

Annexure 1-G

Certificates of students undertaking field projects:



SCHOOL OF BIOSCIENCES & BIOTECHNOLOGY,
BABA GHULAM SHAH BADSHAH UNIVERSITY,
RAJOURI-J&K (INDIA) -185234

Dated... 17/08/2018

Certificate

This is to certify that the dissertation entitled "DIVERSITY OF ECTOPARASITES INFESTING SHEEP AND GOAT OF DISTRICT RAJOURI" submitted in partial fulfillment of the requirements for the award of MASTERS OF SCIENCE IN ZOOLOGY, embodies the original research work carried out by Mr. ISTFAQ AHMED Roll. No. 29-Zol-2016 in 4th semester of the M.Sc. Zoology. The work was carried out by him during the period from March to July, 2018 at the Department of Zoology, School of Biosciences and Biotechnology, Baba Ghulam Shah Badshah University, Rajouri.

The present work has not been submitted in part or full for the award of any other Degree or Diploma of this or any other University/Institute.

Supervisor

Dr. M. A. Hannan Khan
Assistant Professor

Head of the Department

Dr. M. A. Hannan Khan
Head,
Department of Zoology
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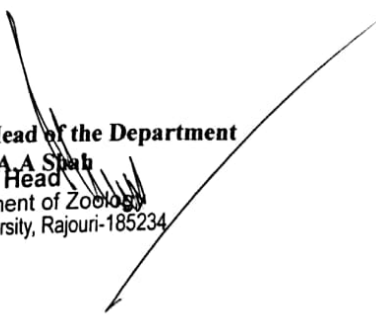
DEPARTMENT OF ZOOLOGY
SCHOOL OF BIOSCIENCES AND BIOTECHNOLOGY
BABA GHULAM SHAH BADSHAH UNIVERSITY
RAJOURI 185 234 (J&K) INDIA

CERTIFICATE

This is to certify that the dissertation entitled "**Assessment of the hydrogen peroxide radical scavenging activity of *Glycyrrhiza glabra* roots**" is based on the work carried out by **MS, Fozia choudhary** Roll No. **01-ZOL-16** in the **4th Semester of the M.Sc. Zoology**. The work was carried out by her during the period of March-August, 2018 at Department of Zoology, Baba Ghulam Shah Badshah University, Rajouri.

The dissertation is being submitted to the Department of Zoology, Baba Ghulam Shah Badshah University, Rajouri (J&K) for the partial fulfilment of the requirement for the award of the degree of Master in Zoology.


Signature of Supervisor
Dr. Mohd Salim Reshi


Signature of Head of the Department
Dr. A.A. Shah
Head
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BGSB University, Rajouri-185234



DEPARTMENT OF ZOOLOGY
SCHOOL OF BIOSCIENCES AND BIOTECHNOLOGY,
BABA GHULAM SHAH BADSHAH UNIVERSITY
RAJOURI-185234 (J&K)-INDIA

DATE...18/01/2018

CERTIFICATE

It is hereby certified that the dissertation entitled Biological Investigation Of *Sitophilus zeamais*: A Substantial Damage Causing Insect On Maize in district Rajouri, is based on the work carried out by Shafia Chowdhary, Roll No. 11-Zol -2016 in the 4th semester of the M.Sc. Zoology. The work has carried out by her during the period from March-May, 2018 at Department of Zoology, BGSBU, Rajouri.

The dissertation is being submitted to Department of Zoology, School of Biosciences and Biotechnology, Baba Ghulam Shah Badshah University Rajouri (J&K) for the partial fulfillment of the requirements for the award of the degree of Master in Zoology.

18/01/2018
Dr. Sajad Ahmed Khan
Supervisor of Zoology
Assistant Professor

Head of Department
Dr A.A. Shah
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Department of Zoology
BGSB University, Rajouri-185234




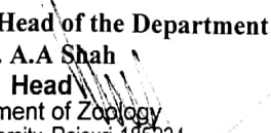
DEPARTMENT OF ZOOLOGY
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BABA GHULAM SHAH BADSHAH UNIVERSITY
RAJOURI 185 234 (J&K) INDIA

CERTIFICATE

This is to certify that the dissertation entitled "A study on total phenolic content and Antioxidant potential of *Glycyrrhiza glabra*" is based on the work carried out by **MS. Samreen Sultana**, Roll No. **08-ZOL-16** in the **4th Semester of the M.Sc. ZOOLOGY**. The work was carried out by her during the period of February-july, 2018 at Department of Zoology, Baba Ghulam Shah Badshah University, Rajouri.

