



स्वामी राम हिमालयन विश्वविद्यालय Swami Rama Himalayan University

Criterion I - Curricular Aspects

1.1 Curriculum Design and Development

1.1.3 Provide a description of courses with focus on competency/ employability/ entrepreneurship/ skill-development offered either by the University or in collaboration with partner Institutions / Industries during the last five years.

**Additional Information
(Appreciation letters, Certificates of workshops and conferences, Paper publications etc.)**



International e-Conference
On
Recent Advances & Innovations in Applied Sciences – 2023 (RAIAS-2023)
August 12, 2023 | e-Platform, India
Certificate of Participation

This is to certify that

Mr. Mayank Bahuguna

Swami Ram Himalayan University, Dehradun

has participated in the Conference RAIAS-2023 (organised by IITyam India Academy Delhi in collaboration with the Department of Chemistry HNB Govt. PG College Khatima UK and Department of Zoology, Govt. PG College Bazpur UK, Department of Higher Education, Govt. of Uttarakhand, India) and Presented

Oral Presentation

Titled

Assessment of Iron in Drinking Water Sources of Garhwal Region, Uttarakhand, India

Dr. Ashish K Upadhyay
Convener RAIAS

Dr. Chetna Verma
Secretary RAIAS

Dr. Shiv K Upadhyay
Conference Chair RAIAS



e-certificate ID: RAIAS-2023/OL/018

Date: 26-Dec-2023

To Whom It May Concern



This certification acknowledges that Ms. Anamika Negi, D/o Mr. Dharmendra Singh, a student from Swami Rama Himalayan University Jolly grant, has been employed as a Clinical Trial Assistant at Auriga Research Pvt Ltd since 18-Sep-2023.

She has showcased remarkable dedication, initiative, and a strong commitment towards her responsibilities. Her contributions have proven to be invaluable to our team's objectives and achievements.

Ms. Anamika Negi consistently strives for excellence in all tasks undertaken, reflecting commendable professionalism and an unwavering commitment to delivering high-quality work.

We commend Ms. Anamika Negi for her outstanding contributions and unwavering commitment to excellence.

Authorized Signatory



**Dr. Manish Ranjan,
Vice President-Corporate
Auriga Research Private Limited,
136, Sector-5, IMT Manesar,
Gurugram, Haryana-122050**

Auriga Research Private Limited

Plot No. 136, Sector- 5, IMT Manesar, Gurgaon, Haryana- 122050 (INDIA)

Regd. Off.: 4/9, Kirti Nagar, Industrial Area, New Delhi - 110015 (INDIA), Ph. : +91-11-45754546-47, Fax : +91-124-400644

E-mail : auriga@aurigaresearch.com Website : www.aurigaresearch.com

CIN : U74899DL 1994PTC063731



Date: 26-Dec-2023

To Whom It May Concern

This certification acknowledges that Ms. Anshika Rawat, S/o Mr. B. S. Rawat, a student from Swami Rama Himalayan University Jolly grant, has been employed as a Sr. Clinical Research Associate at Auriga Research Pvt Ltd since 16-Aug-2021.

She has showcased remarkable dedication, initiative, and a strong commitment towards his responsibilities. Her contributions have proven to be invaluable to our team's objectives and achievements.

Ms. Anshika Rawat consistently strives for excellence in all tasks undertaken, reflecting commendable professionalism and an unwavering commitment to delivering high-quality work.

We commend Ms. Anshika Rawat for her outstanding contributions and unwavering commitment to excellence.

Authorized Signatory



**Dr. Manish Ranjan,
Vice President-Corporate
Auriga Research Private Limited,
136, Sector-5, IMT Manesar,
Gurugram, Haryana-122050**

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Plot No. 136, Sector- 5, IMT Manesar, Gurgaon, Haryana- 122050 (INDIA)

Regd. Off.: 4/9, Kirti Nagar, Industrial Area, New Delhi - 110015 (INDIA), Ph. : +91-11-45754646-47, Fax : +91-124-400644

E-mail : auriga@aurigaresearch.com Website : www.aurigaresearch.com

CIN : U74899DL 1994PTC063731



Date: 26-Dec-2023

To Whom It May Concern

This certification acknowledges that Mr. Badrish Pratap Singh, S/o Mr. B. S. Rawat, a student from Swami Rama Himalayan University Jolly grant, has been employed as a Clinical Research Associate Cum Clinical Data manager at Auriga Research Pvt Ltd since 16-Aug-2021.

He has showcased remarkable dedication, initiative, and a strong commitment towards his responsibilities. His contributions have proven to be invaluable to our team's objectives and achievements.

Mr. Badrish Pratap Singh consistently strives for excellence in all tasks undertaken, reflecting commendable professionalism and an unwavering commitment to delivering high-quality work.

We commend Mr. Badrish Pratap Singh for his outstanding contributions and unwavering commitment to excellence.

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Dr. Manish Ranjan
Vice President-Corporate
Auriga Research Private Limited,
136, Sector-5, IMT Manesar,
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E-mail : auriga@aurigaresearch.com Website : www.aurigaresearch.com

CIN : U74899DL 1994PTC063731



Date: 26-Dec-2023

To Whom It May Concern

This certification acknowledges that Ms. Samreen Rehman, D/o Mr. Aatur Rahman, a student from Swami Rama Himalayan University Jolly grant, has been employed as a QA Executive at Auriga Research Pvt Ltd since 14-Aug-2023.

She has showcased remarkable dedication, initiative, and a strong commitment towards her responsibilities. Her contributions have proven to be invaluable to our team's objectives and achievements.

Ms. Samreen Rehman consistently strives for excellence in all tasks undertaken, reflecting commendable professionalism and an unwavering commitment to delivering high-quality work.

We commend Ms. Samreen Rehman for her outstanding contributions and unwavering commitment to excellence.

