



**SMART INDIA
HACKATHON
2020**

SOFTWARE EDITION

Grand Finale
1st, 2nd & 3rd Aug. 2020

Certificate For **MENTOR**

This Certificate is awarded to

Roopashree S Roopashree S

of team EnigmaD

For Participating as Mentor in

"Smart India Hackathon 2020"



Certificate Uniqid: 9796570


Dr. Anil D. Sahasrabudhe
Chairman, AICTE
Chairman, Organizing Committee,
Smart India Hackathon 2020


Dr. Abhay Jere
CIO, MIC, MHRD
Organizing Committee,
Smart India Hackathon 2020


Dr. Anand Deshpande
Chairman and MD, Persistent Systems
Co-Chairman, Organizing Committee,
Smart India Hackathon 2020


Sh. Amit Khare
Secretary, Higher Education
Ministry of Education
Government of India

Organisers



MHRD



MIC



AICTE



Persistent



Platinum Partner



aws



Partners



DEVNET



KPIT

Communication Partner



Media Partner



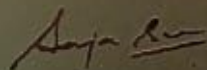
CERTIFICATE
—of Appreciation—

**TI Embedded System Design using
MSP430™ MCU MOOC**

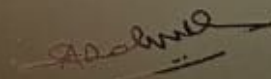
This certificate of appreciation is proudly presented to

Dr S Sivaramakrishnan

**in appreciation for fostering the ecosystem bridging
Government, Academia and Industry!**



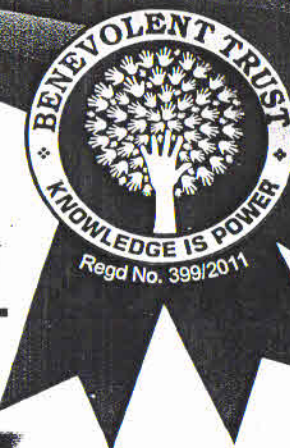
Sanjay Srivastava
Director, University Program
Texas Instruments India



Prof. Anil D. Sahasrabudhe
Head, Chairman AICTE

Puducherry Academic Researchers Academy
(A Unit of Benevolent Trust)

PARA WOMEN AWARDS CEREMONY 2021



CERTIFICATE OF MERIT

In Appreciation and Recognition of Outstanding Contribution in the Field of Teaching, Administration, Arts, Publication, Research and Development and Continued Dedicated Service to the Academic, Peoples and Students Community. We proudly present this certificate to

Dr. SHARMILA JAYAPALAN, Principal
Dayananda Sagar University

Women Researcher Award

CHIEF PATRON

Dr. S. RABIYATHUL BASARIYA

Department of Accounting and Finance,
College of Administration and Economics,
Lebanese French University, Kurdistan Region, Erbil.

PATRON

Dr. G. Helen Ruth Joice,

Asst. Professor
Thiru kollanjiappar Government Arts College,
Vriddhachalam

CONVENOR

Dr. L. VIJAYAKUMAR

Benevolent Trust,
Puducherry.

**IRA
AWARD
2021**



INTERNATIONAL RESEARCH Assoc1AnoN

152-160 CITY ROAD, LONDON EC 1V 2NX,
ENGLAND, UNITED KINGDOM

INDIAN WOEvt1:::f-., J.\.CI-!LE\SR AWARD 2021

This Certificate is proudly presented to



Dr. M. Gnana Ruba Priya

Assistant Professor

Department of Pharmaceutical Chemistry

College of Pharmaceutical Sciences

Dayananda Sagar University, Pool, Karnataka

for her Achievements and Excellent Perform **CIPAL**

in Academics and Research . **College of Pharmaceutical sciences**
Dayananda Sagar University

Kumaraswamy Layout,

;- Bengaluru, 560078.

Confirmation No: 2011/36/13

19/Sep/2021

Date

www.iraaward.com

II

www.iraaward.com
IFO, Mumbai & CEO

SHAVIGE MALLESHWARA HILLS, KUMARASWAMY LAYOUT

BANGALORE, KARNATAKA - 560 078.

(INDIA).

CONGRATULATIONS FROM GLOBAL LEADERS FOUNDATION !!!

Dear Dr. M Vijayakumar,

We are pleased to inform you that, the selection committee of Global Leaders Foundation (GLF) has confirmed your name for the Individual Award Category " Dr. APJ ABDUL KALAM BEST PRINCIPAL PERFORMANCE AWARD - 2022 " for Excellence in Health Care Education, on basis of your excellent performance, splendid achievement and outstanding contribution towards the upliftment and development in your respective field of Physiotherapy in Health Care Education in India.

The Awards Ceremony will be held on 29th May, 2022 (Sunday) at Hotel - Fidalgo, 18th June Road, Panaji, Goa - 403 001 (India), for that you will be informed separately.

Please fill the attached Goa Summit Participation Form and revert it as early as possible to confirm from your side to attend " Global Leadership Summit And AWARDS - 2022 " Goa (India).

Congratulations once again on your Grand Achievement.

With Best Wishes,

RAMESH TRIPATHI

Chairman

GLOBAL LEADERS FOUNDATION



International Institute of Information Technology Bangalore

The Governing Body upon the recommendation of
the Senate of the Institute hereby confers

Prof. Ravi Ravindran Gold Medal

upon

Debanjali Bhattacharya

for Best PhD Thesis given at Bengaluru on the
Third day of July, Two Thousand and Twenty Two.

Chairman / HOD
Computer Science Engg. Dept
Dayananda Sagar University
School of Engineering
Kudlu Gate, Hosur Main Road,
BANGALORE - 560 088

Prof. Debabrata Das
Director

Cmde (Retd.) S R Sridhar
Registrar

S. Gopalakrishnan
Chairman

From: Mukti Chaturvedi
Sent: 06 July 2022 14:12
To: dsulibraryxerox@gmail.com
Subject: Fwd: offer letter of SFRF-2022

Regards,
Mukti Chaturvedi

----- Forwarded message -----

From: **Coordinator Qip Cep** <qipcep.admin@admin.iitd.ac.in>
Date: Sat, 21 May 2022, 16:42
Subject: offer letter of SFRF-2022
To: <cmukti-ece@dsu.edu.in>
Cc: Sheela Koli <ird11172@ird.iitd.ac.in>

Mukti Chaturvedi

Dayananda Sagar University, Innovation Campus, Kudlu Gate, Hosur Road, Bangalore-560068

Dear Faculty Fellow,

Greetings from CEP IIT Delhi!

We are glad to inform you that you have been selected for the Summer Faculty Research Fellow Programme-2022.

Please note as a precautionary measure to curtail the spread of COVID-19, the preferred mode of delivery is online; however, it's up to the discrete of the faculty mentor to opt for the mode of delivery between ONLINE or ON-CAMPUS as per the requirement of course content and feasibility.

You are requested to confirm your acceptance and proposed date of joining at the earliest.

Your Faculty Mentor is **Prof. Abhishek Das, Mechanical Engineering** IIT Delhi, you can contact him/her at e-mail: abhi@mech.iitd.ac.in.

The following must be noted please:

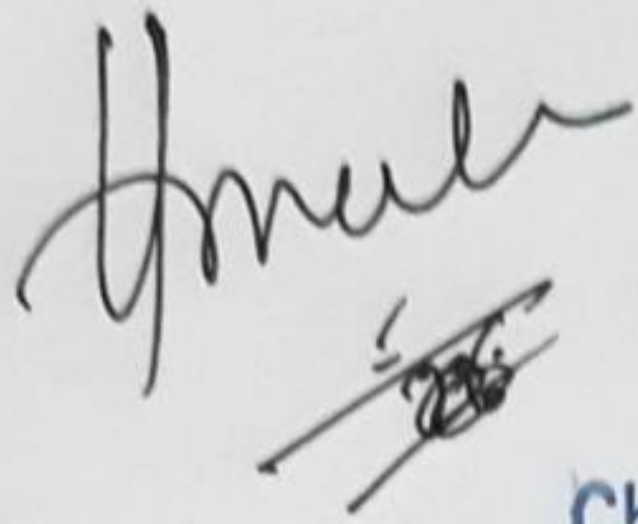
- If you have not shared the No Objection Certificate (in original) yet, your selection will remain PROVISIONAL. You are expected to share the original "No Objection Certificate (NOC)" from your college/institution, at the earliest to the CEP office through Speed Post or Courier Service.
- The duration of the programme is for approximately 6-8 weeks. It is expected that the Faculty Fellow must spend MINIMUM SIX WEEKS during June – July 2022.
- CEP unit will issue participation certificates to you after getting a satisfactory report from the IIT Delhi faculty mentor.
- In case, if the mentor allowed you to complete the programme in CAMPUS, Hostel Accommodation with basic facilities will be arranged on a payment basis.

- No TA/DA will be provided by CEP office, IIT Delhi.

