



UNIVERSITY OF MYSORE
Yuvaraja's College (Autonomous)

(A Constituent Autonomous College with Potential for Excellence)
(Accredited B⁺⁺ Grade by NAAC with 2.81 CGPA)
JLB Road, Mysuru 570 005, Karnataka , INDIA



AQAR 2022-23

3	Research, Innovation and Extension
3.7	Collaboration
3.7.1: Link document for the Data Template	Details of collaborative activities for research, faculty exchange, student exchange, internship, on-the-job training, project work, etc. during the year

Merged Document details as given in excel sheet 3.7.1	Pages below
1.X sem Project-Mol bio	2-21
2.Certificate Mol Bio 1-5	22-27
3.Letter Mol bio 1-2	28-29
4.Certificate Physics	30
5.Letter Physics	31
6.Collaboration letter	32

Merged documents are given below: from Page 2



Indian Institute of Science
Centre for BioSystems Science and Engineering



BSSE, Third Floor, Biological Sciences Building, Indian Institute of Science, Bengaluru,
560012, India

+91 8022933709

medhavi@iisc.ac.in

CERTIFICATE BY THE GUIDE

This is to certify that the project entitled "**Competitive Cellular Interactions Dictate Epithelial Defence Against Cancer (EDAC) in Breast Cancer**", is a bonafide research work carried out by **Mr. Akshar A**, for partial fulfilment for the award of M.Sc. in Molecular Biology (Five years Integrated) degree of the University of Mysore is based on the studies carried out by him during the period from May - August 2023, under my guidance and supervision. It is further certified that this dissertation / or any other part thereof has not been submitted elsewhere for any other degree.

Date: 8th September 2023

Place: Indian Institute of Science, Bangalore

Medhavi Vishwakarma

Medhavi Vishwakarma
Assistant Professor
Centre for Biosystems Science and Engineering
Indian Institute of Science
Bengaluru, India 560012



Jawaharlal Nehru Center for Advanced Scientific Research

(Autonomous Body under the Department of Science & Technology, Government of India)

Jakkur Campus, Jakkur Post

Bengaluru 560 064, INDIA

Email: sheeba@jncastr.ac.in

Office Tel: +91 (80) 2208 2924

Office Fax: +91 (80) 22082766

+91 (80) 2208 2767

CERTIFICATE

This is to certify that the project entitled ***Drosophila melanogaster*** **neuromuscular junction as a model to study presynaptic autophagy** submitted by Ms. ANANYA M, in partial fulfillment for the award of M.Sc. in Molecular Biology (Five years Integrated) Degree of the University of Mysore, is based on the studies carried out by her under my guidance and supervision. It is further certified that this dissertation/any other part thereof has not been submitted elsewhere for any further degree.

Place: Bengaluru

Date: 05-09-2023

(Prof. Ravi Manjithaya)

Project Guide

Molecular Biology & Genetics Unit
Jawaharlal Nehru Centre for
Advanced Scientific Research
Jakkur P.O., Bangalore-560 064



www.ibab.ac.in

Biotech Park, Electronic
City Phase I Bengaluru -
560100

Date: 06th Sep 2023

CERTIFICATE

This is to certify that **Mr. Dinakar HL** has carried out the project work entitled “**Establishing secretion of recombinant proteins in E. coli using a novel peptide**” under my supervision and guidance for a period of three months (May 2023 – August 2023). I recommend this dissertation for submission towards obtaining the Degree of M.Sc. in Molecular Biology (Five years Integrated) from the Department of Molecular Biology, of the University of Mysore.

Sanjay Ghosh

Dr. Sanjay Ghosh

Senior Assistant Professor

Institute of Bioinformatics & Applied Biotechnology

Electronic City Phase 1, 560100





Certificate

This is to certify that the project 'Identifying interactors of Rad53 kinase in an *in vivo* condition using Co-immunoprecipitation' submitted by **Eepsitha**, in partial fulfilment for the award of M.Sc. in Molecular Biology (Five years Integrated) Degree of University of Mysore, is based on the studies carried out by her under my guidance and supervision. It is further certified that this dissertation / any other part thereof has not been submitted elsewhere for any other degree. This work is the property of inStem, and cannot be reproduced in part or in full elsewhere without prior permission.