Authorized Signatory



Dr Manish Ranjan,
Vice President-Corporate
Auriga Research Private Limited,
136, Sector-5, IMT Manesar,
Gurugram, Haryana-122050

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BioSangam 2022

AN INTERNATIONAL CONFERENCE

Emerging Trends in Biotechnology

March 10-12, 2022

Organized by:

Department of Biotechnology

Motilal Nehru National Institute of Technology Allahabad, Prayagraj - India

CERTIFICATE

This is to certify that Dr./Mr./Mrs./Ms..... *Ankit Verma*
from *Swami Rama Himalayan University, Dehradun*
has participated / presented a paper (Oral /Poster) entitled *Investigation of potential
targets and their inhibitors in Mycobacterium tuberculosis*
.....
in the International Conference (BioSangam 2022) during March 10 - 12, 2022 at the
Department of Biotechnology, MNNIT Allahabad, Prayagraj, India.

Dr. Vishnu Agarwal
Chairman BioSangam & Head
BioSangam 2022



Biospectrum 2022
International Conference on Biotechnology &
Biological Sciences



Certificate of Presentation

This is to certify that Prof./Dr./Mr./Ms/ Ankit Verma Of Swami Rama Himalayan University presented poster titled Development Of Novel Inhibitors Targeting Murb Of Mycobacterium Cell Wall .In Biospectrum held from 5th to 7th November 2022

Satyajit Chakrabarti

Prof.Dr.Satyajit Chakrabarti
Pro-Vice Chancellor, UEMK
President Smart Society

Dr. Shalini Dhyani
Senior Scientist, CSIR-NEERI
Asia Vice Chair-IUCN-CEM





Certificate of Participation

This is to certify that
Megha Choudhary
has actively participated in 16th Uttarakhand State Science and Technology Congress 2020-22
22nd to 24th June, 2022
and presented a research paper (Oral/Poster) entitled

Exploitation of microorganisms associated with leaf cutter ants of
Uttarakhand for their antifungal activity
under the discipline
Biotechnology, Biochemistry and Microbiology
of Graphic Era University, Dehradun

Ashutosh
Dr Ashutosh Mishra
Organizing Secretary - 16th USSTC
Council for Science and Technology
Uttarakhand

Dr. Rajendra Dobhal
Dr Rajendra Dobhal, FNASc
Chairman - 16th USSTC
Director General
Council for Science and Technology, Uttarakhand





BioSangam 2022

AN INTERNATIONAL CONFERENCE

Emerging Trends in Biotechnology

March 10-12, 2022

Organized by:

Department of Biotechnology

Motilal Nehru National Institute of Technology Allahabad, Prayagraj - India

CERTIFICATE

This is to certify that Dr./Mr./Mrs./Ms..... *Megha Choudhary*
from *Swami Rama Himalayan University*
has participated / presented a paper (Oral /Poster) entitled *Isolation and Molecular
Diversity of Actinomycetes associated with Leaf Cutter Ants of Uttarakhand*
.....
in the International Conference (BioSangam 2022) during March 10 - 12, 2022 at the
Department of Biotechnology, MNNT Allahabad, Prayagraj, India.

Dr. Vishnu Agarwal
Chairman BioSangam & Head
BioSangam 2022





National Conference
on



**ENVIRONMENT, WATER, AGRICULTURE, SUSTAINABILITY AND
HEALTH (EWASH-2023): STRATEGIZING A GREENER FUTURE**

&

5th Annual Meet of STE

22nd - 23rd December, 2023

at Swami Rama Himalayan University, Jolly Grant, Dehradun, Uttarakhand

Jointly Organized by

Swami Rama Himalayan University, Jolly Grant, Dehradun, Uttarakhand

Save The Environment (STE), Kolkata/Gurugram

The National Academy of Sciences, Prayagraj, Uttar Pradesh

D.A.V. (PG) College Dehradun, Uttarakhand

Best Poster Presentation Award

This is to certify that

Mayank Bahuguna, MSBS, SRHU

"Microbial approach for removal of Fe content..... drinking water"

is awarded the **Best Poster** presentation in the National Conference on **EWASH-2023**.

Dr. Rajendra Dobhal
Vice Chancellor, SRHU

Prof. S. K. Singh
Principal, DAV (PG) College Dehradun

Dr. Kshipra Misra
President, STE & Convener, EWASH-2023





BioSangam 2022
AN INTERNATIONAL CONFERENCE

Emerging Trends in Biotechnology

March 10-12, 2022

Organized by:

Department of Biotechnology

Motilal Nehru National Institute of Technology Allahabad, Prayagraj - India

CERTIFICATE

*This is to certify that Dr./Mr./Mrs./Ms..... Anjali Uniyal
from Swami Rama Himalayan University
has participated / presented a paper (Oral /Poster) entitled Evaluation of In-Vitro
Antimicrobial Activity of Plant Extracts of Rheum Species Against Bacterial and Fungal Strains
.....
in the International Conference (BioSangam 2022) during March 10 - 12, 2022 at the
Department of Biotechnology, MNNIT Allahabad, Prayagraj, India.*

Dr. Vishnu Agarwal
Chairman BioSangam & Head
BioSangam 2022





GangaAyurCon-2022

5th - 6th September, 2022

Organised by : Uttarakhand Ayurved University

Certificate of Presentation

This is to certify that *Anjali Uniyal*

Genetic Diversity Assessment Using Molecular Markers for the Germplasm Conservation of Rhem sp.

has Presented

Scientific Paper in Session*I*...../Scientific Poster in

GangaAyurCon-2022


An International Conference on **Medicinal Plants of Ganga River Basin and Their**

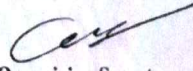
Therapeutic Importance in India System of Medicine held


at Gurukul Campus Uttarakhand Ayurved University, Haridwar (U.K.)