Best wishes for the knowledgeable and fruitful SFRF-2022.

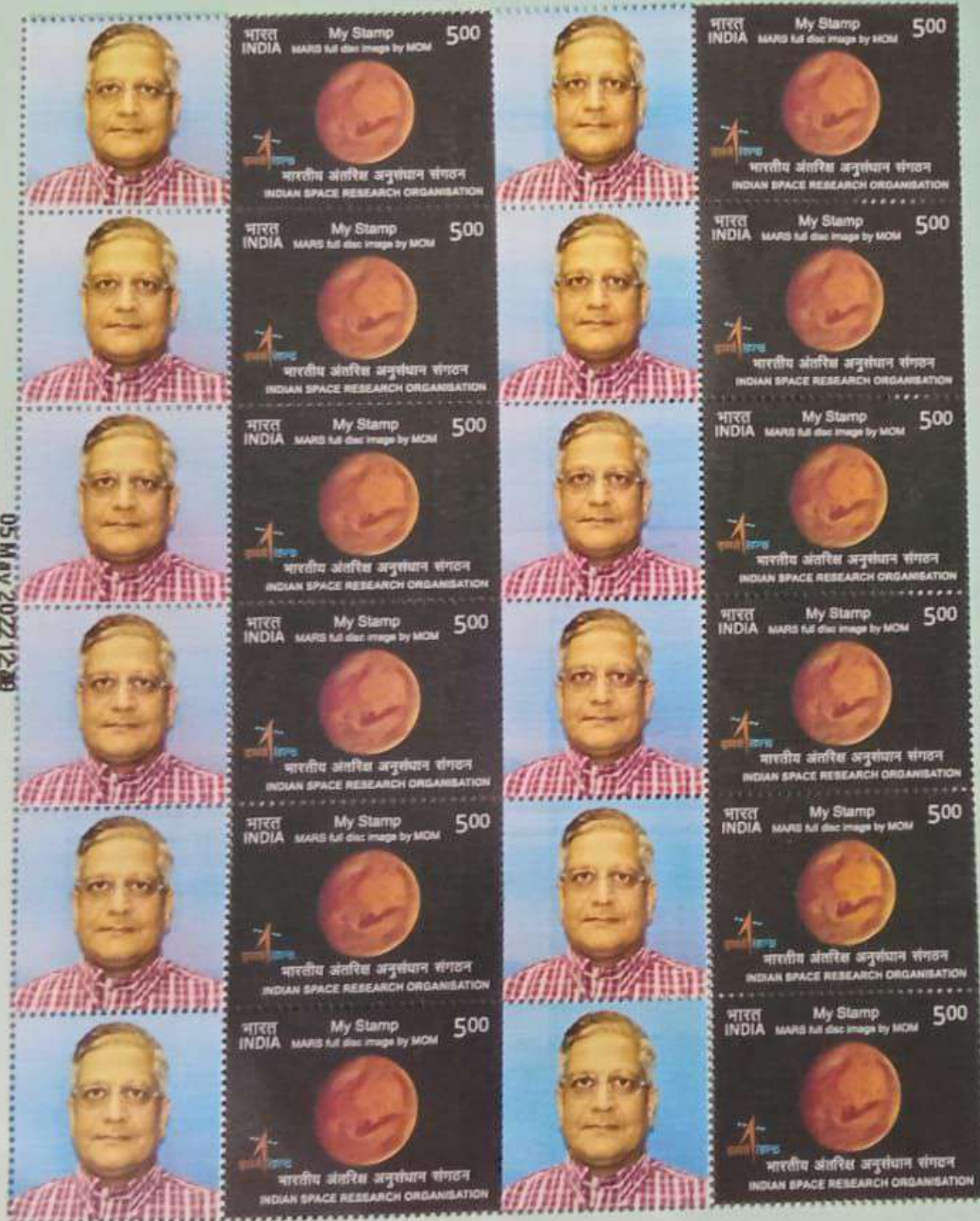
-sd-

Prof. Manav Bhatnagar
Associate Head QIP/CEP
QIP/CEP office, IIT Delhi



Chairman,
Dept. of Electronics and Communication Engineering
School of Engineering,
Dayananda Sagar University,
Kudlu Gate, Hosur Main Road,
Bengaluru - 560 068

05 May 2022 12:38



My Stamp



GSLV-MkIII D1 lifts-off carrying GSAT-19, communication satellite.



भारतीय अंतरिक्ष अनुसंधान संगठन
INDIAN SPACE RESEARCH ORGANISATION

GLOBAL ECONOMIC PROGRESS & RESEARCH ASSOCIATION



GEPR
NEW DELHI

"BHARAT RATNA INDIRA GANDHI GOLD MEDAL AWARD"

presented to



Dr. VIJAYA KUMAR KAMBILA



Excellence in his/her respective field

on the occasion of 75th National Unity Conference on

"Individual Achievement & National Economic Growth"
On 26th December 2021, at Bangalore

"KOTTAI AMEER" Dr. I.S. BASHA
General Secretary



Abo Akademi University
Johan Gadolin Process Chemistry Centre
Laboratory of Molecular Science and Engineering
Henriksgatan 2
FI-20500 Turku/Åbo, Finland



Turku/Åbo 23.2.2022

Dr.Sreenivasa Rao Amaraneni,
Associate Professor in Dept.of Chemistry
School of Engineering
Dayananda Sagar University
Kudlu Gate, Hosur Main Road
Bangalore-560068, India
Phone: 09972735264
E-mail: sramaraneni-chem@dsu.edu.in
sramaraneni@yahoo.com

Dear Dr. Sreenivasa Rao Amaraneni,

Your visiting scholar applications for Spring 2022 was approved by the EACH academic board and I would like to invite you to teach (total: 22.5 h) in our course *Applied Analytical Chemistry* during the time 15.4-29.5.2022.

As a compensation for your teaching we will provide you a honorar of 2500 EUR. We will also cover your travel costs to and from Finland and your accommodation in Turku during your stay.

Accommodation has been reserved for you (15.4.2022-29.5.2022) at the *Guesthouse Villa Hortus* which is situated at the university campus (address: Horttokuja 3, FI-20500, Turku/Åbo, Finland), only 5 min walk to our teaching and research facilities.

I am looking forward to welcoming you in Turku in April 2022.

Yours sincerely,

Johan Bobacka
Professor of analytical chemistry
EACH academic board member

ADITYA ENGINEERING COLLEGE (A)

Surampalem, Andhra Pradesh, India

♦ ♦ ♦ ♦

Department of
Electronics and Communication Engineering



CERTIFICATE OF BEST PAPER

(RDECS - 2022)

July 22-23, 2022

This is to certify that, the paper with title
Using MapReduce and Time Series Analysis to Defend Against DDoS Attacks by
DR VASANTHI KUMARI P from
Dept. of Computer Applications, DSU
is awarded with

“Best Paper - RDECS - 2022”

In the 1st International Conference on Recent Developments in Electronics and
Communication Systems (RDECS - 2022), 22nd -23rd July, 2022.

Conference co convenor
(Prof. V Satyanarayana)

Conference Convenor
(Dr. Sridevi Gamini)

Conference Chair
(Dr. KVSR Murthy)

Conference Chair
(Dr. Sanjeev Kumar)

Conference General Chair
(Dr. M Sreenivasa Reddy)



48th National Conference on

FLUID MECHANICS AND FLUID POWER

(FMFP 2021)

27th – 29th December, 2021

Department of Mechanical Engineering, BITS Pilani, Pilani Campus, Rajasthan, India



Best Paper of the Session

Presented to

D B Singh, Gireesh Yanamashetti, G K Suryanarayana & G Jagadeesh

For The Paper Entitled

Passive Control of transonic unsteady pressure fluctuations using Aerodisc

Prof. M. S. Dasgupta
(Chairman, FMFP 2021)

Prof. Jaywant H. Arakeri
(President, NSFMP)

Dr. Suvanjan Bhattacharyya
(Organising Secretary, FMFP 2021)

Sponsored By

Ansys



innovate

achieve

lead



3rd International Conference on Data Science and Applications (ICDSA 2022)

<https://www.icdsa22.scrs.in/>



E-CERTIFICATE OF PARTICIPATION

Jayita Saha

participated as a

Program Committee Member and Reviewer

in the International Conference on Data Science and Applications (ICDSA 2022)
held during March 26-27, 2022 in India.

Sarbani Roy

Prof. Sarbani Roy
(General Chair)

Chandreyee Chowdhury

Dr. Chandreyee Chowdhury
(General Chair)

J. C. Bansal

Dr. J. C. Bansal
(General Secretary, SCRS)

Organized by
Jadavpur University, Kolkata, India
Technically Sponsored by
Soft Computing Research Society



IEEE
BANGALORE SECTION



DAYANANDA SAGAR GROUP OF INSTITUTIONS

SAGAR CENTENARY IEEE INTERNATIONAL CONFERENCE ON
DISRUPTIVE TECHNOLOGIES FOR INTER-DISCIPLINARY
RESEARCH AND APPLICATIONS - CENTCON 2021

19 - 21 November, 2021

Certificate of Appreciation

This is to certify that Dr./Prof./Mr./Ms. Meenakshi Malhotra of

DSU

has presided as Session Chair in the

Sagar Centenary "IEEE International Conference CENTCON-2021" held during 19-21 November 2021.