The dissertation is being submitted to the Department of Zoology, Baba Ghulam Shah Badshah University, Rajouri (J&K) for the partial fulfilment of the requirement for the award of the degree of Master in Zoology.


Signature of Supervisor
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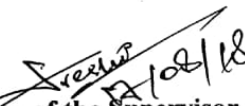


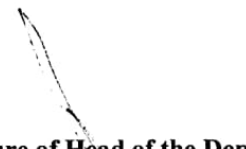
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CERTIFICATE

This is to certify that the dissertation entitled "**Evaluation of Total Phenolic Content and Antioxidant activity of *Allium sativum***" is based on the work carried out by **MS. Rahila Kouser**, Roll No. 30-ZOL-16 in the **4th Semester of the M.Sc. Zoology**. The work was carried out by her during the period of February-july, 2018 at Department of Zoology, Baba Ghulam Shah Badshah University, Rajouri.

The dissertation is being submitted to the Department of Zoology, Baba Ghulam Shah Badshah University, Rajouri (J&K) for the partial fulfilment of the requirement for the award of the degree of Master in Zoology.


Signature of the Supervisor
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CERTIFICATE

This is to certify that the dissertation entitled "**Phytochemical Screening by FTIR Spectroscopic analysis of *Allium sativum***" is based on the work carried out by **MS. Huma Ayoub**, Roll No. **25-ZOL-16** in the **4th Semester of the M.Sc. ZOOLOGY**. The work was carried out by her during the period of February-july, 2018 at Department of Zoology, Baba Ghulam Shah Badshah University, Rajouri.

The dissertation is being submitted to the Department of Zoology, Baba Ghulam Shah Badshah University, Rajouri (J&K) for the partial fulfilment of the requirement for the award of the degree of Master in Zoology.


Signature of Supervisor

Dr. Mohd Salim Reshi

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BGSB University, Rajouri



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CERTIFICATE

This is to certify that the dissertation entitled "**Evaluation of the H_2O_2 Radical Scavenging Activity of *Allium sativum***" is based on the work carried out by **MS. Mehreen kossar**, Roll No. **28-ZOL-16** in the **4th Semester of the M.Sc. ZOOLOGY**. The work was carried out by her during the period of February-july, 2018 at Department of Zoology, Baba Ghulam Shah Badshah University, Rajouri.

The dissertation is being submitted to the Department of Zoology, Baba Ghulam Shah Badshah University, Rajouri (J&K) for the partial fulfilment of the requirement for the award of the degree of Master in Zoology.

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Signature of Supervisor
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SCHOOL OF BIOSCIENCES AND BIOTECHNOLOGY
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CERTIFICATE

This is to certify that the dissertation entitled "**Phytochemical Screening of *Glycyrrhiza glabra* roots by FTIR Spectroscopic Analysis**" is based on the work carried out by **MS. Humayra Akhter**, Roll No. **10-ZOL-16** in the **4th Semester of the M.Sc. Zoology**. The work was carried out by her during the period of March-August, 2018 at Department of Zoology, Baba Ghulam Shah Badshah University, Rajouri.

The dissertation is being submitted to the Department of Zoology, Baba Ghulam Shah Badshah University, Rajouri (J&K) for the partial fulfilment of the requirement for the award of the degree of Master in Zoology.

Reshi
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Signature of Supervisor
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SCHOOL OF BIOSCIENCE AND BIOTECHNOLOGY,

BABA GHULAM SHAH BADSHAH UNIVERSITY

RAJOURI-185234 (J&K)-INDIA

DATE.....

It is hereby certified that the dissertation entitled *Biological Investigation Of Pieris Brassicae: A Substantial Damage Causing Insect pest On Knol-Khol And Cabbage in District Rajouri*, is based on the work carried out by **Basra Mubashir**, Roll No. 22-Zol - 2016 in the 4th semester of the M.Sc. Zoology. The work has carried out by her during the period from March-May, 2018 at Department of Zoology, BGSBU, Rajouri.

The dissertation is being submitted to Department of Zoology, School of Biosciences and Biotechnology, Baba Ghulam Shah Badshah University Rajouri (J&K) for the partial fulfillment of the requirements for the award of the degree of Master in Zoology.