Vice Chancellor, UAU
(Prof. Sunil Joshi)


Registrar, UAU
(Dr. Rajesh Kumar)

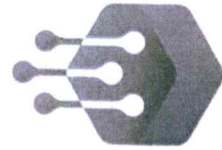

Campus Director
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(Dr. Ved Bhushan Sharma)


Organizing Secretary
(Dr. Yadendra Yadav)


Organizing Secretary
(Dr. Kiran Vashisht)





15th & 16th
UTTARAKHAND
STATE SCIENCE AND TECHNOLOGY
CONGRESS 2020-22



Certificate of Participation

This is to certify that

Anjali Uniyal

has actively participated in 16th Uttarakhand State Science and Technology Congress 2020-22
22nd to 24th June, 2022

and presented a research paper (Oral/Poster) entitled

*An effective and low-cost method for DNA extraction from the leaves
of Rheum sp. (An endangered medicinal herb of Indian Himalayan Region)*

under the discipline

Biotechnology, Biochemistry and Microbiology
at Graphic Era University, Dehradun

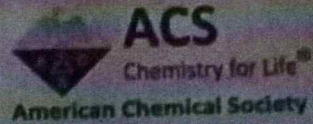
Ashutosh

Dr Ashutosh Mishra
Organizing Secretary - 16th USSTC
Council for Science and Technology
Uttarakhand

Dr. Rajendra Dobhal

Dr Rajendra Dobhal, FNASc
Chairman - 16th USSTC
Director General
Council for Science and Technology, Uttarakhand





UTTARANCHAL UNIVERSITY

CERTIFICATE OF APPRECIATION

This is to certify that

Dr. /Mr. / Ms. ... *Abhilekh Sati Himalayan School of Bi Science*
has presented poster/oral presentation on

..... and
was awarded *1st PRIZE*

International Conference
on

**ADVANCES IN MATERIALS FOR HEALTH, ENVIRONMENT
AND CIRCULAR ECONOMY (ICAMTHEC-2022)**

25-26 NOVEMBER, 2022

organized by

**SCHOOL OF APPLIED & LIFE SCIENCES (SALS),
UTTARANCHAL UNIVERSITY, DEHRADUN.**

Dr. Nishesh Sharma
Organizing Secretary

Prof. Ajay Singh (Convenor)
Dean- SALS,
Uttaranchal University

Prof. Dharam Buddhi
Vice-Chancellor,
Uttaranchal University

CO-SPONSERS



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DIAGNOSTICS**



NATA CODE
Pharmacare





CERTIFICATE OF PARTICIPATION

Presented to

NEHA

Swami Rama Himalayan University, Dehradun

for Participating in the power seminar webinar on the theme

Job Skills to Succeed in a Post Pandemic World

Conducted by ICT Academy On

25 Apr 2020 (02:30 pm - 04:30 pm).

C.No: PS81054285

Date: 25 Apr 2020



B. Anbutambi

Dr B Anbuthambi
President



CERTIFICATE OF PARTICIPATION

Presented to

PRAGATI KOTHIYAL

Swami Rama Himalayan University, Dehradun

for Participating in the power seminar webinar on the theme

Job Skills to Succeed in a Post Pandemic World

Conducted by ICT Academy On

25 Apr 2020 (02:30 pm - 04:30 pm).

C.No: PS8104559

Date: 25 Apr 2020



Dr B Anbuthambi
President



CERTIFICATE OF PARTICIPATION

Presented to

RAMAN KUMAR PAL

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for Participating in the power seminar webinar on the theme

Envisioning the Future

Conducted by ICT Academy On

13 May 2020 (02:30 pm - 04:30 pm).

C.No: PS78534412

Date: 13 May 2020



Dr B Anbuthambi
President



CERTIFICATE OF PARTICIPATION

Presented to

SANSKRITI SAKLANI

Swami Rama Himalayan University, Dehradun

for Participating in the power seminar webinar on the theme

Envisioning the Future

Conducted by ICT Academy On

13 May 2020 (02:30 pm - 04:30 pm).

C.No: PS78522817

Date: 13 May 2020



Dr B Anbuthambi
President



CERTIFICATE OF PARTICIPATION

Presented to

SHIVANI SATI

Swami Rama Himalayan University, Dehradun

for Participating in the power seminar webinar on the theme

Job Skills to Succeed in a Post Pandemic World

Conducted by ICT Academy On

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C.No: PS8104451

Date: 25 Apr 2020



Dr B Anbuthambi
President



CERTIFICATE OF PARTICIPATION

Presented to

SUBHAM SINGH

Swami Rama Himalayan University, Dehradun

for Participating in the power seminar webinar on the theme

Job Skills to Succeed in a Post Pandemic World

Conducted by ICT Academy On

25 Apr 2020 (02:30 pm - 04:30 pm).

C.No: PS8102906

Date: 25 Apr 2020



Dr B Anbuthambi
President



CERTIFICATE OF PARTICIPATION

Presented to

SHUBHANGI

Swami Rama Himalayan University, Dehradun

for Participating in the power seminar webinar on the theme

Envisioning the Future

Conducted by ICT Academy On

13 May 2020 (02:30 pm - 04:30 pm).

C.No: PS7859422

Date: 13 May 2020



Dr B Anbuthambi
President

CERTIFICATE OF PARTICIPATION

Presented to

SUMIT

Swami Rama Himalayan University, Dehradun

for Participating in the power seminar webinar on the theme

Envisioning the Future

Conducted by ICT Academy On

13 May 2020 (02:30 pm - 04:30 pm).

C.No: PS7859226

Date: 13 May 2020



Dr B Anbuthambi
President



CERTIFICATE OF PARTICIPATION

Presented to

VANSHUL

Swami Rama Himalayan University, Dehradun

for Participating in the power seminar webinar on the theme

Envisioning the Future

Conducted by ICT Academy On

13 May 2020 (02:30 pm - 04:30 pm).

C.No: PS78516730

Date: 13 May 2020

Dr B Anbuthambi
President

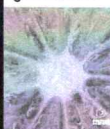


RESEARCH ARTICLE

BENTHAM
SCIENCE

Phytochemical Analysis of *Diplazium esculentum* Reveals the Presence of Medically Important Components

