

Central University of Himachal Pradesh

(Established under Central Universities Act 2009) Dharamshala (HP) - 176215

Dated: 12-7-22

Department of Animal Sciences School of Life Sciences

Central University of Himachal Pradesh, Dharamshala [Established under the Central Universities Act 2009] Dharamshala, District Kangra, Himachal Pradesh [India] – 176215

This to certify that the dissertation entitled "Traditional and medicinal uses of Animals and their parts in Karsog division of Mandi district, (H.P)" submitted by Pooja Thakur (CUHP20ZOO20) D/o Dharam Singh to the Central University of Himachal Pradesh, Dharamshala in partial fulfillment of the requirements for the award of degree of Master of Science in Zoology has been approved by the committee after an oral examination of the student in collaboration with an External Examiner.

Dr. Sunil Kumar

Supervisor

External Examiner

Head of the Department

(Dr. Sunil Kumar)

Dean of School All Se Sciences

(Pro (Pardeep Kumar)



Central University of Dimachal Pradesh (Established under Central Universities Act 2009) Dharamshala (HP) - 176215

CERTIFICATE

Dated: 12-07-2022

Department/Centre School of Life Sciences

Central University of Himachal Pradesh, Dharamshala [Established under the Central Universities Act 2009] Dharamshala, District Kangra, Himachal Pradesh [India] - 176215

This is certify that the dissertation entitled "Study on Distribution Pattern of Macro-benthos diversity in relation to nutrients of Pong Reservoir, Kangra (H.P)" submitted by Anshuta Sharma (CUHP20ZOO05) D/o Sh. Shyam Lal to the Central University of Himachal Pradesh, Dharamshala in partial fulfillment of the requirements for the award of degree of Master of Science in Zoology has been approved by the committee after an oral examination of the student in collaboration with an External Examiner.

Supervisor

External Exempiner

Head of the Departmen

Dean of Setto Not bife Sciences



Central University of Himachal Pradesh (Established under Central Universities Act 2009) Dharamshala (HP) - 176215

CERTIFICATE

Dated: 12-1-22

Department/Centre School of Life Sciences

Central University of Himachal Pradesh, Dharamshala [Established under the Central Universities Act 2009] Dharamshala, District Kangra, Himachal Pradesh [India] – 176215

This to certify that the dissertation entitled "Length-weight relationship of selected fish species from Gobind Sagar reservoir ,Bilaspur(H.P)" submitted by Harsita mehta (CUHP20ZOO11) D/o/ S/o&LSubhash chand to the Central University of Himachal Pradesh, Dharamshala in partial fulfillment of the requirements for the award of degree of Master of Science in Zoology has been approved by the committee after an oral examination of the student in collaboration with an External

Examiner.

Dr.Sunil kumar Supervisor External Dynaminer

Head of the Department

Dean of Ser Con Life Sciences



Central University of Himachal Pradesh (Established under Central Universities Act 2009) Dharamshala (HP) - 176215

CERTIFICATE

Dated: 12.- 07- 22

Department Animal science
School of Life Sciences
Central University of Himachal Pradesh, Dharamshala
[Established under the Central Universities Act 2009]
Dharamshala, District Kangra,
Himachal Pradesh [India] – 176215

This to certify that the dissertation entitled "Survey on pollinator insects of Shahpur, District Kangra with special reference to mango pollinators" submitted by Meenakshi (CUHP20ZOO17) D/o Sh. Kuldeep Kumar to the Central University of Himachal Pradesh, Dharamshala in partial fulfillment of the requirements for the award of degree of Master of Science in Zoology has been approved by the committee after an oral examination of the student in collaboration with an External Examiner.

Dr. Sunil Kumar

Supervisor

External Examiner

Head of the Department

Dean of Salvotor Life Sciences



Central University of Himachal Pradesh (Established under Central Universities Act 2009) Dharamshala (HP) - 176215

CERTIFICATE

Dated:......

Department of Animal Sciences
School of Life Sciences
Central University of Himachal Pradesh, Dharamshala
[Established under the Central Universities Act 2009]
Dharamshala, District Kangra,
Himachal Pradesh [India] – 176215

This to certify that the dissertation entitled "Ethnozoological study on use of animal and animal derived products in traditional medicine in Arki area of district Solan, Himachal Pradesh" submitted by Akriti Sharma (CUHP20ZOO02) D/o Jai krishan to the Central University of Himachal Pradesh, Dharamshala in partial fulfillment of the requirements for the award of degree of Master of Science in Zoology has been approved by the committee after an oral examination of the student in collaboration with an External Examiner.