Supervisor
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RAJOURI-185234 (J&K)-INDIA

DATE 18/01/2018

CERTIFICATE

It is hereby certified that the dissertation entitled " Diversity of Beetles ...(Coleoptera: Insecta) from Udhampur district of Jammu and Kashmir" **is based on the work carried out by SHAISTA JABEEN Reg No. 26-Zol -2016 in the 4th semester of the M.Sc. Zoology. The work was carried out by her during the period from April-july, 2018 at Department of Zoology, BGSBU, Rajouri.**

The dissertation is being submitted to Department of Zoology, School of Biosciences and Biotechnology, Baba Ghulam Shah Badshah University Rajouri (J&K) for the partial fulfillment of the requirements for the award of the degree of Master in Zoology.


Dr. Sajad Ahmad Khan

Assistant Professor

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Dr. A. ANSHARI
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RAJOURI-185234 (J&K)-INDIA

DATE 18/08/2018

CERTIFICATE

It is hereby certified that the dissertation entitled " Diversity of Butterflies ...(Lepidoptera: Insects) from Pir Panjal Biodiversity Park of BGSBU district Rajouri of Jammu and Kashmir" is based on the work carried out by **SALMA BILAL** Reg No. 05-Zol -2016 in the 4th semester of the M.Sc. Zoology. The work has carried out by her during the period from March-May, 2018 at Department of Zoology, BGSBU, Rajouri.

The dissertation is being submitted to Department of Zoology, School of Biosciences and Biotechnology, Baba Ghulam Shah Badshah University Rajouri (J&K) for the partial fulfillment of the requirements for the award of the degree of Master in Zoology.


Supervisor
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BABA GHULAM SHAH BADSHAH UNIVERSITY
RAJOURI-185234 (J&K)-INDIA

DATE 18/8/2018

It is hereby certified that the dissertation entitled Biological Investigation Of *Callosobruchus maculatus*: A Substantial Damage Causing Insect On Storage Pulses in district Rajouri, is based on the work carried out by Asma Ferdose, Roll No. 23-Zol - 2016 in the 4th semester of the M.Sc. Zoology. The work has carried out by her during the period from May-July, 2018 at Department of Zoology, BGSBU, Rajouri.

The dissertation is being submitted to Department of Zoology, School of Biosciences and Biotechnology, Baba Ghulam Shah Badshah University Rajouri (J&K) for the partial fulfillment of the requirements for the award of the degree of Master in Zoology.


Supervisor
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Assistant Professor

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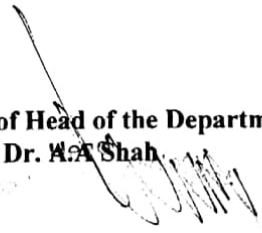
**DEPARTMENT OF ZOOLOGY
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BABA GHULAM SHAH BADSHAH UNIVERSITY
RAJOURI 185 234 (J&K) INDIA**

CERTIFICATE

This is to certify that the dissertation entitled **“Biological Investigation of Pieris rapae: A Substantial damage causing insect on Cabbage, Mustard and Knol-Khol”** is based on the work carried out by **MS. Sofia Mushtaq** Roll No. **14-ZOL-16** in the **4th Semester of the M.Sc. ZOOLOGY**. The work was carried out by her during the period of February-july, 2018 at Department of Zoology, Baba Ghulam Shah Badshah University, Rajouri.

The dissertation is being submitted to the Department of Zoology, Baba Ghulam Shah Badshah University, Rajouri (J&K) for the partial fulfilment of the requirement for the award of the degree of Master in Zoology.


18/8/2018.
**Signature of Supervisor
Dr. Sajad Ahmed Khan**


**Signature of Head of the Department
Dr. A.A. Shah**

CERTIFICATE



DEPARTMENT OF ZOOLOGY
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Rajouri- J&K (India)-185234

This is to certify that the dissertation entitled "PREVALENCE OF NEMATODES, CESTODES AND TREMATODES PARASITES OF HUMAN IN DISTRICT RAJOURI" submitted in partial fulfillment of the requirements for the award of MASTER OF SCIENCE IN ZOOLOGY, embodies the original research work carried out by MS. SAJDA KOUSER. Roll. No: 04-Zol-2016 in the 4th semester of the M. Sc. Zoology. The work was carried out by her during the period from March to July, 2018 at the Department of Zoology, School of Biosciences and Biotechnology, Baba Ghulam Shah Badshah University, Rajouri.