Current Nutrition & Food Science

Bindu Naik¹, Vinay K. Maurya², Vijay Kumar^{3*}, Vivek Kumar³, Sweta Upadhyay³ and Sanjay Gupta³¹Department of Food Technology, UCALS, Uttarakhand University, Dehradun, Uttarakhand-248001, India;²Department of Food Technology, Doon (P.G.) College of Agriculture Science and Technology, Selaqui, Uttarakhand-248011, India; ³Department of Biosciences, Swami Rama Himalayan University, Jollygrant, Uttarakhand-248014, India

Abstract: Background: *Diplazium esculentum* is found throughout Asia growing along with water channels and is used for many purposes. In India, the rhizomes are used to control insects and pests while the young fronds are used as a vegetable and salad. But very few reports on phytochemicals of young fronds and its anti-oxidant activity is available.

Objective: The present study was undertaken to assess the antioxidant, antimicrobial and phytochemical analysis of *D. esculentum*.

Methods: Proximate analysis was done according to the standard protocol while antioxidant and antimicrobial activity was performed by DDPH and well diffusion method respectively. Phytochemical analysis was performed by GC-MS.

Results: The present study revealed that the young fronds of *D. esculentum* contain high amount of carbohydrate followed by protein, crude fibre, and fat. The free radical scavenging activity of methanolic extract was $87.93 \pm 0.3\%$ reduction, which shows it have potential antioxidant activity. The antioxidant property may be contributed by the presence of phytochemicals such as Phosphoric acid, phytol, 2,6,10-Trimethyl,14 ethylene-14-pentadecene, Hexadecanoic acid methyl ester, Pentadecanoic acid, Stigmasta-5,22-dien-3-ol, acetate, (3.beta.). It showed promising antimicrobial activity against *S. aureus* and *B. subtilis*. The antimicrobial activity may be due to the presence of Phytochemicals such as beta-Ocimene, 2,6,10-Trimethyl,14 ethylene-14-pentadecene, 1,2-Benzenedicarboxylic acid,BIS(2-Methylpropyl)ester, Hexadecanoic acid, methyl ester, 1-Heneicosanol, Phytol, 5,8,11,14-Eicosatetraenoic acid, methyl ester(all Z), 1,2-benzenedicarboxylic acid, Ergost-5-en-3-ol, (3.beta.), Stigmasta-5,22-dien-3-ol, acetate, (3.beta.), stigmast-5-EN-3-OL, (3.beta.).

Conclusion: From the present study, it can be deduced that *D. Esculentum* is a rich source of medically important phytochemicals. Further work is required, so that these phytochemicals can be explored in the management of various chronic diseases.

Keywords: Antimicrobial activity, antioxidant, *Diplazium esculentum*, methanol extract, phytochemicals, proximate.

1. INTRODUCTION

Since ancient times plants have been used as a vital resource of nutrition, medicinal products and other life needs. Of all the world's vegetation, Pteridophytes have high economic importance as they are used in a variety of medicinal schemes such as Ayurvedic Charak, Suzhrut and Unani medicines [1]. *D. esculentum* belongs to the family Dryopteridaceae. It is commonly known as Lingura. It is common in Uttarakhand, India and other Asian countries,

especially at low altitudes in Kumaun Himalayas. It grows abundantly alongside water canals. Different parts of the *D. esculentum* are used for many purposes. In the granaries the rhizomes are kept to protect from pests. Another interesting thing is that, *D. esculentum* is one of the most common plants used for restorative purposes and its young fronds are used as green vegetables, salads or foods [2]. It is one of the most popular ferns used for medicine too, its leaves are used for the treatment of cough; decoction of leaves are used to cure cough and sometimes as a tonic and dry rhizomes are used as pesticide or insecticide [3-5]. Dry rhizomes are also used as the bug spray; this plant's extract is now and then used as a tonic to treat hack disease [3-5]. Keeping the above benefits in mind, and especially to find out the presence of

*Address correspondence to this author at the Department of Biosciences, Swami Rama Himalayan University, Jollygrant, Uttarakhand-248014, India; Tel: 09536308056; E-mail: vijaygkp@gmail.com





Draft Genome Sequence of Novel *Streptomyces* sp. Strain AJ-1, Isolated from a Leafcutter Ant in Uttarakhand, India

Megha Choudhary,^a Bindu Naik,^b  Vijay Kumar,^a Ankit Verma,^a Sanjay Gupta^a

^aHimalayan School of Biosciences, Swami Rama Himalayan University, Dehradun, Uttarakhand, India

^bDepartment of Food Science and Technology, Graphic Era Deemed to be University, Dehradun, Uttarakhand, India

ABSTRACT We present the draft genome sequence of *Streptomyces* sp. strain AJ-1, which was isolated from a leafcutter ant found in Uttarakhand, India. The genome assembly resulted in 43 contigs, with a combined length of 6,948,422 bp and a GC content of 73.5%. Through genome annotation, we identified 5,951 protein-coding genes and 67 tRNA genes.