Dr. Vaibhav A Meshram
Publication Chair-CENTCON 2021 &
Chairman of ECE, SoE, DSU

Ms. Divya M G
Technical Programme Committee Chair-CENTCON 2021 &
Joint Director-CDAC

Dr. A Srinivas
General Chair-CENTCON 2021 &
Dean, SoE, DSU



Springer



Dayananda Sagar
University

4th INTERNATIONAL CONFERENCE ON INTELLIGENT COMPUTING AND COMMUNICATION (ICICC-2020)

18th, 19th & 20th SEPTEMBER, 2020

Organized by

Department of Computer Science and Engineering & Department of Computer Science and Technology
School of Engineering, Dayananda Sagar University, Bengaluru, India.

Best Paper Award

*This is to certify that Prof./Dr./Mr./Ms. **Rajesh T.M.** of **Dayananda Sagar University, Bengaluru** received a "BEST PAPER AWARD" for presenting a paper titled **An Efficient Framework to Bifurcate Healthy and Diseased Vegetables and Fruits using Multimodal Approach Paper ID: 310** in ICICC-2020 held at Dayananda Sagar University, Bengaluru, India.*

Dr. S. C. Satapathy
General Chair

Dr. M. K. Banga
Organizing Chair



CERTIFICATE OF APPRECIATION

This is to recognize the contribution of

CHHAYA SURYABHAN DULE

as Mentor during the six-months mentorship program, Mentor4You organized by IEEE Young Professionals Affinity Group, Bangalore.

DR. JAGADEESHA R BHAT

Mentor4You Coordinator,
IEEE Young Professionals,
Bangalore

MR. GITANSH ANAND

Chair,
IEEE Young Professionals,
Bangalore



Springer



Dayananda Sagar
University

5th INTERNATIONAL CONFERENCE ON INTELLIGENT COMPUTING AND COMMUNICATION (ICICC-2021)

26th & 27th NOVEMBER, 2021

Organized by

Department of Computer Science and Engineering

School of Engineering, Dayananda Sagar University, Bengaluru, India.

CERTIFICATE OF RECOGNITION

*This is to certify that **Dr. Basavaraj Hiremath** of **Dayananda Sagar University, Bengaluru** has been an esteemed member of the Technical Program Committee of ICICC-2021 conference and contributed in the peer review process. Reviewer contribution and dedication is invaluable in safeguarding the quality and high standard of academic integrity in this conference.*

Dr. S. C. Satapathy
General Chair

Dr. Srinivas A
Organizing Chair

Dr. M. K. Banga
Organizing Chair



Jyothy Institute of Technology
Thathaguni, Bengaluru, Karnataka 560082
DEPARTMENT OF INFORMATION SCIENCE & ENGINEERING
(Accredited for 4 years by NBA, New Delhi)
BitsNBytes



Certificate of Appreciation

Presented to

Dr. GIRISHA G S,
DAYANANDA SAGAR UNIVERSITY

in recognition of project guidance in **National level Inter-Collegiate Project Exhibition -2021**
organized by BitsNBytes of Department of Information Science and Engineering,
Jyothy Institute of Technology in association with CSI and AntStack.io on **5th July 2021.**

Mr Vadiraja A
Faculty Incharge

Dr Harshvardhan Tiwari
HoD-ISE

Dr Gopalkrishna K
Principal



**7th International Conference for
Convergence in Technology
(I2CT)**

IEEE BOMBAY
SECTION

7th – 9th April 2022

**This Certificate is proudly presented to
Dr. Revathi V**

Affiliation ***Dayananda Sagar University, Bangalore*** for role of
Session Chair in 7th International Conference for Convergence in
Technology (I2CT) during 7th to 9th April 2022.

General Chair -I2CT

Dr. Chanakya Kumar Jha

Connecting Scholars Since 2014

Institute of Scholars

An ISO 9001:2015 certified Institute by International Accurate Certification, Accredited by UASL

Bringing ideas into reality.....



Certificate

Young Researcher Award 2021
awarded to

Renuka Devi M N

M.Tech (Computer Science and Engineering), Ph.D. (Pursuing)
Assistant Professor
Department of Computer Science and Engineering
Bengaluru, Karnataka

For the work with following details

Publication Type: Journal
Paper Title: Speech Quality Assessment using Audio Features
Journal Name: Journal of University of Shanghai for Science and Technology
Volume: 22
Issue No.: 10
Month of Publication: October
Year: 2020
Page No.: 2116 - 2125
ISSN: 1007 - 6735

A handwritten signature in black ink, appearing to read "Nanjesh Bennur".

Nanjesh Bennur
Director, InSc

InSc Awards 2021



RV Institute of Technology and Management®

Department of Information Science & Engineering

Certificate of Appreciation

Ms. Shweta S A

Assistant Professor, Department of CS&E,
SOE, Dayananda Sagar University, Bengaluru

Thank you for sharing your valuable Knowledge as a Resource person during the **5 DAYS FACULTY DEVELOPMENT PROGRAM(Online)** on **“SEMANTIC WEB”** conducted by the Department of Information Science & Engineering during 22nd-26th February, 2021 at RV Institute of Technology and Management, Bengaluru.

Dr. Ajina
Co-ordinator

Dr. Prathima Guruprasad
HOD

Dr. Jaypal R
Principal



CERTIFICATE OF PRESENTATION



**9th International Conference on Recent Trends in Computing
ICRTC-2021 (4th - 5th June 2021)**

This is to certify that

Shaila S G

of

Dayananda Sagar University, Bangalore, Karnataka

presented his/her research paper titled

**Music Therapy for Transforming Human Negative Emotions: Deep
Learning Approach**

during the 9th International Conference on Recent Trends in Computing (ICRTC-2021), organized by the Department of Computer Science and Engineering held at SRM Institute of Science and Technology, Delhi-NCR Campus, Ghaziabad from 4th - 5th June, 2021.

Dr. Veena Khandelwal
Assistant Professor (CSE)
Co-Convenor- ICRTC 2021

Dr. R.P. Mahapatra
Professor & Head (CSE)
Convenor- ICRTC 2021



**2022 International Conference
for**

**IEEE BOMBAY
SECTION**

Advancement in Technology (ICONAT)

21st – 22nd January 2022

Certificate of Appreciation

*This Certificate is proudly presented to Dr. Pushpa P V Affiliation Dayananda sagar university for role of **Session Chair** in 2022 International Conference for Advancement in Technology (ICONAT) during 21st & 22nd January 2022.*

**General Chair
Dr. Sandeep A. Thorat**

**Publication chair
Dr. Amol C. Adamuthe**

**Organizing Chair
Dr. Sachin K. Patil**



11 January 2019

Professor Pushpa P.V.
Department of Electronics and Communication Engineering,
Dayanand Sagar University,
Bangalore, India.

Dear Professor Pushpa P.V.,

Re: **Letter of Appreciation**

We are extremely fortunate to host you at the Department of Electrical and Electronic Engineering as a Visiting Professor and very thankful for your interesting seminar on the topic of "Internet of Things based Context Aware Remote Health Care Services". Your research into the context-aware computing and your outstanding introduction to the application of this to the problem of remote healthcare has been well-received by all the attendees of the seminar, including the Head of Department – Professor Chris Manzie.

Once again, we thank you for your generosity in donating your time and effort to share your exciting research and we hope to welcome you again in the near future to find more about your research.

Yours sincerely,

A handwritten signature in black ink, appearing to read 'Thas A Nirmalathas'.

Thas A Nirmalathas



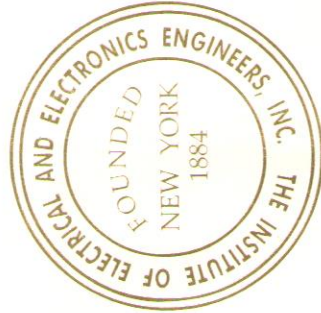
*Advancing Technology
for Humanity*

CERTIFICATE OF RECOGNITION

The IEEE Member Recruitment and Recovery Committee recognizes

PUSHPA MALA S

*For outstanding achievement in member retention for the
Bangalore Section during the 2021 membership year.*



Ievgen Pichkalyov

*Ievgen Pichkalyov
Chair, 2021 IEEE Member Recruitment
and Recovery Committee*

30 April 2019

Dr. Srinivas A
Professor & Dean, School of Engineering,
Kudlu Gate, Hosur Main Road
Bengaluru, Karnataka 560068 India

Dear Dr. Srinivas A:

It is a pleasure to advise you that Dr. Theodore Chandra S, a member of your organization, has been elevated to the grade of Senior Member of IEEE this year.