Dr. (sun) Kumar

Supervisor

External Examiner

Dr. Sunil Kumar

Head of the Department

Prof. Pardee Kumar



Central University of Himachal Pradesh (Established under Central Universities Act 2009) Dharamshala (HP) - 176215

CERTIFICATE

Dated: 12-07-2022

Department of Animal sciences
School of Life Sciences
Central University of Himachal Pradesh, Dharamshala
[Established under the Central Universities Act 2009]
Dharamshala, District Kangra,
Himachal Pradesh [India] – 176215

This to certify that the dissertation entitled "An Astounding Biodiversity of Butterflies in Shahpur area of Kangra district, Himachal Pradesh" submitted by Banwari Yadav (CUHP20ZOO08) S/o Shri Shyoji Lal Yadav to the Central University of Himachal Pradesh, Dharamshala in partial fulfillment of the requirements for the award of degree of Master of Science in Zoology has been approved by the committee after an oral examination of the student in collaboration with an External Examiner.

Dr Sumil Kumar

Supervisor

Dr......External Examiner

Head of the Department

Dean of Selfon of Life Sciences



Central University of Himachal Pradesh

(Established under Central Universities Act 2009)

Dharamshala (HP) - 176215

CERTIFICATE

Dated: 12 July 22

Department/Centre School of Life Sciences

Central University of Himachal Pradesh, Dharamshala [Established under the Central Universities Act 2009] Dharamshala, District Kangra. Himachal Pradesh [India] - 176215

This to certify that the dissertation entitled "Analysis of Water Quality of Manuni Stream" submitted by Manshi Choudhary(CUHP20ZOO14) D/O Shri Ram Pal to the Central University of Himachal Pradesh, Dharamshala in partial fulfillment of the requirements for the award of degree of Master of Science in Zoology has been approved by the committee after an oral examination of the student in collaboration with an External Examiner.

Supervisor

Head of the Department

of Life Sciences



Central University of Himachal Pradesh

(Established under Central Universities Act 2009)

Dharamshala (HP) - 176215

CERTIFICATE

Dated: 12/07/2022

Department of Animal Science School of Life Sciences Central University of Himachal Pradesh, Dharamshala [Established under the Central Universities Act 2009] Dharamshala, District Kangra, Himachal Pradesh [India]- 176215

This is to certify that the dissertation entitled "Analysis of Physiochemical Properties and Microbial Diversity of Water bodies from Chhatri, Kangra (H.P)." submitted by Chetna (CUHP20Z0009) D/o Surender Singh to the Central University of Himachal Pradesh, Dharamshala in partial fulfilment of the requirements for the award of degree of Master of Science in Zoology has been approved by the committee after an oral examination of the student in collaboration with an External Examiner.

Dr. Ranjit Kumar

Supervisor

External Examiner

Head of the Department



Central University of Himachal Pradesh (Established under Central Universities Act 2009) Dharamshala (HP) - 176215

CERTIFICATE

Dated: 12-07-22

Department of Animal Sciences
School of Life Sciences
Central University of Himachal Pradesh, Dharamshala
[Established under the Central Universities Act 2009]
Dharamshala, District Kangra,
Himachal Pradesh [India]–176215

This is to certify that the dissertation entitled "To study weight loss of different pulses by Callosobruchus chinensis and their biopesticidal management" submitted by Anuradha Rani (CUHP20ZOO06) D/o Naresh Kumar to the Central University of Himachal Pradesh, Dharamshala in partial fulfillment of the requirements for the award of degree of Master of Science in Zoology has been approved by the committee after an oral examination of the student in collaboration with an External Examiner.