Ants harbor several beneficial microbiomes on their exoskeletons, including *Pseudonocardia* and *Streptomyces* species that provide a defense mechanism by producing antimicrobial substances (1–3). The present study was undertaken to isolate antimicrobial agent-producing actinobacteria associated with leafcutter ants in Uttarakhand, India. Ant samples were collected from the Dehradun district of Uttarakhand, India, on 20 December 2019 by using a net and were kept in sterile plastic containers until sacrificed for isolation of actinobacteria. Each ant was crushed in 500 μ L of autoclaved Milli-Q water, the solution was plated on ISP-2 agar (4), and the plates were then incubated at 37°C for 5 to 7 days. The isolate AJ-1 was identified as *Streptomyces* sp. based on 16S rRNA gene analysis (GenBank accession number OQ256730), and the closest match was found to be *Streptomyces daghestanicus* NRRL B-5418 (GenBank accession number DQ442497). The actinobacterial culture was grown for 48 h at 30°C in 250-mL flasks containing 40 mL of nutrient broth (pH 7.2), at 180 rpm. The cell biomass was used for extraction of total genomic DNA (gDNA), following the method described by Kumar et al. (5). Briefly, cell biomass was redissolved in Tris-EDTA buffer containing lysozymes (20 mg/mL). After incubation at 37°C for 30 min, it was supplemented with 20 μ L of proteinase K (1 mg/mL) and 10% SDS and was incubated at 50°C for 30 min. Phenol-chloroform was added, and the mixture was centrifuged at 10,000 rpm for 5 min at 4°C. The aqueous phase was taken and precipitated with 95% cold ethanol. The DNA was dissolved in DNA/RNA-free water and stored at 4°C until further use.

The gDNA concentration was determined with a Qubit 3.0 fluorometer and a Qubit double-stranded DNA (dsDNA) high-sensitivity (HS) assay kit (Thermo Fischer Scientific). A sequencing library was prepared using the NEBNext Ultra II DNA library preparation kit for Illumina (New England Biolabs). The amplified library was assessed for quantity and quality using a Bioanalyzer 2100 instrument (Agilent Technologies) with a HS DNA chip. Sequencing was conducted on the Illumina HiSeq 4000 platform, generating 6.2 million paired-end reads with an average read length of 151 bp in the 2 \times 50-bp format. Trimmomatic v0.40 was utilized to perform quality trimming of the Fastq sequences, with default parameters. FastQC v0.11.2 was employed for quality assessment (<https://www.bioinformatics.babraham.ac.uk/projects/fastqc>). *De novo* assembly of the bacterial genome was carried out using Unicycler v0.5.0 with SPAdes as the *de novo* assembler (6). The resulting assembly consisted of 43 contigs, with a total length of 6,948,422 bp, an N_{50} value of 468,333 bp, a coverage depth of 270.06 \times , and a GC content of 73.5%. The draft genome annotation was performed using the NCBI Prokaryotic Genome

Editor Simon Roux, DOE Joint Genome Institute

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Address correspondence to Vijay Kumar, vijaykumar@srhu.edu.in.

The authors declare no conflict of interest.

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Date: 26-Dec-2023

To Whom It May Concern

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Authorized Signatory



Dr. Manish Ranjan,
Vice President-Corporate
Auriga Research Private Limited,
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Date: 26-Dec-2023

To Whom It May Concern

This certification acknowledges that Ms. Anshika Rawat, S/o Mr. B. S. Rawat, a student from Swami Rama Himalayan University Jolly grant, has been employed as a Sr. Clinical Research Associate at Auriga Research Pvt Ltd since 16-Aug-2021.

She has showcased remarkable dedication, initiative, and a strong commitment towards his responsibilities. Her contributions have proven to be invaluable to our team's objectives and achievements.

Ms. Anshika Rawat consistently strives for excellence in all tasks undertaken, reflecting commendable professionalism and an unwavering commitment to delivering high-quality work.

We commend Ms. Anshika Rawat for her outstanding contributions and unwavering commitment to excellence.

Authorized Signatory



Dr. Manish Ranjan,
Vice President-Corporate
Auriga Research Private Limited,
136, Sector-5, IMT Manesar,
Gurugram, Haryana-122050

Auriga Research Private Limited

Plot No. 136, Sector- 5, IMT Manesar, Gurgaon, Haryana- 122050 (INDIA)

Regd. Off.: 4/9, Kirti Nagar, Industrial Area, New Delhi - 110015 (INDIA), Ph. : +91-11-45754546-47, Fax : +91-124-400644

E-mail : auriga@aurigaresearch.com Website : www.aurigaresearch.com

CIN : U74899DL 1994PTC063731



Date: 26-Dec-2023

To Whom It May Concern

This certification acknowledges that Mr. Badrish Pratap Singh, S/o Mr. B. S. Rawat, a student from Swami Rama Himalayan University Jolly grant, has been employed as a Clinical Research Associate Cum Clinical Data manager at Auriga Research Pvt Ltd since 16-Aug-2021.

He has showcased remarkable dedication, initiative, and a strong commitment towards his responsibilities. His contributions have proven to be invaluable to our team's objectives and achievements.

Mr. Badrish Pratap Singh consistently strives for excellence in all tasks undertaken, reflecting commendable professionalism and an unwavering commitment to delivering high-quality work.

We commend Mr. Badrish Pratap Singh for his outstanding contributions and unwavering commitment to excellence.

Authorized Signatory



Dr. Manish Ranjan
Vice President-Corporate
Auriga Research Private Limited,
136, Sector-5, IMT Manesar,
Gurugram, Haryana-122050

Auriga Research Private Limited

Plot No. 136, Sector- 5, IMT Manesar, Gurgaon, Haryana- 122050 (INDIA)

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E-mail : auriga@aurigaresearch.com Website : www.aurigaresearch.com

CIN : U74899DL 1994PTC063731



Date: 26-Dec-2023

To Whom It May Concern

This certification acknowledges that Ms. Samreen Rehman, D/o Mr. Ataur Rahman, a student from Swami Rama Himalayan University Jolly grant, has been employed as a QA Executive at Auriga Research Pvt Ltd since 14-Aug-2023.