Place: *Bengaluru*

Date: *5/9/2023*

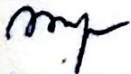
(Dr. Sunil Laxman)

Project Guide

मूल कोशिका विज्ञान एवं पुनर्योजी औषधि संस्थान (डीबीटी-इन्स्टेम)
Institute for Stem Cell Science and Regenerative
Medicine (DBT - inStem)
जैव प्रौद्योगिकी विभाग, विज्ञान एवं प्रौद्योगिकी, भारत सरकार के प्रधान स्वास्थ्य संस्थान
(AI under Department of Biotechnology, MoST, Govt. of India)
जैकेवीके परिसर, बेहारी रोड / GKVK Campus, Ballary Road
बैंगलुरु-560 065 / Bengaluru 560 065

5 Sep 2023

This is to certify that the project '**Investigating the role of beetle-secreted quinones on their associated bacterial isolates**' submitted by **Harshith K G**, in partial fulfilment for the award of M.Sc. in Molecular Biology (five years integrated) Degree of the University of Mysore, is based on studies carried out by him under my guidance and supervision. It is certified that this dissertation/any other part thereof has not been submitted elsewhere for any other degree.

A handwritten signature in black ink, appearing to read 'Deepa', is written above the printed name.

Dr. Deepa Agashe

Associate Professor

Wellcome Trust/DBT India Alliance Fellow

National Centre for Biological Sciences (NCBS)
Tata Institute of Fundamental Research (TIFR)
GKVK, Bellary Road,
Bangalore 560065, India

Email: dagashe@ncbs.res.in
Telephone: +91 80 2366 6524
Web: <http://ncbs.res.in/dagashe>
www.adaptationlab.in



**CENTRE FOR NEUROSCIENCE
INDIAN INSTITUTE OF SCIENCE**

KAVITA BABU
ASSOCIATE PROFESSOR
EMAIL: kavitababu@isc.ac.in

TEL: +91 80 2293 2062
FAX: +91 80 2360 3323
<http://www.cns.iisc.ac.in/kavita/>

CERTIFICATE

This is to certify that the project entitled “**Analysis of the food-evoked locomotory changes in the Calsyntenin mutants of *Caenorhabditis elegans***”, is a bonafide research work carried out by **Ms. Inchara Muralidhara**, in partial fulfilment for the award of M.Sc. in Molecular Biology (Five years Integrated) degree of the University of Mysore is based on the studies carried out by her during the period from May - August 2023, under my guidance and supervision. It is further certified that this dissertation / or any other part thereof has not been submitted elsewhere for any other degree.

Date: 30 August 2023

Place: Bengaluru

Dr. Kavita Babu



UNIVERSITY OF HYDERABAD
School of Life Sciences
Prof. C.R. Rao Road, South Campus
Gachibowli, Hyderabad – 500 046

Prof. Krishnaveni Mishra
Department of Biochemistry

Tel: 040-23134544
Email: krishnaveni@uohyd.ac.in

CERTIFICATE

This is to certify that the project entitled “Investigating the role of transcription termination complex (Rtt103-Rail-Rat1) in genomic stability” submitted by Mr. Jayarajashakara T S in partial fulfilment for the award of M.Sc. in Molecular Biology (Integrated) Degree of University of Mysore is based on the studies carried out by him under my guidance and supervision at the Department of Biochemistry, University of Hyderabad. It is further certified that this dissertation or any other part thereof has not been submitted elsewhere for any other degree.

Krishnaveni Mishra

Prof. Krishnaveni Mishra
Department of Biochemistry
School of Life Sciences
University of Hyderabad
Hyderabad-500046



भारतीय विज्ञान शिक्षा एवं अनुसंधान संस्थान बरहमपुर
Indian Institute of Science Education and Research Berhampur
Established by the Ministry of Education, Govt. of India

Certificate

This is to certify that Ms. Jayashree EV, a student of Yuvaraja's College, Mysuru has done her masters dissertation project under my supervision at the Department of Biological Sciences, Indian Institute of Science Education and Research Berhampur, Berhampur, Odisha. The title of her project is "Development of FRET based sensor for human Tmprss2".