Dr Ranjit Kumar

Supervisor

External Examiner

Dr. Suml Kumar Head of the Department



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Dated: 12-07 -22

Department of Animal Science School of Life Sciences

Central University of Himachal Pradesh, Dharamshala [Established under the Central Universities Act 2009] Dharamshala, District Kangra,

Himachal Pradesh [India] - 176215

This is to certify that the dissertation entitled "To evaluate role of yeast on growth of wheat plant" submitted by Kanupriya (CUHP20ZOO12) D/o/.Mr. Prakash Chand the Central University of Himachal Pradesh, Dharamshala in partial fulfillment of the requirements for the award of degree of Master of Science in Zoology has been approved by the committee after an oral examination of the student in collaboration with an External Examiner.

Dr..Ranjit Kumar. Supervisor

Externa Daminer

Head of the Department



Central University of Himachal Pradesh (Established under Central Universities Act 2009) Dharamshala (HP) - 176215

CERTIFICATE

Dated: 12:7-22

Department of Animal Science School of Life Sciences

Central University of Himachal Pradesh, Dharamshala [Established under the Central Universities Act 2009] Dharamshala, District Kangra, Himachal Pradesh [India] – 176215

This to certify that the dissertation entitled "To study Morphological characteristics and growth of Lactobacillus in different pH" submitted by Samriti negi (CUHP20ZOO24) D/o/ .Mr. Goverdhan Dutt. to the Central University of Himachal Pradesh, Dharamshala in partial fulfillment of the requirements for the award of degree of Master of Science in Zoology has been approved by the committee after an oral examination of the student in collaboration with an External Examiner.

Dr..Ranjit Kumar. Supervisor

External Examiner

Dr Synil Kumar

Head of the Department



Central University of Himachal

(Established under Central Universities Act 2009)

Dharamshala (HP) - 176215

CERTIFICATE

Department of Animal Sciences School of Life Sciences

Central University of Himachal Pradesh, Dharamshala [Established under the Central Universities Act 2009] Dharamshala, District Kangra, Himachal Pradesh [India] – 176215

This is to certify that the dissertation entitled "Comparison of Diversity and Growth Pattern of Lactobacillus from Curd and Buttermilk" submitted by Anjali Kumari (CUHP20ZOO03) D/o Raj Singh to the Central University of Himachal Pradesh, Dharamshala in partial fulfillment of the requirements for the award of degree of Master of Science in Zoology has been approved by the committee after an oral examination of the student in collaboration with an External Examiner.

Dr. Ranjit Kumar Supervisor

External Examples

Dated 12-07-2022

(Dr. Sun'l Kumar)
Head of the Department

(Dr. Rardeel Kumar)
Dean of School of Life Sciences



Central University of Himachal Pradesh (Established under Central Universities Act 2009) Dharamshala (HP) - 176215

CERTIFICATE

Dated: 1.2-07-22

Department of Animal Sciences (Zoology) School of Life Sciences

Central University of Himachal Pradesh, Dharamshala [Established under the Central Universities Act 2009] Dharamshala, District Kangra, Himachal Pradesh [India] – 176215

This is to certify that the dissertation entitled "To study comparative pH tolerance of Lactobacillus isolated from curd and lassi" submitted by Ms. Mansi Pathania (CUHP20ZOO15) D/o Mr. Sanjeev Pathania to the Central University of Himachal Pradesh, Dharamshala in partial fulfillment of the requirements for the award of degree of Master of Science in Zoology has been approved by the committee after an oral examination of the student in collaboration with an External Examiner.

Dr. Ranjit Kumar Supervisor

External Examiner

Dr. Sumil Kumare

Head of the Department

Dk. Prodeep Kumar



Central University of Himachal Pradesh (Established under Central Universities Act 2009) Dharamshala (HP) - 176215

CERTIFICATE

Dated: 12 JULY .. 2022

Department of Animal Science (Zoology)
School of Life Sciences
Central University of Himachal Pradesh Di

Central University of Himachal Pradesh, Dharamshala [Established under the Central Universities Act 2009] Dharamshala, District Kangra, Himachal Pradesh [India]– 176215

Thisis to certify that the dissertation entitled "Microbial Diversity in Different Water Sources of Kangra District" submitted byRajat Bhatia(CUHP20ZOO21)S/o Sh. Ravinder Kumar to the Central University of Himachal Pradesh, Dharamshala in partial fulfillment of the requirements for the award of degree of Master of Science in Zoology has been approved by the committee after an oral examination of the student in collaboration with an External Examiner.

