

University of Kashmir Srinagar - 190006, Kashmir

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CERTIFICATE

This is to certify that the Dissertation entitled "Antibacterial Screening of Medicinal Plants Verbena officinalls and Rosa canina" submitted by Mymoona Akhter, Roll no. 14063120001 for the partial fulfillment of the award of Musters Degree in the discipline of Environmental Science, University of Kushmir, 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 shaules.

Supervisor Americans

Ospertment of Engineering Sciences finitematy of Karbanir Prof. Beshir Ahmad Ganai paperawai of bedroom with Japana sub-mary of keshan



UNIVERSITY OF KASHMIR

PG Department of Environmental Science University campus Hazratbal Srinagar-190006

Certificate

This is to certified that the dissertation entitled, "A STUDY OF ENZYME ACTIVITY OF SOR'S OF TANGMARG AREA OF KASHMIR HIMALAYA" admitted in partial fulfilment of the requirements for the award of degree of Master of Environmental Sciences to the Foculty of Postgradonte Studies, Uniteersity of Kashmir, is a record of bungled research work carried out by Miss Heene Maghael (Regd. No. 2225-44-2009) under my supervision and guidance which embodies original research work and same has not been submitteed for any other degree or diploma of this or any other University.

It is forther certified that the attained satisfactorily worked under our guidance on whole time basis for the period required under statues and has put in the required attendance to the department.

(B.O.D.)
Prof. Bushir Ahmod Ganai
Experience of Underland Culture
Cabonaty of Kanana

(Supervisor)
Prof. Acra. N. Kamill
Deen Fecun of Malaginal Science
Subarsity of Kaminer



POST GRADUATE DEPARTMENT OF ENVIRONMENTAL SCIENCE

University of Kashmir

Srinagar - 190006, Kashmir

No:-----

Date

CERTIFICATE

This is to certify that the dissertation entitled "Souty of Localization Community at different depths of Negcen Lake, submitted by Chann Marcel, Roll No. 14063120003, for the partial fulfillment of the award of Money'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 Enteromental Science
University of Kashnar



University of Kashmir Srinagar - 190006, Kashmir

Date 28 05 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 wholetime 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 Rashnir



POST GRADUATE DEPARTMENT OF ENVIRONMENTAL SCIENCE University of Kashmir

Srinagar - 190006, Kashmir

Dated 20/04/16

CERTIFICATE

This is to certify that the dissertation entated Sandy of Physiopanicton from hostom waters of Nigora Calic submitted by Tajamul Bushie, Roll No. 1406.1120005, for the partial fulfillment of the award of Manter's Degree in the discipline of Environmental Science, from University of Kaslanic, 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 satisfactority worked under my supervision on whole-time basis for the period required under satisfactories.

Prof. Bashir Abmad Ganat
H. D. D

Department of Americamental Science

Department of Arvironmental Science University of Kashmir Ulanale

Dr. Sanat Ullah Bhat Assistant Professor Department of terriconmental Science Battersity of Kashmir



No: 27-16-2016

Certificate

This is to certify that the M.Sc. dissertation staticd "Ecological Festprint Assessment of Individuals of Kashmir Valley" is the original research work of by Miss. Intro Maphoul for partial fishillment 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 shaines and the same has not been submitted elsewhere for the degree.

I deem it for submission.

Prof. B. A. Canai

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 Schagor 190006



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

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Certificate

This is to pertify that the M.S. Dissertation entitled Ground water Quality of AUPWARA District is the original research work of Ms. Malik Ura for partial fulfillment of the requirements for the award of the degree of Master of Science (M.S.;) to the department of Environmental Science. This study has been carried our moder my supervision for the period required under statutes and the same has not been suponitted discontinue for the degree.

I doesn't fit for submission.

Prof. B.A. Gugal

Head /
Department of Facinomers of science

Dr. Aasimaa Tanveer

Supervisor
Bysovens of Louvenment science
University of Kultuir

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 sward of Masters Degree in the discipline of Environmental Science, University of Kashmir, is a record of her own work catried out by her under my supervision and guidance. This work has not been submitted fully or partially so far snywhere for the award of any other degree.

Supervisor

Dr. Aftab Africa Bhat Department of Environmental Science University of Kashmir Head!

Prof. B. A. Ganus Department of Environmental Science University of Rashenir



P.G. Department of Environmental Science 9 aculty of Physical and Material Sciences University of Kashmir Hazratbal, Srinagar - 190006

Dated: 27-ne 16

CERTIFICATE

This is to certify that the dissertation entitled "Chemical Composition and In-Fiftee Antibacterial Activity of Essential Oil and Methanolic Extract of Aerial Parts of Thymus linearis Against Clinically Important Bucterial Strains" submitted by Irfana Assad, Enrollment No.14663120009 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 my other degree or diploma. The student satisfactorily werked under my supervision and guidance on whole time basis for the period required under statutes.