Place: Berhampur, Odisha

Date: 05.09.2023

Vinay Bulusu, PhD
Assistant Professor
Biological Sciences
IISER Berhampur



JNCASR

जवाहरलाल नेहरू उन्नत वैज्ञानिक अनुसंधान केंद्र

जकूर पोस्ट, बेंगलूरु - 560064, कर्नाटक, भारत

विज्ञान एवं प्रौद्योगिकी विभाग, भारत सरकार के अधीन एक स्वायत्त संस्थान
सम विश्वविद्यालय संस्था

Jawaharlal Nehru Centre For Advanced Scientific Research

Jakkur P.O., Bengaluru - 560064, Karnataka, INDIA

An autonomous institution under Department of Science and Technology, Govt. of India.
An Institution Deemed-to-be-University



Certificate

This is to certify that the project entitled '**Delineating the role of Topoisomerase 1 in innate immunity**' submitted by **Ms. Likitha Umesh Kanagal** in partial fulfilment for the award of M.Sc. in Molecular Biology (Five years Integrated) degree of University of Mysore is based on the studies carried out by her under my guidance and supervision during 22nd May -31st August 2023. It is further certified that this dissertation/any other part thereof has not been submitted elsewhere for any other degree.

Place: Bangalore

Date: 5th Sept 2023

Dr. Kushagra Bansal
Project guide

Molecular Biology & Genetics Unit
Jawaharlal Nehru Centre for
Advanced Scientific Research
Jakkur P.O., Bangalore-560 064

Kushagra Bansal, PhD
Faculty Fellow
Molecular Biology & Genetics Unit (MBGU)
Phone: +91-80-2208 2926
Email: bansalk@jncasr.ac.in



NATIONAL INSTITUTE OF MENTAL HEALTH AND NEURO SCIENCES
(Institute of National Importance, under Ministry of Health and Family Welfare, Govt. of India)
Hosur Road, Bengaluru - 560 029

CERTIFICATE

This is to certify that the project entitled “Allelic Distribution of GAA Repeat Expansion of the FGF14 Gene in the Indian Population”, submitted by **Mr. PANNAGA PRASAD G**, in partial fulfilment for the award of M.Sc. in Molecular Biology (Five years Integrated) Degree of the University of Mysore, is based on the studies carried out by him under my guidance and supervision. It is further certified that this dissertation/or any other part thereof has not been submitted elsewhere for any other degree.

Place: Bengaluru

Date: 13/09/2023

Meera Purushottam

(Dr. Meera Purushottam)

Project Guide

Dr. Meera Purushottam
Senior Scientific Officer
Molecular Genetics Laboratory
Department of Psychiatry
NIMHANS, Bengaluru - 29.



Jawaharlal Nehru Center for Advanced Scientific Research

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Email: sheeba@jncastr.ac.in

Office Tel: +91 (80) 2208 2924

Office Fax: +91 (80) 22082766

+91 (80) 2208 2767

CERTIFICATE

This is to certify that the project entitled '**Studying the effects of temperature cycles in fly chronotype populations**' submitted by **Ms. PRAKRUTHI U N**, in partial fulfillment for the award of M.Sc. in Molecular Biology (Five years Integrated) Degree of the University of Mysore, is based on the studies carried out by her under my guidance and supervision. It is further certified that this dissertation / any other part thereof has not been submitted elsewhere for any other degree.

Place: Bengaluru

Date: 04/09/23

(Prof. Sheeba Vasu)

Project Guide

Neuroscience Unit
Jawaharlal Nehru Centre for
Advanced Scientific Research
Jakkur P. O., Bengaluru - 560 064



Dept of Animal Biology

School of Life Sciences

University of Hyderabad

(A Central University established in 1974 by an act of parliament)

Date: 01-09-2023

CERTIFICATE

This is to certify that **Miss. Prithvi Hegde** has carried out the project work entitled “**Cloning, Expression and In-vivo Characterization of Ubiquitin Mutants for DUBs activity**” under my supervision and guidance for a period of three months (May 2023 – August 2023). I recommend this dissertation for submission towards obtaining the Degree of M.Sc. in Molecular Biology (Five years Integrated) from the Department of Molecular Biology, of the University of Mysore.

