of Kashmir


Dr. Aasimah Tanveer

Supervisor
Department of Environmental science
University of Kashmir

**POST GRADUATE DEPARTMENT OF
ENVIRONMENTAL SCIENCE**

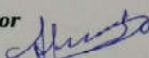
University of Kashmir
Srinagar - 190006, Kashmir



CERTIFICATE

This is to certify that the Dissertation entitled **Efficiency evaluation of three fluidized aerobic bioreactor based sewage treatment plants in Kashmir valley** submitted by **Bisma Nisar**, Roll No.14063120019 for the partial fulfillment of the award of *Masters Degree in the discipline of Environmental Science*, University of Kashmir, is a record of her own work carried out by her under my supervision and guidance. This work has not been submitted fully or partially so far anywhere for the award of any other degree.

Supervisor


Dr. Aftab Ahmad Bhat
Department of Environmental Science
University of Kashmir

Head


Prof. B. A. Ganai
Department of Environmental Science
University of Kashmir



DEPARTMENT OF ENVIRONMENTAL SCIENCE
Faculty of Physical and Material Sciences
University of Kashmir
Hazratbal, Srinagar -190006

No:
Dated:

CERTIFICATE

Certified that the dissertation entitled "Isolation, Characterisation and In-Vitro Antibacterial Evaluation of Betulinic Acid from *Melissa Officinalis* against Some Human Pathogenic Bacteria" submitted by **Shahida Naseem**, Enrolment No. **14063120020** for the award of **Master's of Science (M.Sc.)** Degree in **Environmental Science**, is based on original research work carried out by her under my supervision. This dissertation has not been submitted in part or in full, to any university / institution for any degree or diploma. The candidate has fulfilled all the statutory requirements for the submission of the dissertation.

Station: Srinagar

Dated: 27/6/2016


Dr. Bilal Ahmad Wani
(Supervisor)


Prof. Bashir Ahmad Ganai
(Head of the Department)



P.G. DEPARTMENT OF ENVIRONMENTAL SCIENCE
University of Kashmir, Srinagar-190006, Kashmir

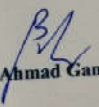
No.: _____

Date 27-6-2016

Certificate

This is to certify that the M.Sc. Dissertation entitled "**Fungal Flora Associated With Fish Fauna Of Kashmir Valley**" is the original research work of **Ms. Sabira Hafiz** for partial fulfillment of the requirements for the award of the degree of Master of Science (M.Sc.) in the Department of Environmental Science. This study has been carried out under my supervision for the period required under statutes and the same has not been submitted elsewhere for the degree.

I deem it fit for submission.


Prof. Bashir Ahmad Ganai

Head
Department of Environmental science
University of Kashmir


Prof. Bashir Ahmad Ganai

Supervisor
Department of Environmental science
University of Kashmir

POST GRADUATE DEPARTMENT OF ENVIRONMENTAL SCIENCE,
UNIVERSITY OF KASHMIR SRINAGAR – KASHMIR, 190006

Dated 27-06-16



Certificate

This is to certify that the dissertation entitled, "A Study of Soil Enzymes of Sonmarg Area of Kashmir Himalaya" submitted in partial fulfilment of the requirements for the award of the degree of Master of Science in Environmental Sciences, to the Faculty of Postgraduate Studies, University of Kashmir is a record of bonafide research work carried out by Miss Malik Suriya Gani (Regd. No.11822-kc-2010) under my supervision and guidance and the same 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.

Head

Prof. (Dr.) B.A. GANAIE
Department of Environmental
Science/Director of CORD
University of Kashmir

Supervisor

Prof. (DR.) Azra N. Kamili
Dean faculty of
Biological Science
University of Kashmir

POST GRADUATE DEPARTMENT OF
ENVIRONMENTAL SCIENCE

University of Kashmir
Srinagar-190006, Kashmir

Date 27.06.2016

CERTIFICATE

This is to certify that the dissertation entitled "**Haematological Profile of *Cyprinus carpio communis*, *Cypinus carpio specularis* and *Schizothorax niger* collected from Dal and Nigeen Lake**" submitted by **Nuzbah Muzaffer**, Roll No.14063120023, for the partial fulfilment of the award of *Master's Degree in the discipline of Environmental Science*, University of Kashmir, is a record of her own work carried out by her. This work has not been submitted fully or partially so far anywhere for the award of any other degree. The student satisfactorily worked under our supervision and guidance on whole time basis for the period required under statutes.

Head

Prof. Bashir A. Ganai

Department of Environmental Science
University of Kashmir.

Supervisor

Dr. Md. Niamat Ali

Department of Environmental Science
University of Kashmir.



DEPARTMENT OF ENVIRONMENTAL SCIENCE
University of Kashmir, Srinagar-190006,
Kashmir

No:

Dated: 30/6/2016

Certificate

This is to certify that the dissertation entitled, "**Preliminary Airmicrobiological Study In Hospitals And Around Springs In Kashmir Valley**" submitted in partial fulfillment of the requirements for the award of the degree of Master of Science in Environmental Sciences, to the Faculty of Postgraduate Studies, University of Kashmir is a record of bonafide research work carried out by **Miss Syed Safoora Andrabi** bearing Roll No. **14063120024** (Regd. No.58035-W-2010), under my supervision and guidance and the same 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.

Dr. Ruqeyya Nazir
Supervisor
Assistant Professor
Department of Environmental Science,
University of Kashmir,
Srinagar-190006

Prof. Bashir Ahmad Ganai
Head

Department of Environmental Science,
University of Kashmir,
Srinagar-190006

POST GRADUATE DEPARTMENT OF ENVIRONMENTAL SCIENCE,
UNIVERSITY OF KASHMIR SRINAGAR – KASHMIR, 190006

Dated: 20/06/16.



Certificate

This is to certify that the dissertation entitled Sewage Water Characteristics of Hazratbal STP submitted by **Nazia Mohi ud Din**, bearing Roll No. **14063120025** for the partial fulfillment of the award of **Master's Degree in the discipline of Environmental Science**, University of Kashmir, is a record of her own work carried out by her. This work has not been submitted fully or partially so far anywhere for the award of any other degree. The student satisfactorily worked under my supervision and guidance on whole time basis for the period required under statutes.

Head of Department
Prof. B .A. Ganai
Department of Environmental Science/
Director CORD
University of Kashmir


Supervisor
DR. Sami Ullah Bhat
Assistant Professor
Department of Environmental Science
University of Kashmir



DEPARTMENT OF ENVIRONMENTAL SCIENCE
University of Kashmir, Srinagar-190006, Kashmir

No.: _____

Date: 27-06-16

Certificate

This is to certify that the M.Sc. Dissertation entitled "**Water Footprint and Household Water Consumption Pattern of Individuals in Kashmir Valley**" submitted by "**Ms. Subreena Akhter**" in partial fulfillment of the requirements for the award of the degree of Master of Science (M.Sc.) in the Department of Environmental Science, University of Kashmir, is an authentic work carried out by her under my supervision and guidance.

Dr. Arshid Jehangir
Supervisor
Assistant Professor
Department of Environmental science,
University of Kashmir,
Srinagar-190006

Prof. Bashir Ahmad Ganai
Head
Department of Environmental Science,
University of Kashmir,
Srinagar-190006