Dr. Ranjit Kumar

Supervisor

Dr......Dr. External Examiner

Head of the Department



Central University of Himachal Pradesh

(Established under Central Universities Act 2009)

Dharamshala (HP) - 176215

CERTIFICATE

Dated: 12 July 2022

Department of Animal science

School of Life Sciences

Central University of Himachal Pradesh, Dharamshala

[Established under the Central Universities Act 2009]

Dharamshala, District Kangra,

Himachal Pradesh [India] - 176215

This to certify that the dissertation entitled "Effect of earthworm species on the physico-chemical properties of soil in District Kangra" submitted by Sneha Thakur (CUHP20ZOO27) D/o Rakesh Kumar to the Central University of Himachal Pradesh, Dharamshala in partial fulfillment of the requirements for the award of degree of Master of Science in Zoology has been approved by the committee after an oral examination of the student in collaboration with an External Examiner.

Dr. Reshma Sinha

Supervisor

External Examiner

Head of the Department-

Dr. Sunil Kumar

Dean of Scholnor Life Sciences

Prof. Paracep Kumar



Central University of Himachal Pradesh

(Established under Central Universities Act 2009)

Dharamshala (HP) - 176215

CERTIFICATE

Dated: 12 July, 2022

Department of Animal Science

School of Life Sciences

Central University of Himachal Pradesh, Dharamshala

[Established under the Central Universities Act 2009]

Dharamshala, District Kangra,

Himachal Pradesh [India] - 176215

This to certify that the dissertation entitled "Earthworm diversity near Shahpur region of District Kangra (H.P.)" submitted by Sonia Thakur (CUHP20ZOO29) D/O Kheema Ram to the Central University of Himachal Pradesh, Dharamshala in partial fulfillment of the requirements for the award of degree of Master of Science in Zoology has been approved by the committee after an oral examination of the student in collaboration with an External Examiner.

Dr. Reshma Sinha

Supervisor

External Examiner

Head of the Department

(Dr. Sunil Kumar)

Dean of School nitrife Sciences

(Prof. Pardeep Kumar)



Central University of Himachal Pradesh (Established under Central Universities Act 2009) Dharamshala (HP) - 176215

CERTIFICATE

Dated: KHJuly 2022

Department of Animal Sciences

School of Life Sciences

Central University of Himachal Pradesh, Dharamshala

[Established under the Central Universities Act 2009]

Dharamshala, District Kangra,

Himachal Pradesh [India]- 176215

This to certify that the dissertation entitled "Assessment of Microplastic in soil sample from district Kangra, Himachal Pradesh." submitted by Yogita (CUHP20ZOO33) D/o Sh. Kartar singh to the Central University of Himachal Pradesh, Dharamshala in partial fulfillment of the requirements for the award of degree of Master of Science in Zoology has been approved by the committee after an oral examination of the student in collaboration with an External Examiner.

Dr. Reshma Sinha

Supervisor

Externa Examiner

Troit is the state of the state



Central University of Himachal Pradesh

(Established under Central Universities Act 2009) Dharamshala (HP) - 176215

CERTIFICATE

Dated: 12th July 2022

Department of Animal Sciences

School of Life Sciences

Central University of Himachal Pradesh, Dharamshala [Established under the Central Universities Act 2009] Dharamshala, District Kangra, Himachal Pradesh [India] – 176215

This is to certify that the dissertation entitled "Identification and Quantitation of Microplastics in Water Bodies of Kangra District of Himachal Pradesh." submitted by Sangeeta (CUHP20ZOO25) D/o Sh. Ashok Kumar to the Central University of Himachal Pradesh, Dharamshala in partial fulfillment of the requirements for the award of degree of Master of Science in Zoology has been approved by the committee after an oral examination of the student in collaboration with an External Examiner.

Dr. Reshma Sinha

Supervisor

External Examiner

Head of Department

Kumar



Central University of Himachal Bradesh (Established under Central Universities Act 2009) Dharamshala (HP) - 176215

CERTIFICATE

Dated: 10-7-2022

Department of Animal Sciences
School of Life Sciences
Central University of Himachal Pradesh, Dharamshala
[Established under the Central Universities Act 2009]
Dharamshala, District Kangra,
Himachal Pradesh [India] – 176215

This to certify that the dissertation entitled "Biology of tobacco caterpillar(Spodoptera litura) on French bean and Amaranth" submitted by Mrinal (CUHP20ZOO18) D/o/ Sh. Sunil Dutt and Smt. Manju Kumari to the Central University of Himachal Pradesh, Dharamshala in partial fulfillment of the requirements for the award of degree of Master of Science in Zoology has been approved by the committee after an oral examination of the student in collaboration with an External Examiner.