The present work has not been submitted in part or full for the award of any other Degree or Diploma of this or any other University/Institute.

Supervisor

DR. M. A. HANIF KHAN

Dr. M. A. Hanif Khan
Assistant Professor

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DEPARTMENT OF ZOOLOGY
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BABA GHULAM SHAH BADSHAH UNIVERSITY
RAJOURI-185234 (J&K)-INDIA

DATE 18/08/18

CERTIFICATE

It is hereby certified that the dissertation entitled "Extraction of nematodes from different areas of Rajouri district of Jammu and Kashmir" is based on the work carried out by Arfan anjum Reg No. 17-Zol -2016 in the 4th semester of the M.Sc. Zoology. The work has carried out by him during the period from March-august, 2018 at Department of Zoology, BGSBU, Rajouri.

The dissertation is being submitted to Department of Zoology, School of Biosciences and Biotechnology, Baba Ghulam Shah Badshah University Rajouri (J&K) for the partial fulfillment of the requirements for the award of the degree of Master in Zoology.

Supervisor
Dr. M.A Khan
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DEPARTMENT OF ZOOLOGY
SCHOOL OF BIOSCIENCE AND BIOTECHNOLOGY,
BABA GHULAM SHAH BADSHAH UNIVERSITY
RAJOURI-185234 (J&K)-INDIA

DATE: 17-08-2018

It is hereby certified that the dissertation entitled 'PREVALENCE OF GASTROINTESTINAL PARASITIC DISEASES IN LIVESTOCKS IN DISTRICT RAJOURI, is based on the work carried out by Mehwish Dar, Roll No. 21-Zol -2016 in the 4th semester of the M.Sc. Zoology. The work has carried out by her during the period from May-August, 2018 at Department of Zoology, Baba Ghulam Shah Badshah University Rajouri.

The dissertation is being submitted to Department of Zoology, School of Biosciences and Biotechnology, Baba Ghulam Shah Badshah University Rajouri (J&K) for the partial fulfillment of the requirements for the award of the degree of Master in Zoology.

Supervisor *Khale*
Dr. M.A. Hannan Khan
Assistant Professor
17/08/18

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BGSB University, Rajouri-185234



School of Biosciences & Biotechnology
Baba Ghulam Shah Badshah University,
Rajouri-J&K (India) -185234

Dated: 16-08-2018


Certificate

It is hereby certified that the dissertation entitled "DISTRIBUTION OF HUMAN PARASITIC PROTOZOAN INFECTION IN DISTRICT RAJOURI, JAMMU AND KASHMIR" is based on the work carried out by Ms. SAHIL BHAT Roll No. 15-Zol-2016, in the 4th semester of the M.Sc. Zoology. The work was carried out by her during the period from March-July, 2018 at Department of Zoology School of Biosciences and Biotechnology, Baba Ghulam Shah Badshah University, Rajouri.

The dissertation is being submitted to the Department of Zoology School of Bioscience and Biotechnology, Baba Ghulam Shah Badshah University, Rajouri (J&K) for the partial fulfillment of the requirement for the award of the degree of Master of science in Zoology.

The present work has not been submitted in part or full for the award of any other degree or diploma of this or any other university.

Supervisor


Dr. M.A. Hannan Khan
Dr. M. A. Hannan Khan
Assistant Professor
D/o Zoology
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HEAD OF THE
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Head
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Department of Zoology

School of Biosciences & Biotechnology,
Baba Ghulam Shah Badshah University,
Rajouri-J&K (India) -185234

Dated: 14-08-2019

Certificate

It is hereby certified that the dissertation entitled "**Soil Toxicity Assessment and Molecular Characterization of Different Populations of *Diploscapter coronatus***" is based on the work carried out by **Mr. Ishteyaq Majeed Shah**, Roll. No. **07-Zol-2016**, in the 4th semester of the M.Sc. Zoology. The work was carried out by her during the period from April-August, 2018, at **Nematode Genomics Research Laboratory**, School of Biosciences and Biotechnology.

The dissertation is being submitted to the Department of Zoology, School of Biosciences and Biotechnology, Baba Ghulam Shah Badshah University, Rajouri (J&K) for the partial fulfillment of the requirement for the award of the degree of Master in Zoology.