Senior Member is the highest professional grade of IEEE for which a member may apply. It requires extensive experience, and reflects professional accomplishment and maturity. Only 10% of our more than 400,000 members have achieved this level.

We are very pleased to have Dr. Theodore Chandra S join the elite rank of IEEE Senior Members – both Dr. Theodore Chandra S and you should be proud of the professional achievements that led to this recognition. We look forward to additional contributions and successful projects and discoveries made by or associated with our new Senior Member.

Sincerely,



José M. F. Moura
IEEE President and CEO

Questions or Comments: Email the Senior Member Team at senior-member@ieee.org



Best Researcher Award 2020

IEEE Student Branch Level

Is presented to

Pushpa Mala S

Dayananda Sagar University-Bangalore

In grateful appreciation and distinguished
recognition of your Research Works & efforts towards
IEEE Bangalore Section

Mission #2020 Challenge

Mr. Puneet Kumar Mishra
Chair, IEEE Bangalore Section

CERTIFICATE OF RECOGNITION



presented to

Dr. P. Baby Maruthi

from

Dayananda Sagar University
Bengaluru, Karnataka, India


Dr. S.N. Mehta
Director
I2OR India




Er. T. Singh
Head (R&D)
I2OR India



Åbo Akademi University
Johan Gadolin Process Chemistry Centre
Laboratory of Molecular Science and Engineering
Biskopsgatan 8
FI-20500 Turku/Åbo, Finland



Turku/Åbo 6.1.2021

Dr. Sreenivasa Rao Amaraneni,
Associate Professor in Dept. of Chemistry
School of Engineering
Dayananda Sagar University
Kudlu Gate, Hosur Main Road
Bangalore-560068, India
Phone: 09972735264
E-mail: sramaraneni-chem@dsu.edu.in
sramaraneni@yahoo.com

Dear Dr. Sreenivasa Rao Amaraneni,

I am pleased to confirm that your visiting scholar applications for Spring 2021 and Spring 2022 have been approved by the EACH academic board. Congratulations!

Due to COVID-19, teaching at Åbo Akademi University will be organized remotely in Spring 2021. Therefore, we invite you to provide remote lecturing (4.5 h/week) in our course *Applied Analytical Chemistry* for 5 weeks during the time 30.3-29.4.2021. As a compensation we will provide you a salary of 500 EUR/week (total: 2500 EUR).

We also welcome you to teach in the same course on site at Åbo Akademi University in Turku/Åbo in Spring 2022. We will be happy to cover your flight, accommodation, as well as an additional 500 EUR/week during your stay in Turku for 5 weeks during April-May 2022.

I am looking forward to your remote teaching in Spring 2021 and I am looking forward to welcoming you in Turku/Åbo in April-May 2022.

Thank you for your willingness to share your knowledge with our EACH students!

Yours sincerely,

Johan Bobacka
Professor of analytical chemistry
EACH academic board member

SFNP
SOCIETY FOR
NURSING PRACTICES

UNITED innovators®



CHITKARA
UNIVERSITY



BioLEAGUES
Inspiring Minds... Accelerating Research

ITM
UNIVERSITY
GWALIOR • MP • INDIA

Certificate

OF KEYNOTE

3rd International Conference on Nursing Science and Healthcare


22nd & 23rd October 2021 | ITM University Institute of Nursing Science, Gwalior

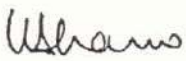
SFNP - ITM University express its gratitude to



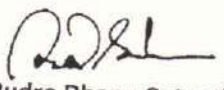
Dr. Sharmila J

for her worthy Keynote Speaker at the
3rd International Conference on Nursing Science and Healthcare
Organized by Society For Nursing Practices (SFNP)
held on 22nd & 23rd October 2021.

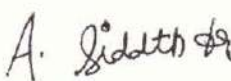

Prof. (Dr.) Sher Singh Bhakar
Vice Chancellor
ITM University, Gwalior


Ms. Veena Sharma
Principal, Rufaida College of Nursing
Jamia Hamdard (Deemed to be University)
New Delhi, India


Dr. Harmeet Kaur Kang
Principal, Department of Nursing
Chitkara School of Health Sciences
Chitkara University, Punjab


Mr. Rudra Bhanu Satpathy
CEO & Founder
Society For Nursing Practices
(SFNP)




Mr. Siddh Kumar Chhajer
Managing Director
Society For Nursing Practices
(SFNP)



ACHIEVEMENT AWARD CERTIFICATE



Geetha K. M.

College of Pharmaceutical Sciences, Dayananda Sagar University, Bangalore, India.

actively participated with presentation entitled **L-Rhamnose Ameliorates Isoprenaline (Iso) Induced Myocardial Toxicity and Oxidative Stress in Wistar Rats**

and won **"E-ORAL PRESENTATION AWARD"** with **First Position** during

APP 15TH INDO-US VIRTUAL CONFERENCE

Theme: "Global Advances in Pharmaceutical and Allied Science"

at Arihant School of Pharmacy & Bio-Research Institute, Adalaj, Gandhinagar, Gujarat, India

organized by APP Gujarat State Branch & APP American International Branch

in collaboration with APP Pharmaceutical Education & Healthcare Management Division with support of

Dharmsinh Desai University, Nadiad (Gujarat) on the occasion of World AIDS Day

on the 1st & 2nd day of December 2021.

PROF. DR. RAGIN R. SHAH

Convener & Principal

Arihant School of Pharmacy & Bio-Research Institute
Adalaj, Gandhinagar, Gujarat, INDIA



DR. SUNITA DAHIYA

General Secretary APP

School of Pharmacy, University of Puerto Rico
San Juan, Puerto Rico, USA



Supported
by the



MAHSA
UNIVERSITY



CERTIFICATE OF BEST PRESENTATION

PROUDLY AWARDED TO

Anju Das

FOR THE MANUSCRIPT TITLED
Evaluation of Antidiabetic Property
of Phytoconstituent from *Lindernia ciliata*

presented at the **MAHSA International Medical
Technology (Mi-MED) Conference 2021** organised
by the Faculty of Medicine, Bioscience, and
Nursing on the 22nd and 23rd of October 2021

**PROF. DR. SRIKUMAR
CHAKRAVARTHI**

Director, Postgraduate Studies,
Research and Innovation,
MAHSA University, Malaysia

**PROF. DR. RUSLI
BIN NORDIN**

Dean, Faculty of Medicine,
Bioscience and Nursing
MAHSA University,
Malaysia



MAHSA
UNIVERSITY



CERTIFICATE OF BEST PRESENTATION

PROUDLY AWARDED TO

Iswar Hazarika

FOR THE MANUSCRIPT TITLED

**Bioassay Guided Isolation of Phytoconstituents with
Anti-Alzheimers Activity from Hydrocotyle Sibthorpioides Lam**

**presented at the MAHSA International Medical
Technology (Mi-MED) Conference 2021 organised
by the Faculty of Medicine, Bioscience, and
Nursing on the 22nd and 23rd of October 2021**

**PROF. DR. SRIKUMAR
CHAKRAVARTHI**

Director, Postgraduate Studies,
Research and Innovation,
MAHSA University, Malaysia

**PROF. DR. RUSLI
BIN NORDIN**

Dean, Faculty of Medicine,
Bioscience and Nursing
MAHSA University,
Malaysia



Certificate of Best Presentation Award

Hereby certifies that

S. REKHA

College of Pharmaceutical Sciences, DAYANANDA SAGAR UNIVERSITY

has presented an outstanding work entitled

Molecular docking studies of substituted thiazolidin-4-one derivatives against PPAR γ nuclear protein
for its anti-diabetic activity

In an online conference on *"Consortium On Modern Tools And Techniques For
Drug Design And Discovery - A Paradigm Shift"*

Department of Pharmaceutical Chemistry, T. John College of Pharmacy,
Bangalore on March 26, 2022.

A handwritten signature in black ink, appearing to read 'Dr. D. Visagaperumal'.

Dr. D. Visagaperumal

Co-ordinator, Professor and HOD
Department of Pharmaceutical Chemistry



A handwritten signature in blue ink, appearing to read 'Dr. Vineeth Chandy'.

Dr. Vineeth Chandy

Convenor and Principal
T. John College of Pharmacy, Bangalore



JeevaRaksha Trust

(A Rajiv Gandhi University of Health Sciences and Swami Vivekananda Youth Movement Initiative)

#496, 11th Cross Road, 8th Main Road 2nd Phase J P Nagar, Bengaluru-560078

Phone: +91 6363910978 | Email: team@jeevaraksha.org | Website: jeevaraksha.org



SUB: Deputation of faculty for RGUHS-JeevaRaksha Basic Care and Life Support (BCLS) training program at **R V Nursing College Bangalore.**

Dear Sir/Madam,

Greetings from RGUHS-JeevaRaksha Trust.