Dr. Reshma Sinha

Supervisor

External Examiner

Dr. Sunn Kumar

Head of the Department

Prof. Pradeen Kumar



Central University of Himachal Pradesh (Established under Central Universities Act 2009)

Dharamshala (HP) - 176215

CERTIFICATE

Dated :.. 13 July 12022

Department of Animal Sciences School of Life Sciences

Central University of Himachal Pradesh, Dharamshala [Established under the Central Universities Act 2009] Dharamshala, District Kangra, Himachal Pradesh [India] – 176215

This to certify that the dissertation entitled "Evaluating the effects of two agricultural pesticides on mosquito larvae" submitted by Sujeta Kumari (CUHP20ZOO30) D/o/ Shakeen Chand to the Central University of Himachal Pradesh, Dharamshala in partial fulfillment of the requirements for the award of degree of Master of Science in Zoology has been approved by the committee after an oral examination of the student in collaboration with an External Examiner.

Dr. Reshma Sinha Supervisor

Dr. Suni Kuma

Head of the Department

Dean of School of Life Sciences

Prof\P



Central University of Himachal Pradesh

(Established under Central Universities Act 2009)
Dharamshala (HP) - 176215

CERTIFICATE

Dated: 12-07-22.

Department/Centre School of Life Sciences

Central University of Himachal Pradesh, Dharamshala [Established under the Central Universities Act 2009] Dharamshala, District Kangra, Himachal Pradesh [India] – 176215

This to certify that the dissertation entitled "Anthropogenic Impact of Habitat Ecological Parameters on Plankton Diversity in Pong Reservoir, Kangra (HP)" submitted by Deeksha Thakur (CUHP20ZOO10) D/o Sh. Kashmir Singh Thakur to the Central University of Himachal Pradesh, Dharamshala in partial fulfillment of the requirements for the award of degree of Master of Science in Zoology has been approved by the committee after an oral examination of the student in collaboration with an External Examiner.

Dr. Amit Kr. Sharma

Supervisor

External Examiner

Head of the Department



Central University of Dimachal Pradesh (Established under Central Universities Act 2009) Dharamshala (HP) - 176215

CERTIFICATE

Dated: 12-27-22

Department/Centre
School of Life Sciences
Central University of Himachal H

Central University of Himachal Pradesh, Dharamshala [Established under the Central Universities Act 2009] Dharamshala, District Kangra, Himachal Pradesh [India] – 176215

This to certify that the dissertation entitled "A Study on Physico-Chemical and Biological Parameters of Selected Pond Water Bodies at Shahpur, Kangra (HP)" submitted by Manveen Kaur (CUHP20ZOO16) D/o Kamaljit Singh to the Central University of Himachal Pradesh, Dharamshala in partial fulfillment of the requirements for the award of degree of Master of Science in Zoology has been approved by the committee after an oral examination of the student in collaboration with an External Examiner.

Dr. AMIT KR. SHARMA Supervisor External Examiner

Head of the Department



Central University of Himachal Pradesh (Established under Central Universities Act 2009) Dharamshala (HP) - 176215

CERTIFICATE

Dated: 12 - July - 22

Department/Centre
School of Life Sciences
Central University of Himachal Pradesh, Dharamshala
[Established under the Central Universities Act 2009]
Dharamshala, District Kangra,
Himachal Pradesh [India] – 176215

This to certify that the dissertation entitled "Assessment of Physico-Chemical and Microbial Properties of Ice Used for Various Purposes in Kangra City (HP)" submitted by Saloni (CUHP20ZOO23) D/o Sh. Vijay Kumar to the Central University of Himachal Pradesh, Dharamshala in partial fulfillment of the requirements for the award of degree of Master of Science in Zoology has been approved by the committee after an oral examination of the student in collaboration with an External Examiner.