Parul Mishra 1/9/2023
Dr. Parul Mishra

Assistant Professor

Department of Animal Biology

School of Life Sciences

University of Hyderabad



Department of Animal Biology

School of Life Sciences

University of Hyderabad

(A Central University established in 1974 by the Act of Parliament)

Hyderabad 500046,

CERTIFICATE

This is to certify that **Ms Rakshita N** has carried out the project work embodied in the present dissertation entitled "Developing a Model System for E2A Live Cell Imaging in partial fulfilment for the award of M.Sc. in Molecular Biology (Five years Integrated) degree of University of Mysore is based on the studies carried out by her under my guidance and supervision from 15th May -31st August 2023. It is further certified that this dissertation/any other part thereof has not been submitted elsewhere for any other degree.

Place: Hyderabad

Date: 09/09/2023

Prof. Jagan Pongubala

(Project guide)
Dr. Jagan Pongubala
Professor
Department of Animal Biology
School of Life Sciences
University of Hyderabad
P.O. Central University, Gachibowli,
Hyderabad-500 046. T.S. INDIA.

5 Sep 2023

This is to certify that the project '**Exploring Mutation Bias and Pleiotropy: Implications for Adaptation in Diverse Environments and Antibiotic Resistance**' submitted by **Ruchith BK**, in partial fulfilment for the award of M.Sc. in Molecular Biology (five years integrated) Degree of the University of Mysore, is based on studies carried out by him under my guidance and supervision. It is certified that this dissertation/any other part thereof has not been submitted elsewhere for any other degree.

A handwritten signature in black ink, appearing to read 'Deepa', is positioned above the printed name.

Dr. Deepa Agashe

Associate Professor

Wellcome Trust/DBT India Alliance Fellow

National Centre for Biological Sciences (NCBS)
Tata Institute of Fundamental Research (TIFR)
GKVK, Bellary Road,
Bangalore 560065, India

Email: dagashe@ncbs.res.in
Telephone: +91 80 2366 6524
Web: <http://ncbs.res.in/dagashe>
www.adaptationlab.in



CERTIFICATE

This is to certify that the project entitled "**Functional assessment of metabolic activity in mitochondrial derived vesicles in rat liver**" submitted by Ms. **Sharanya Bhargav** in partial fulfilment for the award of M.Sc. in Molecular Biology (Integrated) Degree of University of Mysore is based on the studies carried out by her under my guidance and supervision. It is further certified that this dissertation / any other part thereof has not been submitted elsewhere for any other degree.

S. V. Naresh Babu
(Prof. Naresh Babu V Sepuri)
Guide

प्रो. नरेश बाबु वी. शंपूरी
Prof. NARESH BABU V. SEPURI
अध्यक्ष / Head
जीवरसायनविभाग / Department of Biochemistry
जीवविज्ञान संकाय / School of Life Sciences
हैदराबाद विश्वविद्यालय / University of Hyderabad
हैदराबाद / Hyderabad-500046. INDIA

CERTIFICATE

This is to certify that the Project entitle “**BIOINFORMATIC ANALYSIS AND TNF PROTEIN EXPRESSION OF WENGEN FROM *Anopheles stephensi***” submitted by Ms. K TRUPTI in partial fulfillment for the award of M.Sc., in Molecular Biology (5years Integrated) Degree of University of Mysore is based on the studies carried out by her under my guidance and supervision. It is further certified that this dissertation / any other part thereof has not been submitted elsewhere for any other degree.