Station: Srimagor

Dated: 23-06-16

(Supervisor)

(Head)



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

Dated 27. 65 266

Certificate

This is to terrify that the dissertation entitled, "Bacterial Bora 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 Pacuity of Postgradualo Studies. University of Enshmir is a record of bounded research work corned out by Miss Bilique Jan (Repl. 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 satisfic toothy secribed under my guidance on whole-time basis for the period required under statues and has yet in the required attendance in the department.

H.O.D. [] [Prof Weshir Ahmad Cannil]

F.G. Capit. or Parameters of Recomterminal Control (Control (C

Supervisor | [Proof. Bashir Ahmad Guine]] 7 & Dani: of Enderso | Schools | Diversity of Kederso

UNIVERSITY OF KASHMIR SRINAGAR - KASHMIR, 190006

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Certificate

This is to vertify that the dissertation orwitled "A Study of Enzyme Activity of the Soils of Gulmary Area of Xushimir Munalized" submitted by Rahamu Muzaffer, Roll No. 14063120011 for the partial fulfilment of the award of Master's Degree in the discipline of Invironmental Sciences, University of Kashmir, is a record of her own work curried out by her. This work has not been submitted fully or partially so far anywhere for the award of any other degree. The student satisfactority worked under my supervision and guidance on whole time basis for the period required under statures.

Prof. (Dr.) B.A. GARAIE
Department of Engeromental
Science/Director of CDRD
University of Kashmir

Prof. (UR.) Azro N. Kamili Dean faculty of Biological Science University of Kashmir

NU.

rem 27-06-2016

Certificate

This is to certify that the M.Sc. Dissertation entitled Study of Avifounce of Hoberson Westiand 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.

Edeem it fit for submission.

Dr. Md. Niamai Ali

Supervisor

Department of Environmental Science University of Kashinin Scinager - 190006

Prof. Bashir Ahmad Ganat

Head

Department of Environmental Science University of Sashmy Sringer-190006



University of Kashmir

Srinagar - 190006, Kashmir

Date: 28 06/2016

CERTIFICATE

This is to certify that the Dissertation entitled "Study of Hacterial Bioto of Some Springs of Kashmio Valley submitted by Nahida Ramzan. Roll no. 14063120014 for the partial fulfillment of the award of Musters 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 satisfactority worked under our supervision and guidance on whole-time basis for the period required under statutes.

Supervisor

Dr. Rugeyn Hazir Assistant Professor Department of Enthropsessol Sciences University of Easthour неаа

Prof. Bushir Ahmud Ganai

Department of Anniessemental Sciences Onfectally of Kashasa



PERST-GRADICA VE DEPARTMENT OF ENVIRONMENTAL SCIENCE FACILITY OF Physical and Material Sciences University of Kagania Flaggathal, Srinagar -190006, Kashmir

No.: (kited:

Certificate

Certified that the dissertation entitled "Study of Vertical Variation in Limnochemistry of Nigeen Lake" submitted by Shahid Ahmad Ganice 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. Into dissertation has not been submitted in part or in full, to any university/institution for any degree. The candidate has fulfilled all the southerry requirements for the submission of the dissertation.

Prof. B.A. Ganai

Head

Department of Environmental science
University of Kuchade

Dr. Sami Ullah Bhat

Assistant Professor Department of Environmental science University of Kashmir



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

Maid	_	
Date		

Certificate

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

Dr. Arshid Jehangir

Supervisor Assistant Probosor Department of Environmental science, University of Kastmit, Scienger (Stricts)

Prof. Rasher Memad Ganas

Department of Environmental Seconds, University of Kastroic, Scienger-190006



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

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DAM 25/06/2015

Certificate

This is to certify that the M.Sc. Dissertation entitled "study of spring water quality of district gamerasat" is the original research work of Ms. Yasira Munwar for purtial 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 supercision 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
Emiscraty of Kanhair

Dr. Austmah Twercer

Supervisor

Department of Environment scores

Laborate of Karlenia

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 Kashwir voley 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 entried out by her under my supervision and guidance. This work has not been submitted fully or partially so far snywhere for the award of any other degree.