She has showcased remarkable dedication, initiative, and a strong commitment towards her responsibilities. Her contributions have proven to be invaluable to our team's objectives and achievements.

Ms. Samreen Rehman consistently strives for excellence in all tasks undertaken, reflecting commendable professionalism and an unwavering commitment to delivering high-quality work.

We commend Ms. Samreen Rehman for her outstanding contributions and unwavering commitment to excellence.

Authorized Signatory



Dr. Manish Ranjan,
Vice President-Corporate
Auriga Research Private Limited,
136, Sector-5, IMT Manesar,
Gurugram, Haryana-122050

Auriga Research Private Limited

Plot No. 136, Sector- 5, IMT Manesar, Gurgaon, Haryana- 122050 (INDIA)

Regd. Off.: 4/9, Kirti Nagar, Industrial Area, New Delhi - 110015 (INDIA), Ph. : +91-11-45754546-47, Fax : +91-11-400644

E-mail : auriga@aurigaresearch.com Website : www.aurigaresearch.com

CIN : U74899DL 1994PTC063731





CERTIFICATE OF PARTICIPATION

Presented to

ISHAN RAWAT

Swami Rama Himalayan University, Dehradun

for Participating in the power seminar webinar on the theme

Job Skills to Succeed in a Post Pandemic World

Conducted by ICT Academy On

25 Apr 2020 (02:30 pm - 04:30 pm).

C.No: PS81075

Date: 25 Apr 2020



B. Anbutambi

Dr B Anbuthambi
President



CERTIFICATE OF PARTICIPATION

Presented to

GARIMA

Swami Rama Himalayan University, Dehradun

for Participating in the power seminar webinar on the theme

Job Skills to Succeed in a Post Pandemic World

Conducted by ICT Academy On

25 Apr 2020 (02:30 pm - 04:30 pm).

C.No: PS810858

Date: 25 Apr 2020



Dr B Anbuthambi
President



CERTIFICATE OF PARTICIPATION

Presented to

DEEKSHA

Swami Rama Himalayan University, Dehradun

for Participating in the power seminar webinar on the theme

Job Skills to Succeed in a Post Pandemic World

Conducted by ICT Academy On

25 Apr 2020 (02:30 pm - 04:30 pm).

C.No: PS81054286

Date: 25 Apr 2020



Dr B Anbuthambi
President



CERTIFICATE OF PARTICIPATION

Presented to

ANJALI

Swami Rama Himalayan University, Dehradun

for Participating in the power seminar webinar on the theme

Envisioning the Future

Conducted by ICT Academy On

13 May 2020 (02:30 pm - 04:30 pm).

C.No: PS7859504

Date: 13 May 2020



B. Anbutambi

Dr B Anbuthambi
President



CERTIFICATE OF PARTICIPATION

Presented to

APEKSHA

Swami Rama Himalayan University, Dehradun

for Participating in the power seminar webinar on the theme

Envisioning the Future

Conducted by ICT Academy On

13 May 2020 (02:30 pm - 04:30 pm).

C.No: PS7859946

Date: 13 May 2020



Dr B Anbuthambi
President



JSS Academy of Higher
Education & Research
(Chartered to be University)
Accredited A+ Grade by NAAC



University of Mysore
Accredited A Grade (Cycle-4)
by NAAC

Department of Community Medicine
JSS Medical College

JSS AHER, Mysuru, Karnataka, India - 570015

In collaboration with

Department of Nutrition and Dietetics
School of Life Sciences, JSS AHER, Mysuru

Department of Studies in Food Science and Nutrition
University of Mysore, Mysuru

National Conference
MY NUTRICON-2022

Theme: Public Health Aspects of Nutrition towards Sustainable Development Goals

Certificate

This is to certify that

AKASH M. ISSAC

Dr/Mr/Ms.....

has participated as delegate in the National Conference
"MY NUTRICON-2022" held at JSS Medical College, Mysuru,
Karnataka on 8th and 9th December 2022.

Dr. Praveen Kulkarni
Organizing Secretary

Dr. Sunil Kumar D
Organizing Chairperson

Dr. Komala M
Organizing Chairperson

Dr. H. Basappa Gowdappa
President JSSMC





EFICON 2022

3RD ANNUAL NATIONAL CONFERENCE OF EPIDEMIOLOGY FOUNDATION OF INDIA
ALL INDIA INSTITUTE OF MEDICAL SCIENCES, PATNA



Certificate of Participation

This is to certify that Dr./Mr./Ms. AKASH KRISHNA

has participated as a delegate in the 3rd Annual National Conference of Epidemiology Foundation of India- EFICON 2022, held on 4th – 5th November 2022 organized by Community and Family Medicine Department of All India Institute of Medical Sciences Patna.

This certificate has been awarded 8 Credit Points by The Bihar Council of Medical Registration.

Dr. Sahajanand pd. Singh
Registrar, BCMR

Dr. Sunil Kumar Singh
Co-chairman, Academic, BCMR

Dr. Basant Singh
Chairman, Academic, BCMR

Prof. (Dr.) Gopal Krishna Pal
Chief patron, ED, AIIMS Patna

Prof. (Dr.) C. M. Singh
Organizing Chairperson

Dr. Pragya Kumar
Organizing Secretary





NH/SMVDNH/Intern/2022-23/70

Date: June 15th, 2022

TO WHOMSOEVER IT MAY CONCERN

This is to certify that **Dr. Akshita Abrol D/o Mr. R. K. Abrol** student of **Swami Rama Himalayan University; Uttarakhand** has successfully completed her internship in the **Department of Quality** from **11th February 2022 to 14th June 2022**.

During her internship period, she has met the expectation of the organization.

We wish her all the best for her future endeavors.

For Narayana Vaishno Devi Specialty Hospitals Pvt. Ltd.