Place: Bangalore

Date: 05/09/2023



Prof. Bibha Choudhary





UNIVERSITY OF MYSORE



Yuvaraja's College (Autonomous)
Mysore – 570 005
DEPARTMENT OF MOLECULAR BIOLOGY

Effect of Quercetin treatment on
O-GlcNAcylation of kidney in Diabetic animals

By,

Ms. Vidya M.B

Reg. No: YMB18218

Yuvaraja's College, University of Mysore

Dissertation submitted to

Yuvaraja's College, University of Mysore

In partial fulfilment of the requirements

For the degree of

MASTER OF SCIENCE

in

MOLECULAR BIOLOGY



Under the guidance of

Dr. Nandini C.D.

Senior Principal Scientist


Department of Molecular Nutrition

CSIR-Central Food Technological Research Institute

Mysuru-570020 August -2023

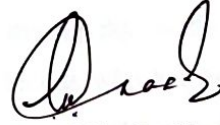
CERTIFICATE

This is to certify that the thesis entitled "Effect of Quercetin treatment on O-GlcNAcylation of kidney in Diabetic animals" submitted by Ms. Vidya M.B towards the partial fulfilment of the requirements for the award of the degree of Master of Science in Molecular Biology, Yuvaraja's college, University of Mysore, is a bonafide work carried out by her under my supervision, as per the CSIR-CFTRI code of academic and research ethics, during the period from May 2023 to September 2023. The contents of this report have not been submitted and will not be submitted either in part or in full, for the award of any degree or diploma in this institute or any other institute or university and in my opinion, meets the necessary standards for submission.



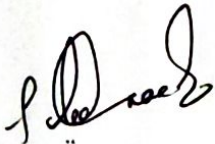
06/09/23

Signature of the Guide
Dr. Nandini C.D.
Senior Principal Scientist
Department of Molecular Nutrition
CSIR-CFTRI
Mysuru-570020



06/09/23

Signature of Co-Ordinator, DMN
Dr. Nandini C.D.
Senior Principal Scientist
Department of Molecular Nutrition
CSIR-CFTRI
Mysuru-570020



06/09/23

Signature of the HOD, DMN
Dr. Sridevi Annapurna Singh
Chief Scientist
Department of Molecular Nutrition
CSIR-CFTRI
Mysuru- 570020



Signature of the Co-Ordinator
Dr. Pradeep Singh Negi
Chief Scientist
Human Resource Development
CSIR-CFTRI
Mysuru-570020
मुख्य / HEAD
मानव संसाधन विकास विभाग
Human Resource Development
सीएसआईआर-सीएफटीआरआई / CSIR-CFTRI
मैसूरु / Mysuru-570 020



Jawaharlal Nehru Center for Advanced Scientific Research
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Office Tel: +91 (80) 2208 2924
Office Fax: +91 (80) 22082766
+91 (80) 2208 2767

CERTIFICATE

This is to certify that the project entitled '**Characterization of the toxicity of mutant HTT Q50 in *Drosophila* model of HD**' submitted by **Ms. VYSHNAVI SHANKAR**, in partial fulfillment for the award of M.Sc. in Molecular Biology (Five years Integrated) Degree of the University of Mysore, is based on the studies carried out by her under my guidance and supervision. It is further certified that this dissertation/or any other part thereof has not been submitted elsewhere for any other degree.

Place: Bengaluru

Date: 06/09/2023

(Prof. Sheeba Vasu)

Project Guide

Neuroscience Unit
Jawaharlal Nehru Centre for
Advanced Scientific Research
Jakkur P. O., Bengaluru - 560 064




Jawaharlal Nehru Center for Advanced Scientific Research
(Autonomous Body under the Department of Science & Technology, Government of India)
Jakkur Campus, Jakkur Post
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Office Tel: +91 (80) 2208 2924
Office Fax: +91 (80) 22082766
+91 (80) 2208 2767

CERTIFICATE

This is to certify that the project entitled '**Study of reproductive behavior of female *Drosophila melanogaster* in different social environments**' submitted by Ms. YASHASWINI M B, in partial fulfillment for the award of M.Sc. in Molecular Biology (Five years Integrated) Degree of the University of Mysore, is based on the studies carried out by her under my guidance and supervision. It is further certified that this dissertation/or any other part thereof has not been submitted elsewhere for any other degree.