(Dr. A. A. Shah)
Supervisor

Head
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School of Biosciences & Biotechnology,
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Dated: 16-08-2018

Certificate

It is hereby certified that the dissertation entitled "**Molecular Characterization of few populations of *Diploscapter lycostoma* using RAPD Markers**" is based on the work carried out by **Ms Anam Fatima Mir**, Roll. No. 03-Zol-2016, in the 4th semester of the M.Sc. Zoology. The work was carried out by her during the period from April-August, 2018, at **Nematode Genomics Research Laboratory**, School of Biosciences and Biotechnology.

The dissertation is being submitted to the Department of Zoology, School of Biosciences and Biotechnology, Baba Ghulam Shah Badshah University, Rajouri (J&K) for the partial fulfillment of the requirement for the award of the degree of Master in Zoology.

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Supervisor

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Head
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Dated: 16/08/2018

Certificate

It is hereby certified that the dissertation entitled "**Molecular Characterization of few populations of *Cuticularia Oxycerca* using RAPD Markers**" is based on the work carried out by **Ms Rafia Mir**, Roll. No.24-Zol-2016, in the 4th semester of the M.Sc. Zoology. The work was carried out by her during the period from April-August, 2018, at **Nematode Genomics Research Laboratory**, School of Biosciences and Biotechnology.

The dissertation is being submitted to the Department of Zoology, School of Biosciences and Biotechnology, Baba Ghulam Shah Badshah University, Rajouri (J&K) for the partial fulfillment of the requirement for the award of the degree of Master in Zoology.

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Dated: 16-08-2018

Certificate

It is hereby certified that the dissertation entitled "**Molecular Characterization of few populations of *Bursilla monohystera* using ITS Markers**" is based on the work carried out by **Ms. Anjum Sabha, Roll. No. 06-Zol-2016**, in the 4th semester of the M.Sc. Zoology. The work was carried out by her during the period from April-August, 2018, at **Nematode Genomics Research Laboratory**, School of Biosciences and Biotechnology.

The dissertation is being submitted to the Department of Zoology, School of Biosciences and Biotechnology, Baba Ghulam Shah Badshah University, Rajouri (J&K) for the partial fulfillment of the requirement for the award of the degree of Master in Zoology.

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Head
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Department of Zoology

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Dated: 14-08-2018

Certificate

It is hereby certified that the dissertation entitled "**Molecular Characterization of few populations of *Mesorhabditis spiculigera* using RAPD Markers**" is based on the work carried out by **Mr Shaker Kabir, Roll. No. 27-Zol-2016**, in the 4th semester of the M.Sc. Zoology. The work was carried out by him during the period from April-August, 2018, at **Nematode Genomics Research Laboratory**, School of Biosciences and Biotechnology.

The dissertation is being submitted to the Department of Zoology, School of Biosciences and Biotechnology, Baba Ghulam Shah Badshah University, Rajouri (J&K) for the partial fulfillment of the requirement for the award of the degree of Master in Zoology.

(Dr. A. A. Shah)
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Head
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Department of Zoology

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Dated: 16-08-2018

Certificate

It is hereby certified that the dissertation entitled "**Molecular Characterization of few populations of *Cuticularia Oxycerca* using ITS Markers**" is based on the work carried out by **Ms Iqra Sayeed, Roll. No.13-Zol-2016**, in the 4th semester of the M.Sc. Zoology. The work was carried out by her during the period from April-August, 2018, at **Nematode Genomics Research Laboratory**, School of Biosciences and Biotechnology.

The dissertation is being submitted to the Department of Zoology, School of Biosciences and Biotechnology, Baba Ghulam Shah Badshah University, Rajouri (J&K) for the partial fulfillment of the requirement for the award of the degree of Master in Zoology.

(Dr. A. A. Shah)
Supervisor

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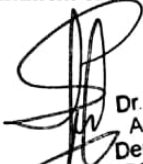
SCHOOL OF BIOSCIENCE AND BIOTECHNOLOGY BABA GHULAM SHAH BADSHAH
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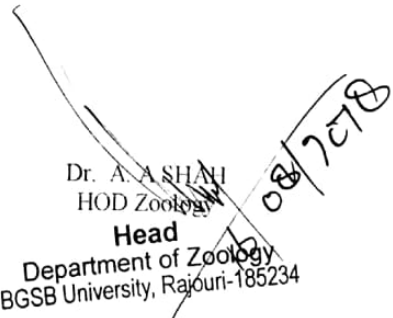
DATE: 09-08-2018

CERTIFICATE

It is hereby certified that the dissertation entitled "Taxonomic description of *Phylostenax himalus* Mosely (1936) (Trichoptera: Limnephilidae) from Pulwama and Rajouri districts of Jammu and Kashmir" is based on the work carried out by Shamshad Ahmad Dar, Reg No. 16-Zol -2016 in the 4th semester of the M.SC, Zoology. The work has carried out by him during the period from March-May, 2018 at Department of Zoology, School of Biosciences and Biotechnology, BGSBU, Rajouri.