Sandeep Mamgai
DGM - Human Resources





email id: idsp_jaipur1@yahoo.co.in
S. No./IDSP/2019/162

Chief Medical & Health Office, Jaipur
Integrated Disease Surveillance Project

Contract no 0141-2010492
Date 30/12/2019

CERTIFICATE

This is to certify that Shivangi Semalty, Student of M.Sc Epidemiology(Sem-IIIrd) at Himalayan Institute of Medical Sciences, SRHU, Dehradun has successfully completed the training on Field Visit(SMS Medical College, District Hospital, CHC, PHC, Dispensary, SC) from 02nd Dec 2019 to 28th Dec 2019 at Integrated Disease Surveillance Project (IDSP) CM&HO, JAIPUR, RAJASTHAN.


District Surveillance Officer
Chief Medical & Health Officer, Jaipur
Jaipur-I

जुलै १९९९



CERTIFICATE

This is to certify that **Shivangi Semalty**, Student of
M.Sc Epidemiology at Himalayan Institute of Medical
Sciences, SRHU, Dehradun has successfully
completed the training on

.....Nutritional Epidemiology.....

.....
from 13th May 2019 to 18th May 2019 at Post Graduate
Institute of Medical Education & Research,
Chandigarh.

Date:18/05/19.....

Place:PGIMER, Chandigarh.....

P. Manu
Name & Signature
Assistant Professor
18/5/2019
School of Public Health
PGIMER, Chandigarh

Training In-Charge
PGIMER, Chandigarh

[Signature]





VARUN ARJUN MEDICAL COLLEGE & ROHILKHAND HOSPITAL,

NH – 24, Banthra, Distt Shahjahanpur (U.P.) Pin 242307

Website:- www.varunarjunmedicalcollege.com, Email ID : varunarjuntrust@gmail.com

Direct: 05842-276505 Reception: 05842-276500, 276501, 276502 Fax:- 0581-2303345.

Ref. No. VAMC&RH/1917 /2022

Date: 22.06.2022

INTERNSHIP COMPLETION CERTIFICATE

This is to certify that Ms. Inderpreet Kaur pursuing Master of Hospital Administration from Swami Rama Himalayan University, Dehradun, Uttarakhand Successfully completed 04 months (09 February, 2022 to 09 June, 2022) internship in Varun Arjun Medical College & Rohilkhand Hospital, NH- 24, Banthra, Shahjahanpur (U.P.). During her internship she worked in following departments.

- Reception and Billing.
- Pharmacy & CDS.
- OPD & Central Lab.
- Casualty & ICU.
- Security & Transport.
- Canteen & Mess.
- Marketing & HR.
- MRD & Accounts.

During her period of internship she was found to be punctual and her work conduct was good. We wish her all the best for her upcoming career.



**Prof. (Col.) A K Shukla
Dean & Principal**






F.No. A-33012/5/2007-Acad.
Dated: 30/06/2022

TO WHOM SO EVER IT MAY CONCERN

This is to certify that **Mr. Akash Krishali**, currently enrolled in the M.Sc. Epidemiology, student from Swami Rama Himalayan University, has completed his Summer Training/ Internship programme on the Dissertation Project entitled – **"Musculoskeletal Disorders among staff members working in NIHF, New Delhi"** at The National Institute of Health and Family Welfare, New Delhi from 1st May, 2022 to 30th June, 2022 under the guidance of **Prof. Sanjay Gupta**.

His conduct during the Summer Training Programme was good and I wish his a bright career ahead.


Dr. Vikas Tewari
Dean of Studies
The National Institute of Health and Family Welfare
Okhla, New Delhi-110 027





स्वामी राम हिमालयन विश्वविद्यालय
Swami Rama Himalayan University

1.1.3- Provide a description of courses with focus on competency/ employability/ entrepreneurship/ skill-development offered either by the University or in collaboration with partner Institutions / Industries during the last five years

1.1.3.2- MOUs with Institutions / Industries for offering these courses

Swami Rama Himalayan University
Swami Ram Nagar, Jolly Grant, Dehradun, Uttarakhand, 248016, INDIA
<https://www.srhu.edu.in>



1.1.3.2- MOUs with Institutions / Industries for offering these courses

S. No.	Organization/Institution Name	Valid	
		From	To
1	Lisbon Academic Medical Centre - North Lisbon University Hospital Centre, Lisbon, Portugal, Graduate School of Medicine and Faculty of Medicine Kyoto University, Kyoto, Japan Advanced Centre for Treatment, Research and Education in Cancer (ACTREC), Tata Memorial Centre, Mumbai, India and Rajiv Gandhi Cancer Institute and Research Centre (RGCIRC), New Delhi, India	05.07.2022	04.07.2027
2	Central Institute of Medicinal and Aromatic Plants, Lucknow	12.05.2022	11.05.2027
3	Perdana University, Kuala Lumpur, Malaysia	01.02.2022	31.01.2025
4	IBM India Pvt. Ltd.	15.12.2020	14.12.2024
		13.05.2017	2019
5	Indian Institute of Technology, Roorkee	27.05.2022	26.06.2027
		23.03.2018	22.03.2023
6	Wipro GE Healthcare Pvt. Ltd.	06.05.2022	05.05.2025
7	Danish Vocational Education Institutions, Denmark	30.07.2018	30.07.2020
		16.07.2021	15.07.2023
8	Sanjay Gandhi PG Institute of Medical Science, Lucknow	18.09.2021	Till date
9	Mahatma Gandhi National Council of Rural Education, Department of Higher Education, Government of India	21.10.2020	20.10.2025
10	Om Institute of Logistics and Supply Chain Management India Pvt. Ltd.	16.08.2019	15.08.2022
11	AIIMS, Rishikesh	04.04.2018	03.04.2028
12	Pranab Mukherjee Foundation, New Delhi	15.03.2018	14.03.2020
13	Uttarakhand Space Application Centre (USAC)	25.05.2017	26.05.2020