Place: Bengaluru

Date: 06-09-2023


(Prof. Sheeba Vasu)

Project Guide

Neuroscience Unit
Jawaharlal Nehru Centre for
Advanced Scientific Research
Jakkur P. O., Bengaluru - 560 064



*Summer Research Fellowship Programme
Certificate*

*This is to certify that Mr A Akshar worked on a project entitled
"Regulation of autophagy in acute myeloid leukemia cells upon
interaction with osteoblasts in the bone marrow niche" during October
- November 2022 as a Summer Research Fellow under the supervision
of Dr Neeraj Kumar Satija, CSIR-Indian Institute of Toxicology
Research, Lucknow. The Summer Research Fellowship Program is
jointly sponsored by IASc (Bengaluru), INSA (New Delhi) and
NASI (Prayagraj).*



*Place: Bengaluru
Date: 28-08-2023*

*P. K. Das
Chairman, Science Education Panel*

INDIAN ACADEMY OF SCIENCES, C. V. RAMAN AVENUE, POST BOX No. 8005,
RAMAN RESEARCH INSTITUTE CAMPUS, SADASHIVANAGAR P.O.,
BENGALURU 560 080, INDIA



*Summer Research Fellowship Programme
Certificate*

This is to certify that Ms Inchara Muralidhara worked on a project entitled "Understanding how defects in cholinergic signaling at NMJ affects the motor capacity in C. elegans" during October - November 2022 as a Summer Research Fellow under the supervision of Dr Kavita Babu, Indian Institute of Science, Bengaluru. The Summer Research Fellowship Program is jointly sponsored by IASc (Bengaluru), INSA (New Delhi) and NASI (Prayagraj).



*Place: Bengaluru
Date: 28-08-2023*

P. K. Das
P. K. Das
Chairman, Science Education Panel



*Summer Research Fellowship Programme
Certificate*

This is to certify that Ms S Yavanica worked on a project entitled "Purification of Aurora Kinase recombinant protein from Leishmania donovani and evaluation of its immunodiagnostic potential" during October - November 2022 as a Summer Research Fellow under the supervision of Prof. Nahid Ali, Indian Institute of Chemical Biology, Kolkata. The Summer Research Fellowship Program is jointly sponsored by IASc (Bengaluru), INSA (New Delhi) and NASI (Prayagraj).



*Place: Bengaluru
Date: 16-01-2023*

*P. K. Das
Chairman, Science Education Panel*



*Summer Research Fellowship Programme
Certificate*

This is to certify that Ms R Anusha worked on a project entitled "Studies on loss of function effects of MBP using Drosophila melanogaster" during October - November 2022 as a Summer Research Fellow under the supervision of Prof. Ashim Mukherjee, Banaras Hindu University, Varanasi. The Summer Research Fellowship Program is jointly sponsored by IASc (Bengaluru), INSA (New Delhi) and NASI (Prayagraj).



Place: Bengaluru

Date: 19-01-2023

P. K. Das

Chairman, Science Education Panel

INDIAN ACADEMY OF SCIENCES, C. V. RAMAN AVENUE, POST BOX No. 8005,
RAMAN RESEARCH INSTITUTE CAMPUS, SADASHIVANAGAR P.O.,
BENGALURU 560 080, INDIA



CERTIFICATE OF COMPLETION

PROUDLY PRESENTED TO

Abhay M Baadkar

Abhay M Baadkar, was a selected participant for the Sci-ROI@India's ReAct (Research Activation): Building Opportunities for the Future STEM Scientists in India program. He/She has successfully completed the 6 month online mentorship program that included dedicated mentoring sessions and live classes on on topics relevant to research initiation.

Over these 6 months, he/she went through rigorous training on fundamentals of scientific research and communication with his/her mentor, Dr. Atul Gopal.