RGUHS-JeevaRaksha Trust is organizing Basic Care and Life Support (BCLS) workshop for the students at **R V Nursing College** on **20th July 2022**. We request you to kindly depute **Dr. Radhika Chintamani, Associate Professor**, Dayananda Sagar College of Physiotherapy, Bangalore to attend the workshop on **20th July 2022** as an **Instructor**.

Thank you for your continuing support in our mission to save lives.

Yours Sincerely,

Dr Ram Nair
Chief Executive Officer
JeevaRaksha Trust

JeevaRaksha



JeevaRaksha Trust

(A Rajiv Gandhi University of Health Sciences and Swami Vivekananda Youth Movement Initiative)

#496, 11th Cross Road, 8th Main Road 2nd Phase J P Nagar, Bengaluru-560078

Phone: +91 6363910978 | Email: team@jeevaraksha.org | Website: jeevaraksha.org



SUB: Deputation of faculty for RGUHS-JeevaRaksha Basic Care and Life Support (BCLS) training program at **R V Nursing College Bangalore.**

Dear Sir/Madam,

Greetings from RGUHS-JeevaRaksha Trust.

RGUHS-JeevaRaksha Trust is organizing Basic Care and Life Support (BCLS) workshop for the students at **R V Nursing College** on **20th July 2022**. We request you to kindly depute **Spoorthi N Raj, MPT 1st Year, Physiotherapy**, Dayananda Sagar College of Physiotherapy, Bangalore to attend the workshop on **20th July 2022** as an **Instructor**.

Thank you for your continuing support in our mission to save lives.

Yours Sincerely,

Dr Ram Nair
Chief Executive Officer
JeevaRaksha Trust

JeevaRaksha



JeevaRaksha Trust

(A Rajiv Gandhi University of Health Sciences and Swami Vivekananda Youth Movement Initiative)

#496, 11th Cross Road, 8th Main Road 2nd Phase J P Nagar, Bengaluru-560078

Phone: +91 6363910978 | Email: team@jeevaraksha.org | Website: jeevaraksha.org



SUB: Deputation of faculty for RGUHS-JeevaRaksha Basic Care and Life Support (BCLS) training program at R V Nursing College Bangalore.

Dear Sir/Madam,

Greetings from RGUHS-JeevaRaksha Trust.

RGUHS-JeevaRaksha Trust is organizing Basic Care and Life Support (BCLS) workshop for the students at **R V Nursing College** on **20th July 2022**. We request you to kindly depute **Manasa M T, MPT 2st Year, Physiotherapy**, Dayananda Sagar College of Physiotherapy, Bangalore to attend the workshop on **20th July 2022** as an **Instructor**.

Thank you for your continuing support in our mission to save lives.

Yours Sincerely,

Dr Ram Nair
Chief Executive Officer
JeevaRaksha Trust

JeevaRaksha



International Institute of Information Technology Bangalore

The Governing Body upon the recommendation of
the Senate of the Institute hereby confers

Prof. Ravi Ravindran Gold Medal

upon

Debanjali Bhattacharya

for Best PhD Thesis given at Bengaluru on the
Third day of July, Two Thousand and Twenty Two.

Prof. Debabrata Das
Director

Cmde (Retd.) S R Sridhar
Registrar

S. Gopalakrishnan
Chairman

FILE NO. EMR/2016/001981

SCIENCE & ENGINEERING RESEARCH BOARD (SERB)

(a statutory body of the Department of Science & Technology, Government of India)

5 & 5A, Lower Ground Floor
Vasant Square Mall
Plot No. A, Community Centre
Sector-B, Pocket-5, Vasant Kunj
New Delhi-110070

Dated: 16-Feb-2017

ORDER

Subject: Financial Sanction of the research project titled "Investigations on intestinal neuropeptides as anticolitogenic agents on mitochondrial function for the maintenance of colon epithelial tract in ulcerative colitis," under the guidance of Dr. Arpan Kumar Maiti, Biotechnology - School of Basic & Applied Sciences, Dayananda Sagar University, Shavige Malleshwara Hills, Kumaraswamy Layout, Bangalore, KARNATAKA-560078 and by Dr. Gautham Santhekadur Annappa, Assistant Professor, Microbiology, Dayananda Sagar University and by Dr. Sunil S More, Associate Professor, Biochemistry, Dayananda Sagar University - Release of 1st grant.

Sanction of Science and Engineering Research Board (SERB) is hereby accorded to the above mentioned project at a total cost of Rs. 3914158/- (Rs. Thirty Nine Lakh Fourteen Thousand One Hundred and Fifty Eight Only) with break-up of Rs. 1489158/- under Capital (Non-recurring) head and Rs. 2425000/- under General (Recurring) head for a duration of Three years. The items of expenditure for which the total allocation of Rs. 3914158/- has been approved are given below: The following budget may be considered for Dayananda Sagar University, Shavige Malleshwara Hills, Kumaraswamy Layout, Bangalore

S. No	Head	Total (in Rs.)
A	Non-recurring	
1	Equipment -> UV- Visible-Fluorescence spectrophotometer -> Cooling Refrigerated Centrifuge -> Western Blot -> Carbon dioxide incubator -> Electrophoresis	1489158
A'	Total (Non-Recurring)	1489158
B	Recurring Items	
1	Recurring - A: (Manpower, Consumables, Travel, Contingencies)	2070000
2	Recurring - B: (Overhead Charges)	355000
B'	Total (Recurring)	2425000
C	Total cost of the project (A' + B')	3914158

2. Sanction of the SERB is also accorded to the payment of

- Rs. 1489158/- (Rupees Fourteen Lakh Eighty Nine Thousand One Hundred and Fifty Eight only) under 'Grants for creation of capital assets' and Rs. 100842/- (Rupees One Lakh Eight Hundred and Forty Two only) under 'Grants-in-aid General' to REGISTRAR, DAYANANDA SAGAR UNIVERSITY, Dayananda Sagar University, Shavige Malleshwara Hills, Kumaraswamy Layout, Bangalore

being the first installment of the grant for the year 2016-2017 for implementation of the said research project.

3. The expenditure involved is debitable to Fund for Science & Engineering Research (FSER)

This release is being made under Extra Mural Research Funding (Individual Centric). (PAC Health Sciences)

4. The Sanction has been issued to Dayananda Sagar University, Shavige Malleshwara Hills, Kumaraswamy Layout, Bangalore with the approval of the competent authority under delegated powers on 10 February, 2017 and vide Diary No. SERB/F/8305/2016-17 dated 16 February, 2017

5. Sanction of the grant is subject to the conditions as detailed in Terms & Conditions available at website (www.serb.gov.in).

6. Overhead expenses are meant for the host Institute towards the cost for providing infrastructural facilities and general administrative support etc. including benefits to the staff employed in the project.

7. While providing operational flexibility among various subheads under head Recurring-A, it should be ensured that not more than Rs. 1.5 lakh each should be spent for travel and contingency.

8. As per rule 211 of CFR, the accounts of project shall be open to inspection by sanctioning authority/audit whenever the

1. The sanctioned equipment would be procured as per GFR and its disposal of the same would be done with prior approval of SERB.

10. The release amount of Rs. 1590000/- (Rupees Fifteen Lakh Ninety Thousand only) will be drawn by the Finance & Budget Officer of the SERB and will be disbursed by means of RTGS transaction as per their Bank details given below:

Account Name	M/S DAYANANDA SAGAR UNIVERSITY RESEARCH
Account Number	141101011005212
Bank Name & Branch	VIJAYA BANK Vijaya Bank, Dayananda Sagar Engineering College Branch, Kumaraswamy Layout, Bangalore 560078, Karnataka, India
IFSC/RTGS Code	VJIB0001411
Email id of A/C Holder	cfo@dsu.edu.in
Email id of PI	arphan.maiti@dsu.edu.in

11. The institute will furnish to the SERB, New Delhi, separate Utilization certificate (UCs) financial year wise to the SERB for Recurring (Grants-in-aid General) & Non-Recurring (Grants for creation of capital assets) and an audited statement of accounts pertaining to the grant immediately after the end of each financial year.

12. The institute will maintain separate audited accounts for the project. A part or whole of the grant must be kept in an interest earning bank account which is to be reported to SERB. The interest thus earned will be treated as credit to the institute to be adjusted towards further installment of the grant.

13. The project File no. EMP/2015/001981 may also be mentioned in all research communications arising from the above project with due acknowledgement of SERB.

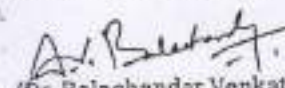
14. The manpower sanctioned in the project, if any is co-terminus with the duration of the project and SERB will have no liability to meet the fellowship and salary of supporting staff if any, beyond the duration of the project.