Handwritten signature





CHRISTIAN MEDICAL COLLEGE VELLORE
QUALITY MANAGEMENT CELL



Dr. J. V. Peter
Director

Dr. Binila Chacko
Dy. Director (Quality)

Dr. Lallu Joseph
Quality Manager & Assoc. GS

09/06/2022

TO WHOMSOEVER IT MAY CONCERN

This is to certify that **Ms. SANGEETA BIJLWAN**, pursuing Masters of Hospital Administration, Swami Rama Himalayan University, Dehradun, Uttarakhand successfully completed 4 months (07/02/2022 to 09/06/2022) internship and dissertation in Quality Management Cell of Christian Medical College Vellore. She completed her dissertation on the topic "*A Study on Inventory management practices of CSSD in a tertiary care teaching hospital Vellore, Tamil Nadu*". She was also involved in various activities of the department like,

- Audits (Chart documentation, audit on availability of name boards in MCTT & MRO counters, audit on adherence to ICU ambulance requirements, compliance to documentation during patient transfer in wards, waiting time audits – Pharmacy, Endoscopy and Blood Bank).
- Patients feedback in OPD
- In-patient feedback collection - telephonic
- Mock drills – Code Red (Fire) and Code Pink (Child Abduction).
- Quality & Safety rounds.
- Fire & Safety rounds.

During her period of internship with us, she was found to be punctual, hardworking and willing to learn.

We wish her every success in her life and career.

Dr. Lallu Joseph
Quality Manager & Assoc. GS



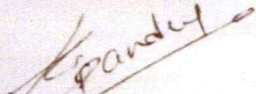
Date: 27th July 2019

To Whom It May Concern

This is to certify that Mr. Abhijeet Chandel S/o Mr. Subhash Chandel, student of Swami Rama Himalayan University Jollygrant has successfully completed his project training with our organization from 1st June 2019 to 15th July 2019. During summer Internship his behavior and performance was good.

We wish him success in all his future Endeavour's.

Authorised Signatory


Karvy Stock Broking Ltd

Karvy Stock Broking Ltd.
48/49, Patil Market,
Opp. Punjab Jewellers,
Rajpur Road, Dehradun
Tel.: 0135-6544509-15



Karvy Stock Broking Limited
Registered Office: 'Karvy House', 46, Avenue 4, Street No.1, Banjara Hills, Hyderabad - 500 034.
T: +91-40-23312454 | F: +91-40-23311968 | www.karvy.com

Members of: National Stock Exchange of India Ltd., SEBI Registration No.: NSE: INB/INF/INE 230770138; BSE: INB 010770131; MCX-SX: INE 260770138;


TRAINING COMPLETION CERTIFICATE FROM THE ORGANIZATION

BIG BAZAAR

The City Junction Mall,
Isbt Complex,
Clamentown, Haridwar
Rd

TO WHOMSOEVER IT MAY CONCERN

This is to certify that **MS PRERNA PAL** has successfully completed his training 4 weeks on the job training in **RECRUITMENT** during the period from 15 June 2021 to 26 July 2021 in this as a part fulfillment of his course. During this period we found **PRERNA PAL** sincere and hardworking. We wish his/her best wishes for his future and his career.


NALIN BHATT
Store Manager
Big Bazaar, ISBT, Dehradun





INDIA GLYCOLS LIMITED
(WHO GMP CERTIFIED COMPANY)



Halal Certified



Kosher Certified



ISO 9001 : 2015
ISO 22000 : 2005
HACCP

Works :- Plot No. 2 - 5, Pharmacy, Selaqui, 248197, Dehradun (Uttarakhand) INDIA, Telephone : +91 135 2698620, Fax : +91 135 2698939
Email : ennature@indiaglycols.com, Website : www.indiaglycols.com, CIN : L24111UR1983PLC009097

IGL/DDN/HRD/2021

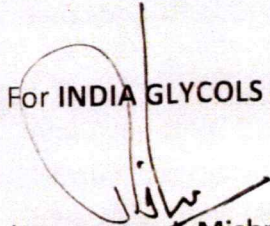
30th September, 2021

TO WHOM SO-EVER IT MAY CONCERN

This is to certify that **Ms. Rachana Aswal D/O Sh. Bhagat Singh Aswal**, Himalayan School of Management studies, Swami Rama Himalayan University pursuing MBA(Finance) , Has undergone industrial training in Finance Department in our organization from **16.08.2021** to **30.09.2021**.

We found her sincere & hard working

For **INDIA GLYCOLS LIMITED**


(Swatantresh Mishra)
Sr. Manager-HR & A



Head Office: Plot No. 2-B, Sector- 126, NOIDA- 201304, District Gautam Budh Nagar, Uttar Pradesh, Tel : +91 120 3090100, 3090200,
Fax : +91 120 3090111, 3090211, E-mail : ennature@indiaglycols.com, Website: www.indiaglycols.com

Regd. Office: A-1, Industrial Area, Bazpur Road, Udham Singh Nagar, Kashipur - 244713, (Uttarakhand), INDIA
Phone : +91 5947 269000, 269500 Fax : +91 5947 275315, 269535

Dated: 09 June 2023

TO WHOMSOEVER IT MAY CONCERN

This is to certify that **Ms. Tanya Verma** from **Swami Rama Himalayan University, Jollygrant, Dehradun**, has successfully completed Internship in the department of **Quality & Systems** with Jaypee Healthcare Limited from **09.02.2023** to **09.06.2023**.

She was found sincere and hard working during this tenure.

We wish her all the best for his future endeavours.

For Jaypee Healthcare Limited


Authorized Signatory
Human Resources