Dr. Amit Kr. Sharma

Supervisor

External Examiner

Head of the Department



Central University of Himachal Pradesh (Established under Central Universities Act 2009)

Dharamshala (HP) - 176215

CERTIFICATE

Dated: 1.2-07-2022

Department/Centre School of Life Sciences

Central University of Himachal Pradesh, Dharamshala [Established under the Central Universities Act 2009] Dharamshala, District Kangra, Himachal Pradesh [India] – 176215

This to certify that the dissertation entitled "Population Status of Water Dependent Birds in Pong Wetland at District Kangra (HP)" submitted by Shilpa Devi (CUHP20ZOO26) D/o Sh. Vishnu to the Central University of Himachal Pradesh, Dharamshala in partial fulfillment of the requirements for the award of degree of Master of Science in Zoology has been approved by the committee after an oral examination of the student in collaboration with an External Examiner.

Dr. Amit Kr. Sharma Supervisor

External Examiner

Head of the Department



Central University of Himathal Pradesh (Established under Central Universities Act 2009) Dharamshala (HP) - 176215

CERTIFICATE

Dated:.12/07/2022

ANIMAL SCIENCES School of Life Sciences

Central University of Himachal Pradesh, Dharamshala [Established under the Central Universities Act 2009] Dharamshala, District Kangra, Himachal Pradesh [India] – 176215

This to certify that the dissertation entitled "Population Dynamics of Selected Endemic Fish Species in Pong Reservoir, Kangra (HP)" submitted by Tripta Devi (CUHP20ZOO31) D/o: Om Parkash to the Central University of Himachal Pradesh, Dharamshala in partial fulfillment of the requirements for the award of degree of Master of Science in Zoology has been approved by the committee after an oral examination of the student in collaboration with an External Examiner.

Dr. Amit Kr. Sharma

Supervisor

External Examiner

Head of the Department



Central University of Himachal Pradesh (Established under Central Universities Act 2009) Dharamshala (HP) - 176215

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Dated:.1.2.-0.7- 22

Department/Centre School of Life Sciences

Central University of Himachal Pradesh, Dharamshala [Established under the Central Universities Act 2009] Dharamshala, District Kangra, Himachal Pradesh [India] – 176215

This to certify that the dissertation entitled "Status and Diversity of Birds in Kangra and Chamba District of Himachal Pradesh" submitted by Vineet Singh (CUHP20ZOO32) S/o Sh. Charan Das to the Central University of Himachal Pradesh, Dharamshala in partial fulfillment of the requirements for the award of degree of Master of Science in Zoology has been approved by the committee after an oral examination of the student in collaboration with an External Examiner.

Dr. Amit Kr. Sharma

Supervisor

External Examiner

Head of the Department



Central University of Himachal Pradesh

(Established under Central Universities Act 2009) Dharamshala (HP) - 176215

CERTIFICATE

Dated: 1.7. 22

Department/Centre School of Life Sciences

Central University of Himachal Pradesh, Dharamshala [Established under the Central Universities Act 2009] Dharamshala, District Kangra, Himachal Pradesh [India] – 176215

This to certify that the dissertation entitled "Water Quality Assessment of Two Major Tributaries of River Beas (Baner and Gaj)" submitted by Ankita (CUHP20ZOO04) D/o Sh. Kalyan Singh to the Central University of Himachal Pradesh, Dharamshala in partial fulfillment of the requirements for the award of degree of Master of Science in Zoology has been approved by the committee after an oral examination of the student in collaboration with an External Examiner.

Dr. Rakesh Kumar

Supervisor

External Examiner

Head of the Department



Central University of Himachal Pradesh

(Established under Central Universities Act 2009) Dharamshala (HP) - 176215

Dated: 19 July 2012

Department/Centre School of Life Sciences

Central University of Himachal Pradesh, Dharamshala [Established under the Central Universities Act 2009] Dharamshala, District Kangra, Himachal Pradesh [India] – 176215

This to certify that the dissertation entitled "Histopathological study on the gills of predatory fish Xenentodon cancila infected by Eustrongylides excisus larvae submitted by Sonia (CUHP20ZOO28) D/o Hira Lal to the Central University of Himachal Pradesh, Dharamshala in partial fulfillment of the requirements for the award of degree of Master of Science in Zoology has been approved by the committee after an oral examination of the student in collaboration with an External Examiner.