15. As this is the first grant being released for the project, no previous U/C is required.

16. The institute may refund any unspent balance to SERB by means of a Demand Draft favoring "FUND FOR SCIENCE AND ENGINEERING RESEARCH" payable at New Delhi.

17. The organization/institute/university should ensure that the technical support/financial assistance provided to them by the Science & Engineering Research Board, a statutory body of the Department of Science & Technology (DST), Government of India should invariably be highlighted/acknowledged in their media releases as well as in bold letters in the opening paragraphs of their Annual Report.

18. In addition, the investigator/host institute must also acknowledge the support provided to them in all publications, patents and any other output emanating out of the project/program funded by the Science & Engineering Research Board, a statutory body of Department of Science & Technology (DST), Government of India.


(Dr. Balachandrar Venkatesan)
Scientist E
ms_hs@serbonline.in

10,
Finance & Budget Officer
SERB, New Delhi

Copy forwarded for information and necessary action to:-

1.	The Principal Director of Audit, A.G.C.R. Building, IIIrd Floor I.P. Estate, Delhi-110002
2.	Sanction Folder, SERB, New Delhi.
3.	File Copy
4.	<p>Dr. Arpan Kumar Maiti Biotechnology - School of Basic & Applied Sciences Dayananda Sagar University, Shavige Malleshwara Hills, Kumaraswamy Layout, Bangalore, KARNATAKA-560078 Email: arphan.maiti@dsu.edu.in Mobile: 918861491925</p> <p>Dr. Gautham Santhekadur Annappa Microbiology Dayananda Sagar University</p> <p>Dr. Sunil S More Biochemistry Dayananda Sagar University (Start date of the project may be intimated by name to the undersigned. For guidance, terms & conditions etc. Please visit www.serb.gov.in.)</p>

FILE NO. EMR/2016/101226
SCIENCE & ENGINEERING RESEARCH BOARD(SERB)
 (a statutory body of the Department of Science & Technology, Government of India)

S & SA, Lower Ground Floor
 Vasanti Square Mall
 Plot No. A, Community Centre
 Sector-B, Pocket-5, Vasanti Kunj
 New Delhi-110070

Dated: 20-Feb-2017

ORDER

Subject: Financial Sanction of the research project titled "Crystal Engineering of Nutraceuticals as New Chemical entities" under the guidance of Dr. Anand Solomon, chemistry, Dayananda Sagar University, Shavige Malleshwara Hills, Kumaraswamy Layout, Bangalore, KARNATAKA-560078 - Release of 1st grant.

Sanction of Science and Engineering Research Board (SERB) is hereby accorded to the above mentioned project at a total cost of Rs. 3098480/- (Rs. Thirty Lakh Ninety Eight Thousand Four Hundred and Eighty Only) with break-up of Rs. 1100000/- under Capital (Non-recurring) head and Rs. 1998480/- under General (Recurring) head for a duration of Three years. The items of expenditure for which the total allocation of Rs. 3098480/- has been approved are given below:

The following budget may be considered for Dayananda Sagar University, Shavige Malleshwara Hills, Kumaraswamy Layout, Bangalore

S. No	Head	Total (in Rs.)
A	Non-recurring	
1	Equipment → Fourier Transform Infrared Spectrophotometer	1100000
A'	Total (Non-Recurring)	1100000
B	Recurring Items	
1	Recurring - A : (Manpower, Consumables, Travel, Contingencies)	175800
2	Recurring - B : (Overhead Charges)	281680
B'	Total (Recurring)	1998480
C	Total cost of the project (A + B')	3098480

2. Sanction of the SERB is also accorded to the payment of
 Rs. 1100000/- (Rupees Eleven Lakh only) under 'Grants for creation of capital assets' and Rs. 200000/- (Rupees Two Lakh only) under 'Grants-in-aid General' to VICE CHANCELLOR, Dayananda Sagar University, Shavige Malleshwara Hills, Kumaraswamy Layout, Bangalore

being the first installment of the grant for the year 2016-2017 for implementation of the said research project.

3. The expenditure involved is debitable to Fund for Science & Engineering Research (FSER)
 This release is being made under Extra Mural Research Funding (Individual Centric). (PAC Organic Chemistry)

4. The Sanction has been issued to Dayananda Sagar University, Shavige Malleshwara Hills, Kumaraswamy Layout, Bangalore with the approval of the competent authority under delegated powers on 15 February, 2017 and vide Order No. SERB/T/8484/2016-17 dated 18 February, 2017

5. Sanction of the grant is subject to the conditions as detailed in Terms & Conditions available at website (www.serb.gov.in).

6. Overhead expenses are meant for the host institute towards the cost for providing infrastructural facilities and general administrative support etc. including benefits to the staff employed in the project.

7. While providing operational flexibility among various subheads under head Recurring-A, it should be ensured that not more than Rs. 1.5 lakh each should be spent for travel and contingency.

8. As per rule 2(i) of GFR, the accounts of project shall be open to inspection by sanctioning authority/audit whenever the institute is called upon to do so.

9. The sanctioned equipment would be procured as per GFR and its disposal of the same would be done with prior approval of SERB.

10. The release amount of Rs. 1300000/- (Rupees Thirteen Lakh only) will be drawn by the Finance & Budget Officer of the SERB and will be disbursed by means of RTGS transaction as per their Bank details given below:

Account Name	DAYANANDA SAGAR UNIVERSITY RESEARCH ACCOUNT
Account Number	141101011096212
Bank Name & Branch	VIJAYA BANK DSI CAMPUS BRANCH, SHAVIGE MALLESHWARA HILLS, 560078
IFSC/RTGS Code	VIJB0001411
Email id of A/C Holder	cfo@dsu.edu.in
Email id of PI	anands-chem@dsu.edu.in

11. The institute will furnish to the SERB, New Delhi, separate Utilization certificate(UCs) financial year wise to the SERB for Recurring (Grants-in-aid General) & Non-Recurring (Grants for creation of capital assets) and an audited statement of accounts pertaining to the grant immediately after the end of each financial year.

12. The institute will maintain separate audited accounts for the project. A part or whole of the grant must be kept in an interest earning bank account which is to be reported to SERB. The interest thus earned will be treated as credit to the institute to be adjusted towards further installment of the grant.

13. The project File no. EMR/2016/001224 may also be mentioned in all research communications arising from the above project with due acknowledgement of SERB.

14. The manpower sanctioned in the project, if any is co-terminus with the duration of the project and SERB will have no liability to meet the fellowship and salary of supporting staff if any, beyond the duration of the project.

15. As this is the first grant being released for the project, no previous U/C is required.

16. The institute may refund any unspent balance to SERB by means of a Demand Draft favoring "FUND FOR SCIENCE AND ENGINEERING RESEARCH" payable at New Delhi.

17. The organization/institute/university should ensure that the technical support/financial assistance provided to them by the Science & Engineering Research Board, a statutory body of the Department of Science & Technology (DST), Government of India should invariably be highlighted/ acknowledged in their media releases as well as in bold letters in the opening paragraphs of their Annual Report.

18. In addition, the investigator/host institute must also acknowledge the support provided to them in all publications, patents and any other output emanating out of the project/program funded by the Science & Engineering Research Board, a statutory body of Department of Science & Technology (DST), Government of India.

(Dr. Monika Agarwal)
Scientist E
monika@serb.gov.in

To,
Finance & Budget Officer
SERB, New Delhi

Copy forwarded for information and necessary action to:-

1.	The Principal Director of Audit, A.G.C.R. Building, 11th Floor I.P. Estate, Delhi-110002
2.	Sanction Folder, SERB, New Delhi.
3.	File Copy

FILE NO. ECR/2017/000601
SCIENCE & ENGINEERING RESEARCH BOARD (SERB)
(a statutory body of the Department of Science & Technology, government of India)

S & 5A, Lower Ground Floor
Vasant Square Mall
Plot No. A, Community Centre
Sector-B, Pocket-5, Vasant Kunj
New Delhi-110070

Dated: 23-Jun-2017

ORDER

Subject: Financial Sanction of the research project titled "Investigations on reduced graphene oxide in the aspect of its possible application for the development of a radiation sensor," under the guidance of Dr. Baishali Garai, Physics, Dayananda Sagar University, Shavige Malleshwara Hills, Kumaraswamy Layout, Bangalore, KARNATAKA-560078 - Release of 1st grant.