Supervisor

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

Prof. B. A.Ganut Department of Environmental Science University of Kushmir



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

No: Dated:

CERTIFICATE

Certified due the dissertation emilled "Isolatom, Characterisation and Ia-Vitro Antihoriertal Leabastion of Betalinic Acad from Meliase Officinatic against Some Human Pathinguile Bartoria" submitted by Shahida Nascem, Enrolment No. 14063120020 for the award of Master's of Science (M.Sc.) Degree in Environmental Science, a 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 a magnitude five any degree or diploma, the candidate has fulfilled all the augusticy recuirements for the althousands of the dissertation.

Station Spinger.

Daniel: 27/1/2016

Dr. Bilol Ahmad Wani

(Supervisor)

Prof. Basha Ahmad Guani

(Blead of the Department)



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

Dr. 22-6-8016

Certificate

This is to certify that the M.Sc. Dissertance entitled "Pungs" Flora Associated With Fish Fanns Of Kashmir Valley" is the original research work of Ms. Sabire Hafis for partial fulfillment of the requirements for the award of the degree of Macter of Sekace (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 at fir loc submission,

Prof. Bashir yamad Ganai Department of Curiosmental science University of Ecologic

Prof. Dashir Ahmad Ganai

Supervisor

Beganness of Nursessesses science

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UNIVERSITY OF KASHMIR SRINAGAR - KASHMIR, 190006

Outes 37-06-16



Certificate

This is to certify that the dissertation entitled, "A study of Soil Enzymes of Sommarg 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 Jacuity of Postgraduate Studies, University of Kashmir is a record of bonafide research work carried out by Miss Malik Survya Gani (Regd. National Research work carried out by Miss Malik Survya Gani (Regd. National Research work carried out by Miss Malik Survya Gani (Regd. National Research work carried out by Miss Malik Survya Gani (Regd. National Research work carried out by Miss Malik Survya Gani (Regd. National Research work carried out by Miss Malik Survya Gani (Regd. National Research work carried out by Miss Malik Survya Gani (Regd. National Research work carried out by Miss Malik Survya Gani (Regd. National Research work carried out by Miss Malik Survya Gani (Regd. National Research work carried out by Miss Malik Survya Gani (Regd. National Research work carried out by Miss Malik Survya Gani (Regd. National Research work carried out by Miss Malik Survya Gani (Regd. National Research work carried out by Miss Malik Survya Gani (Regd. National Regd. National Research work carried out by Miss Malik Survya Gani (Regd. National Regd. National Re

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

Prof. [Dr.] B.A.GAMAIE
Department of Environmental
Science/Director of CORD
University of Keshenir

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

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 Nigean Lake" submitted by Nigbah Mugaffer, Rall No 14083120023, for the serial fuffiment 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 parisity so far anywhere for the award of any other degree. The student satisfactority worked under our supervision and guidance on whole time basis for the period required under statutes.

Head

Pest Bachir A. Gunai

Department of Environmental Science University of Englands Dr. Md. Namat All

Department of Europeantanial Science University of Kenhade.



DEPARTMENT OF ENVIRONMENTAL SCIENCE University of Kashmir, Schrager-19000n, Kashmir

Dated 30/6/2016

Certificate

This is to certify that the dissertation entitled, "Prelimnary 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 honafide research work curried out by Miss Syed Sufaura Andrahi bearing Roll No. 14963125624 (Regd. No.58035-W-2010), under my respectivision and guidance and the name has not been submitted for any other degree or diploma.

It is further corafted that the student minglactorily worked under our guidance on whole-time basis for the period required under statues and has put in the required attendance in the department.

Separation. Armitant Professor Department of Environmental Science

University of Kashade,

Sringar 190966

Department of Environmental Science. Conversity of Kashasir, Sringer-19000s

UNIVERSITY OF KASHMIR SRINAGAR - KASHMIR, 190004

Dated: 20/4 18



Certificate

This is to certify that the dissertation entitled 5-wage Water Characteristics at Hamathai STP submittled by Nazla Mohi ad Din, bearing Roll No. 140s3120025 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 correct out by her. This work that not been submitted tully or partially so for anywhere for the award of any after degree. The student satisfactionly worked under my supervision and guidance on whole time basis for the period regulated under statutes.

Head of Department

Prof. B.A. Ganal

Department of Environmental Science/
Director CORD

University of Kastelle

Supervino

OH, Sami Uffah Bhok Assistant Professor Department of Environmental Science University of Kashmir



DEPARTMENT OF ENVIRONMENTAL SCIENCE

University of Kashmir, Srinagar 190006, Kashmir

one 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. Subroom 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 Kashmar, is an aerbentic work earried out by her under my supervision and guidance.

Dr. Arshid Jehangir

Supervisor

Assistant Professor Department of Environmental science,

University of Kashmir, Schoolar-190006

Prof. Busher Shanad Gunat

Department of Environmental Science, University of Kashmir. Srinager-190005