Anushila Chatterjee

Dr. Anushila Chatterjee
Director, ReAct 2022

Manali Ghosh

Dr. Manali Ghosh
Co-Director, ReAct 2022

Naveeda Qadir

Naveeda Qadir
Executive Director, WSF





होमी भाभा विज्ञान शिक्षा केंद्र
HOMI BHABHA CENTRE FOR SCIENCE EDUCATION
टाटा मूलभूत अनुसंधान संस्थान
TATA INSTITUTE OF FUNDAMENTAL RESEARCH

भारत सरकार का नाभिकीय विज्ञान एवं गणित का राष्ट्रीय केंद्र एवं समविश्वविद्यालय

*National Centre of the Government of India for Nuclear
Science and Mathematics and a Deemed University*

वी. एन. पुरव मार्ग, मानखुर्द, मुंबई-४०००८८.

V. N. Purav Marg, Mankhurd, Mumbai-400088.

दूरभाष / Telephone : 022-2507 2100 / 2558 0036 / 2556 7711

वेबसाइट / Website : www.hbcse.tifr.res.in

To,
Darshini. M. B
K Mathighatta post, Kadaba hobali,
Gubbi thalluk, Tumkur Dist, Karnataka, 572220

27th September, 2022

Dear Student,

This is in connection with the National Initiative on Undergraduate Science (NIUS) program in Biology. As you are aware, the selection camp for this program will be held during 31st October – 07th November, 2022. We have received your application for the same and you have been selected to attend this camp. The camp will begin at 9:30 am on 31st October, 2022 and end at 5:00 pm on 07th November, 2022. Details of the venue for the camp are as follows:

The Biology Olympiad Lab,
First Floor, Olympiad Block, Homi Bhabha Centre for Science Education (HBCSE).
V. N. Purav Marg, Mankhurd. Mumbai – 400 088.

This camp will involve enrichment lectures and experiments in various areas of biology. You are requested to bring along a lab coat. Kindly confirm your participation in the camp by sending an email to the following id:

niusbio@hbcse.tifr.res.in

Food arrangements during the camp will be made by HBCSE. Outstation students will be entitled to travel by train (III tier AC). You will have to submit your original onward journey ticket and the xerox copy of your return journey ticket for this purpose. The outstation students will be provided with hostel accommodation within the campus from 30th October, 2022 till 08th November, 2022.

Thanking you.

Yours sincerely,


BIOLOGY OLYMPIAD CELL
HBCSE (TIFR)

Prof. Rekha Vartak
In-charge,
Biology Olympiad Cell.



होमी भाभा विज्ञान शिक्षा केंद्र
HOMI BHABHA CENTRE FOR SCIENCE EDUCATION
टाटा मूलभूत अनुसंधान संस्थान
TATA INSTITUTE OF FUNDAMENTAL RESEARCH

भारत सरकार का नाभिकीय विज्ञान एवं गणित का राष्ट्रीय केंद्र एवं समविश्वविद्यालय
*National Centre of the Government of India for Nuclear
Science and Mathematics and a Deemed University*

वी. एन. पुरव मार्ग, मानखुर्द, मुंबई-४०००८८.

V. N. Purav Marg, Mankhurd, Mumbai-400088.

दूरभाष / Telephone : 022-2507 2100 / 2558 0036 / 2556 7711

वेबसाइट / Website : www.hbcse.tifr.res.in

To,
Abhay Mahesh Baadkar
'Shri Parijata', Shanti nagar,
2nd cross Hubli road, Sirsi
Karnataka 581402

14th November, 2022

Dear Student,

This is in connection with the NIUS (Biology) camp conducted at HBCSE from 31st October till 07th November, 2022. Based on your performance during the camp, you have been selected to continue on a project under NIUS. You have been assigned Prof. Kauresh Vachharajani, M.S. University of Baroda as your mentor for the project.

You are required to send a mail regarding your consent to:
niusbio@hbcse.tifr.res.in and kauresh@gmail.com

The next camp at HBCSE wherein you will begin working on your project will be either during December winter vacation or April to mid-May 2023 ie during your summer vacations. You will have to decide on the date to arrive at HBCSE after consultation with your mentor so that it is convenient for him to meet you during that time. Additionally, you are required to inform us regarding the dates of your vacation periods as well as arrival and departure dates at your earliest.

Outstation students will be entitled to travel by train (III tier AC) and will be provided with hostel accommodation within the campus.