Sanction of Science and Engineering Research Board (SERB) is hereby accorded to the above mentioned project at a total cost of Rs. 3598540/- (Rs. Thirty Five Lakh Ninety Eight Thousand Five Hundred and Forty Only) with break-up of Rs. 1515400/- under Capital (Non-recurring) head and Rs. 2083140/- under General (Recurring) head for a duration of 36 months. The items of expenditure for which the total allocation of Rs. 3598540/- has been approved are given below:
The following budget may be considered for Dayananda Sagar University, Shavige Malleshwara Hills, Kumaraswamy Layout, Bangalore

S.No	Head	Total (in Rs.)
A	Non-recurring	
1	Equipment -> Modular wet cleaning bench -> Keithley source meter -> Power supply -> Laboratory Oven -> Keithley electrometer -> Chemical balance -> Spin coater -> UltraSonicator	1515400
A'	Total (Non-Recurring)	1515400
B	Recurring Items	
1	Recurring - A : (Manpower, Consumables, Travel, Contingencies, Other Cost)	1756000
2	Recurring - B : (Overhead Charges)	
B'	Total (Recurring)	327140
C	Total cost of the project (A + B')	2083140
		3598540

- Sanction of the SERB is also accorded to the payment of
Rs. 1515400/- (Rupees Fifteen Lakh Fifteen Thousand Four Hundred only) under 'Grants for creation of capital assets' and Rs. 694380/- (Rupees Six Lakh Ninety Four Thousand Three Hundred and Eighty only) under 'Grants-in-aid General' to Vice Chancellor, Dayananda Sagar University, Shavige Malleshwara Hills, Kumaraswamy Layout, Bangalore
being the first installment of the grant for the year 2017-2018 for implementation of the said research project
- The expenditure involved is debit to Fund for Science & Engineering Research (FSER)
This release is being made under Early Career Research Award. (EC Engineering Sciences)
- The Sanction has been issued to Dayananda Sagar University, Shavige Malleshwara Hills, Kumaraswamy Layout, Bangalore with the approval of the competent authority under delegated powers on 16 June, 2017 and vide Diary No. SERB/F/1990/2017-18 dated 22 June, 2017
- Sanction of the grant is subject to the conditions as detailed in Terms & Conditions available at website (www.serb.gov.in)
- Overhead expenses are meant for the host Institute towards the cost for providing infrastructural facilities and general administrative support etc. including benefits to the staff employed in the project.
- While providing operational flexibility among various subheads under head Recurring-A, it should be ensured that not more than Rs. 1.5 lakh each should be spent for travel and contingency.
- As per rule 211 of GFR, the accounts of project shall be open to inspection by sanctioning authority/audit whenever the institute is called upon to do so.
- The sanctioned equipment would be procured as per GFR and its disposal of the same would be done with prior approval of SERB.

The Electronic Project Proposal Management System, For SERB

10. The release amount of Rs. 2208780/- (Rupees Twenty Two Lakh Nine Thousand Seven Hundred and Eighty only) will be drawn by the Finance & Budget Officer of the SERB and will be disbursed by means of RTGS transaction as per their Bank details given below:

Account Name	Dayananda Sagar University Research Account
Account Number	141101011005212
Bank Name & Branch	VIJAYA BANK DSI CAMPUS BRANCHSHAVIGE MALLESHWARA HILLSKUMARASWAMY LAYOUT,BANGALORE-560078
IFSC/RTGS Code	VJIB0001411
Email id of A/C Holder	rfo@dsu.edu.in
Email id of PI	baishaliagarai@yahoo.com

11. The institute will furnish to the SERB, New Delhi, separate Utilization certificate(UCs) financial year wise to the SERB for Recurring (Grants-in-aid General) & Non-Recurring (Grants for creation of capital assets) and an audited statement of accounts pertaining to the grant immediately after the end of each financial year.

12. The institute will maintain separate audited accounts for the project. A part or whole of the grant must be kept in an interest earning bank account which is to be reported to SERB. The interest thus earned will be treated as credit to the institute to be adjusted towards further installment of the grant.

13. The project File no. ECR/2017/000601 may also be mentioned in all research communications arising from the above project with due acknowledgement of SERB.

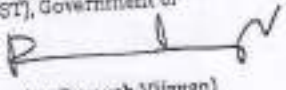
14. The manpower sanctioned in the project, if any is co-terminus with the duration of the project and SERB will have no liability to meet the fellowship and salary of supporting staff if any, beyond the duration of the project.

15. As this is the first grant being released for the project, no previous U/C is required.

16. The institute may refund any unspent balance to SERB by means of a Demand Draft favoring "FUND FOR SCIENCE AND ENGINEERING RESEARCH" payable at New Delhi.

17. The organization/institute/university should ensure that the technical support/financial assistance provided to them by the Science & Engineering Research Board, a statutory body of the Department of Science & Technology (DST), Government of India should invariably be highlighted/acknowledged in their media releases as well as in bold letters in the opening paragraphs of their Annual Report.

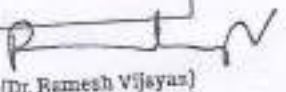
18. In addition, the investigator/host institute must also acknowledge the support provided to them in all publications, patents and any other output emanating out of the project/program funded by the Science & Engineering Research Board, a statutory body of Department of Science & Technology (DST), Government of India.


(Dr. Ramesh Vijayan)
SCIENTIST-C
drvramesh@serb.gov.in

To,
Finance & Budget Officer
SERB, New Delhi

Copy forwarded for information and necessary action to:-

1.	The Principal Director of Audit, A.C.C.B. Building, IIIrd Floor I.P. Estate, Delhi-110002
2.	Sanction Folder, SERB, New Delhi
3.	File Copy
4.	Dr. Baishali Garai Physics Dayananda Sagar University, Shavige Malleshwara Hills, Kumaraswamy Layout, Bangalore, KARNATAKA-560078 Email: baishaliagarai@yahoo.com Mobile: 919663367927 (Start date of the project may be intimated by name to the undersigned. For guidance, terms & Conditions etc. Please visit www.serb.gov.in)
5.	Vice Chancellor, Dayananda Sagar University, Shavige Malleshwara Hills, Kumaraswamy Layout, Bangalore (Receipt of Grant may be intimated by name to the undersigned)


(Dr. Ramesh Vijayan)
SCIENTIST-C
drvramesh@serb.gov.in

FILE NO. ECR/2017/000743
SCIENCE & ENGINEERING RESEARCH BOARD(SERB)
 (a statutory body of the Department of Science & Technology, Government of India)

5 & 8A, Lower Ground Floor
 Vasant Square Mall
 Plot No. A, Community Centre
 Sector-B, Pocket-5, Vasant Kunj
 New Delhi-110070

Dated: 07-Jul-2017

ORDER

Subject: Financial Sanction of the research project titled "Functionalized meso/microporous nanostructured metal oxides sensor for screening dispersed heavy metal ions: One-shot disposable sensor strips" under the guidance of Dr. Ashoka Siddaramanna, Chemistry, Dayananda Sagar Institutions, Dayananda Sagar College of Engineering, Shavige Malleshwara Hills, Kumaraswamy layout, Bengaluru, Bangalore urban district, Karnataka-560078 - Release of 1st grant.

Sanction of Science and Engineering Research Board (SERB) is hereby accorded to the above mentioned project at a total cost of Rs. 2645200/- (Rs. Twenty Six Lakh Forty Five Thousand Two Hundred Only) with break-up of Rs. 1200000/- under Capital (Non-recurring) head and Rs. 1445200/- under General (Recurring) head for a duration of 36 months. The items of expenditure for which the total allocation of Rs. 2645200/- has been approved are given below:

The following budget may be considered for Dayananda Sagar Institutions, Dayananda Sagar College Of Engineering, Shavige Malleshwara Hills, Kumaraswamy Layout, Bengaluru

S. No	Head	Total (in Rs.)
A	Non-recurring	1200000
1	Equipment -> Electrochemical work station	1200000
A*	Total (Non-Recurring)	
B	Recurring Items	1205200
1	Recurring - A : (Manpower, Consumables, Travel, Contingencies)	
2	Recurring - B : (Overhead Charges)	240000
B*	Total (Recurring)	1445200
C	Total cost of the project (A + B*)	2645200

2. Sanction of the SERB is also accorded to the payment of Rs. 1200000/- (Rupees Twelve Lakh only) under 'Grants for creation of capital assets' and Rs. 480000/- (Rupees Four Lakh Eighty Thousand only) under 'Grants-in-aid General' to VICE CHANCELLOR, Dayananda Sagar Institutions, Dayananda Sagar College Of Engineering, Shavige Malleshwara Hills, Kumaraswamy Layout, Bengaluru

being the first installment of the grant for the year 2017-2018 for implementation of the said research project.

3. The expenditure involved is debitable to Fund for Science & Engineering Research (FSER). This release is being made under Early Career Research Award. (EC Chemical Sciences)

4. The Sanction has been issued to Dayananda Sagar Institutions, Dayananda Sagar College Of Engineering, Shavige Malleshwara Hills, Kumaraswamy Layout, Bengaluru with the approval of the competent authority under delegated powers on 28 June, 2017 and vide Diary No. SERB/P/2304/2017-2018 dated 30 June, 2017

5. Sanction of the grant is subject to the conditions as detailed in Terms & Conditions available at website (www.serb.gov.in).