Dr. Rakesh kumar.

Supervisor

External Examine

Head of the Department



Central University of Himachal Pradesh (Established under Central Universities Act 2009) Dharamshala (HP) - 176215

CERTIFICATE

Dated:.1.2.] 7/22

Department of Animal Sciences School of Life Sciences

Central University of Himachal Pradesh, Dharamshala [Established under the Central Universities Act 2009] Dharamshala, District Kangra, Himachal Pradesh [India] – 176215

This to certify that the dissertation entitled "Water quality status of river Ravi at Chamba(HP)" submitted by Rashi Kapur (CUHP20ZOO22) D/o/ S/o Sh Sanjay Kapur to the Central University of Himachal Pradesh, Dharamshala in partial fulfillment of the requirements for the award of degree of Master of Science in Zoology has been approved by the committee after an oral examination of the student in collaboration with an External Examiner.

Supervisor

External Examiner

Head of the Department



Central University of Himachal Pradesh

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Dated: 12. July, 2022

Department School of Life Sciences

Central University of Himachal Pradesh, Dharamshala [Established under the Central Universities Act 2009] Dharamshala, District Kangra, Himachal Pradesh [India] – 176215

This to certify that the dissertation entitled "A Survey of Cage culture site at Pong Reservoir" submitted by Arti Guleria (CUHP20ZOO07) D/o/ Mr. Surinder Singh to the Central University of Himachal Pradesh, Dharamshala in partial fulfillment of the requirements for the award of degree of Master of Science in Zoology has been approved by the committee after an oral examination of the student in collaboration with an External Examiner.

Dr. Rakesh Kumar Supervisor External Examiner

Head of the Department



Central University of Himachal Pradesh

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Dharamshala (HP) - 176215

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Department/Centre
School of Life Sciences

Central University of Himachal Pradesh, Dharamshala [Established under the Central Universities Act 2009] Dharamshala, District Kangra, Himachal Pradesh [India] – 176215

This to certify that the dissertation entitled "Biology, Morphometry and Potent Biopesticide Activity of Roylea cinerea against Plutella xylostella L. (Diamondback moth)" submitted by Aakash Rathour (CUHP20ZOO01) S/o Lekh Raj to the Central University of Himachal Pradesh, Dharamshala in partial fulfillment of the requirements for the award of degree of Master of Science in Zoology has been approved by the committee after an oral examination of the student in collaboration with an External Examiner.

Dr. Rakesh kumar.

Supervisor

External Examiner

Head of the Department



Central University of Himachal Pradesh

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Dharamshala (HP) - 176215

CERTIFICATE

Dated. 1210712022

Department of Animal Science School of Life Sciences

Central University of Himachal Pradesh, Dharamshala [Established under the Central Universities Act 2009] Dharamshala, District Kangra, Himachal Pradesh [India] – 176215

This is to certify that the dissertation entitled "Study of Biology and Biomanagement of Tuta absoluta" submitted by Namita Sharna (CUHP20ZOO19) D/o Vinod Kumar to the Central University of Himachal Pradesh, Dharamshala in partial fulfillment of the requirements for the award of degree of Master of Science in Zoology has been approved by the committee after an oral examination of the student in collaboration with an External Examiner.

Dr. Rakesh Kumar

Supervisor

External Examiner

(Dr. Sunil Kumar)
Head of the Department



Central University of Himachal Pradesh (Established under Central Universities Act 2009)

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CERTIFICATE

Dated:2022

Department of Animal Sciences
School of Life Sciences
Central University of Himachal Pradesh, Dharamshala

[Established under the Central Universities Act 2009] Dharamshala, District Kangra, Himachal Pradesh [India]—176215

This to certify that the dissertation entitled "Food and Feeding Habits of Tor putitora and Schizothorax richardsonii Fish Species in Beas River at Mandi (HP)" submitted by Manish Sharma(CUHP20ZOO13)S/o Brij Kishor to the Central University of Himachal Pradesh, Dharamshala in partial fulfillment of the requirements for the award of degree of Master of Science in Zoology has been approved by the committee after an oral examination of the student in collaboration with an External Examiner.

Dr. Rakesh Kumar

Supervisor

Dr. External Examiner

Head of the Department