Congratulations on being selected to carry out a project and wish you all the best for your future course of work.

With best wishes,

Prof. Rekha Vartak,
Incharge, Biology Olympiad Cell.

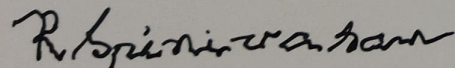


SCIENCE ACADEMIES' REFRESHER COURSE IN EXPERIMENTAL PHYSICS


December 7 - 22, 2022

Venue: Fellows Residency, Indian Academy of Sciences, Jalahalli, Bengaluru

This is to certify Dr/Mr/Ms Pratima Bhat
of Yuvaraja's College, Mysore has
participated and successfully completed all the experiments in the **Refresher Course in
Experimental Physics** organized by the Department of Physics, Maharani Lakshmi Ammanni
College for Women Autonomous, Malleswaram, Bengaluru funded by Science Academies'.


Prof. R SRINIVASAN

Course Director


Asst Prof. AKSHAY S

Course Coordinator

Report on the "Refresher Course on Experimental Physics"

Course Director: Dr.R.Srinivasan.

Date: Dec 7th to 22nd 2023.

Organised by: Department of Physics, Maharani Lakshmi Ammanni College of Women, Bengaluru.

Held at: Indian Academy of Sciences Fellows Residency, Bengaluru.

The programme was inaugurated at Maharani Lakshmi Ammanni College on Dec 7th, in the presence of all the dignitaries. On the first day we had two sessions, the lectures were given by Dr. Ramesh, Prof. Sarmistha Sahu, Dr.Manish and Dr. Srinivasan.

Initially, we had only lectures in the morning and afternoon session followed by coffee break and Lunch break. We had an excellent Laboratory, Lecture hall and room for accommodation in the same building. They took care of our food and stay, which helped us to focus completely on learning experiments.

Later on, we had an experiment session in the morning and Lectures by various Professors and Scientists across the country on new research topics and new areas of research were discussed. We got exposure to new fields of study and new possibilities in physics. We got hands-on experience in 15 experiments, Resistance Measurement techniques, Piezo Electricity constants of PZT and PVDF, Lock in amplifier, Viscosity by Stoke's law etc to name a few. We performed the experiments, did calculations and took note of the way the experiments were designed.

The participants mostly were Professor's, Research Scholars, M.Sc graduates and only five B.Sc students including us. We had great time learning physics, knowing the theory behind experiments, Interacting with Scientists and Professor's, it was a wonderful experience.



Report by:
Likhitha.A
Final year B.sc

Pratima Ganapati Bhat
Final year B.sc



INDIAN INSTITUTE OF SCIENCE
DEPARTMENT OF BIOCHEMISTRY
BANGALORE – 560 012, INDIA

Sathees C. Raghavan, PhD, FASc, FNASc
Professor

Tel :91-80-2293 2674
sathees@iisc.ac.in
scraghavan2006@gmail.com

19.1.2023

From,
Prof. Sathees C Raghavan
Department of Biochemistry,
Indian Institute of Science, Bengaluru

To,
The principal
Yuvaraja's College (Autonomous)
Mysore.

Sir,

Sub: Establishing Collaboration work with Prof. Devaki N S., Department of
Molecular Biology, Yuvaraja's College, University of Mysore, Mysuru.

Ref: Letter of request for Collaboration from Prof. Devaki N S. No. 598, dated 17,
December 2022

I am very happy to establish collaboration work with Dr. N. S. Devaki, Professor and Course Coordinator, Department of Molecular Biology, Yuvaraja's College, University of Mysore, Mysore for carrying out research investigations of mutual interest. I am willing to extend some research facilities and guidance to her research students in this regard. Currently, under this collaboration I permit Mr. Arun Sharma M, Department of Molecular Biology, Yuvaraja's College, University of Mysore, Mysuru, for continuation of his research work as CSIR-SRF for the completion of his Ph.D. program.

Thanking you,

Yours sincerely,

(Sathees C Raghavan)

Sathees C. Raghavan, Ph.D.
Professor
Department of Biochemistry
Indian Institute of Science
Bangalore - 560 012.