The dissertation is being submitted to **Department of Zoology**, School of Biosciences and Biotechnology, Baba Ghulam Shah Badshah University Rajouri (J&K) for the partial fulfillment of the requirements for the award of the degree of Master in zoology.


Dr. SAJAD H. PAREY
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Dr Sajad Hussain Parray
Supervisor


Dr. A. A. SHANI
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Head
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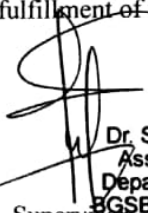
DEPARTMENT OF ZOOLOGY
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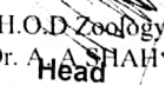
DATE 09-08-2018

CERTIFICATE

It is hereby certified that the dissertation entitled " Socio economic Analysis of Bee keepers of Tehsil Nowshera of District Rajouri (J&K) " is based on the work carried out by Akshay Sharma, Reg No. 09-Zol -2016 in the 4th semester of the M.Sc. Zoology. The work has carried out by him during the period from March-May, 2018 at Department of Zoology, BGSBU, Rajouri.

The dissertation is being submitted to Department of Zoology, School of biosciences and Biotechnology, Baba Ghulam Shah Badshah University Rajouri (J&K) for the partial fulfillment of the requirements for the award of the degree of Master in Zoology.


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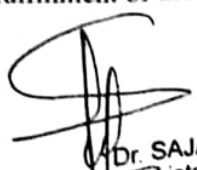
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DATE 09-08-2018


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It is hereby certified that the dissertation entitled " SOCIO ECONOMIC ANALYSIS OF TEHSIL THANNAMANDI OF DISTRICT RAJOURI (J&K)" is based on the work carried out by Shazia Shaheen, Reg No. 18-Zol -2016 in the 4th semester of the M.Sc, Zoology. The work has been carried out by her during the period from March-May, 2018 at Department of Zoology, School of Biosciences & Biotechnology.

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This is to certify that the dissertation entitled "Diversity of insect pollinators in BGSBU Pir Panjal Biodiversity park" is based on the work carried out by Arjumand John, Reg No. 12-Zol-2016 in the 4th semester of M. Sc Zoology under my guidance and supervision from March 2018 – August 2018 at Department of Zoology, School of Biosciences and Biotechnology, Rajouri, Jammu and Kashmir.

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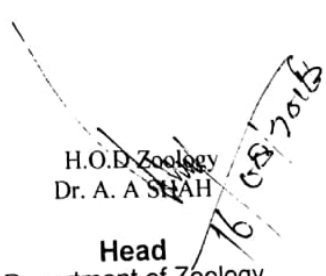
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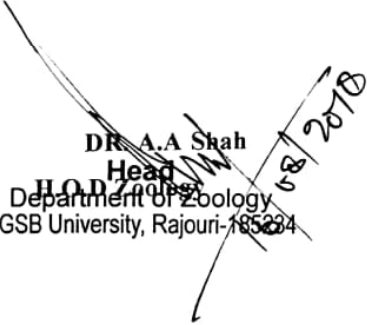

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This is to certify that the dissertation entitled "**Diversity of Syrphidflies/hoverflies (Diptera; Insecta)**" in BGSBU Pir Panjal Biodiversity Park is based on the work carried out by **Heena Jan**, Reg No 20 Zol 16 in the 4th Semester of M. Sc Zoology under my guidance and Supervision from March 2018 – August 2018 at Department of Zoology, School of Bioscience and Biotechnology, Rajouri, Jammu and Kashmir.

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It is hereby certified that the dissertation entitled - *Level of Awareness about Parasitic Diseases among Students, Rajouri, J&K* is based on the work carried out by MS. ASIMA SHAFQAT Roll No. 19-ZoI-2016, in the 4th semester of the M.Sc. Zoology. The work was carried out by her during the period from March-July, 2018 at Department of Zoology School of Bioscience and Biotechnology, Baba Ghulam Shah Badshah University Rajouri.

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The present work has not been submitted in part or full for the award of any other degree or diploma of this or any other university

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