6. Overhead expenses are meant for the host institute towards the cost for providing infrastructural facilities and general administrative support etc. including benefits to the staff employed in the project.

7. While providing operational flexibility among various subheads under head Recurring-A, it should be ensured that not more than Rs. 15 lakh each should be spent for travel and contingency.

8. As per rule XII of GFR, the accounts of project shall be open to inspection by sanctioning authority/audit whenever the institute is called upon to do so.

9. The sanctioned equipment would be procured as per GFR and its disposal of the same would be done with prior approval of SERB.

10. The release amount of Rs. 16,00,000/- (Rupees sixteen Lakh Eighty Thousand only) will be drawn by the Finance & Budget Officer of the SERB and will be disbursed by means of RTGS transaction as per their Bank details given below:

Account Name	DAYANANDA SAGAR UNIVERSITY RESEARCH ACCOUNT
Account Number	141101011005212
Bank Name & Branch	VIJAYA BANK SHAVIGE MALLESHWARA HILLS, KUMARASWAMY LAYOUT, BANGALORE-560078
IFSC/RTGS Code	VIJB0001411
Email id of A/C Holder	cto@dsu.edu.in
Email id of PI	ashok-chem@dsu.edu.in

11. The institute will furnish to the SERB, New Delhi, separate Utilization certificate(UCs) financial year wise to the SERB for Recurring (Grants-in-aid General) & Non-Recurring (Grants for creation of capital assets) and an audited statement of accounts pertaining to the grant immediately after the end of each financial year.

12. The institute will maintain separate audited accounts for the project. A part or whole of the grant must be kept in an interest earning bank account which is to be reported to SERB. The interest thus earned will be treated as credit to the institute to be adjusted towards further installment of the grant.

13. The project File no. ECR/2017/000743 may also be mentioned in all research communications arising from the above project with due acknowledgement of SERB.

14. The manpower sanctioned in the project, if any is co-terminus with the duration of the project and SERB will have no liability to meet the fellowship and salary of supporting staff if any, beyond the duration of the project.

15. As this is the first grant being released for the project, no previous I/C is required.

16. The Institute may refund any unspent balance to SERB by means of a Demand Draft favoring "FUND FOR SCIENCE AND ENGINEERING RESEARCH" payable at New Delhi.

17. The organization/institute/university should ensure that the technical support/financial assistance provided to them by the Science & Engineering Research Board, a statutory body of the Department of Science & Technology (DST), Government of India should invariably be highlighted/ acknowledged in their media releases as well as in bold letters in the opening paragraphs of their Annual Report.

18. In addition, the investigator/host institute must also acknowledge the support provided to them in all publications, patents and any other output emanating out of the project/program funded by the Science & Engineering Research Board, a statutory body of Department of Science & Technology (DST), Government of India.

(Dr. S. V. Prasanna)
Scientist
prasanna@serb.gov.in

To,
Finance & Budget Officer
SERB, New Delhi

Copy forwarded for information and necessary action to:-

1.	The Principal Director of Audit, A.G.C.R. Building, 3rd Floor I.P. Estate, Delhi-110002
2.	Sanction Folder, SERB, New Delhi.
3.	File Copy



Dr. Vinod Kumar C from the Physiotherapy Department was honoured with award by NASOW 2018 for his Continual Quality Improvement in Physiotherapy Practise.

S. G. Shaila · A. Vadivel

Textual and Visual Information Retrieval using Query Refinement and Pattern Analysis



Springer

S. G. Shaila · A. Vadivel

Textual and Visual Information Retrieval using Query Refinement and Pattern Analysis

S. G. Shaila
Department of Computer Science
and Engineering
Dayananda Sagar University
Bangalore, India

A. Vadivel
Department of Computer Science
and Engineering
SRM University AP
Amaravati, Andhra Pradesh, India

ISBN 978-981-13-2558-8 ISBN 978-981-13-2559-5 (eBook)
<https://doi.org/10.1007/978-981-13-2559-5>

Library of Congress Control Number: 2018955166

© Springer Nature Singapore Pte Ltd. 2018

This work is subject to copyright. All rights are reserved by the Publisher, whether the whole or part of the material is concerned, specifically the rights of translation, reprinting, reuse of illustrations, recitation, broadcasting, reproduction on microfilms or in any other physical way, and transmission or information storage and retrieval, electronic adaptation, computer software, or by similar or dissimilar methodology now known or hereafter developed.

The use of general descriptive names, registered names, trademarks, service marks, etc. in this publication does not imply, even in the absence of a specific statement, that such names are exempt from the relevant protective laws and regulations and therefore free for general use.

The publisher, the authors and the editors are safe to assume that the advice and information in this book are believed to be true and accurate at the date of publication. Neither the publisher nor the authors or the editors give a warranty, express or implied, with respect to the material contained herein or for any errors or omissions that may have been made. The publisher remains neutral with regard to jurisdictional claims in published maps and institutional affiliations.

This Springer imprint is published by the registered company Springer Nature Singapore Pte Ltd. The registered company address is: 152 Beach Road, #21-01/04 Gateway East, Singapore 189721, Singapore



RTEICT-2017

**2nd IEEE International Conference
on
Recent Trends in Electronics,
Information & Communication Technology**

19 - 20 May 2017



PROCEEDINGS

**Organised by
Department of Electronics and
Communication Engineering
(Accredited by NBA)**

ISBN : 978-1-5090-3704-9



Accredited by NBA* & ISO 9001 : 2008 Certified
**Sri Venkateshwara
College of Engineering**

POPULARLY KNOWN AS **SVCE** BENGALURU

“Engineering College of the Year-2016” (by Higher Education Review)

(Permanently Affiliated to VTU, Belagavi & Approved by AICTE, New Delhi), Accredited by NBA, An ISO 9001: 2008 Certified Institute
Vidyanagar, Kempegowda International Airport Road, Bengaluru – 562 157
Ph: 080 - 32022690 | Helpline: +91 99167 75988 | Website: www.svcengg.com

✓ Abstract [HTML](#)

☐ **An automated classroom attendance system using video based face recognition**

Anshun Raghuwanshi; Preeti D Swami

Publication Year: 2017 , Page(s): 719 - 724

Cited by: [Papers \(21\)](#)

✓ Abstract [HTML](#)

☐ **Skyhook control for active suspension system with a novel variable damper**

Vaibhav S. Payghan; P. D. Shendge; Ramakant M. Yerge; S. B. Phadke

Publication Year: 2017 , Page(s): 725 - 729

Cited by: [Papers \(3\)](#)

✓ Abstract [HTML](#)

☐ **An efficient content based image retrieval based on speeded up robust features (SURF) with optimization technique**

Prinka; Vikas Wasson

Publication Year: 2017 , Page(s): 730 - 735

Cited by: [Papers \(3\)](#)

✓ Abstract [HTML](#)

☐ **Dynamic error control scheme based on channel characteristics in wireless sensor networks**

Mallanagouda Patil; Rajashekhar C. Biradar

Publication Year: 2017 , Page(s): 736 - 741

Cited by: [Papers \(4\)](#)

✓ Abstract [HTML](#)



	Architecture For Subband Coding Applications Using FPGA	
127	Use of Origami in Space Science and Various Other Fields of Science	628-632
128	Power Quality Enhancement In Smart Grid By Synchronizing Spwm Inverter And Lc Filter	633-637
129	Simulation Analysis of GLRT and Eigenvalue Based Methods for Cognitive Radio	638-641
130	Evaluation and Validation of Problem Solving and Thinking Skills Based on Student Academic Performance	642-646
131	Comparative Study on Attribute-Based Encryption for Health Records in Cloud Storage	647-652
132	Near Field Communication Based System for Health Monitoring	653-657
133	On The Development of Moving Object Detection from Traditional to Fuzzy Based Techniques	658-661
134	Time Series Modelling for Lifetime Estimation of Solid State Luminaires	662-666
135	1D Direction of Arrival estimation using Root-MUSIC and ESPRIT for dense uniform linear arrays -At the millimeter wave band	667-672
136	Outage Performance Analysis of Pulse-shaped Multicarrier Waveform for 5G in Frequency-Selective Fading Environments	673-678
137	An Improved Watershed Segmentation by Flooding and Pruning Algorithm for Assessment of Diabetic Wound Healing	679-683
138	Color Image Enhancement Using Metamer Mismatch Through Profile Mapping	684-688
139	Image Synthesis using Convolutional Neural Network	689-691
140	Vehicle Classification Using Compressive Sensing	692-696
141	An Effective Method for Preventing SQL Injection Attack and Session Hijacking	697-701
142	Aircraft Corrosion Sensor	702-705
143	E-Shield: Detection and Prevention of Website Attacks	706-710
144	Fully Pipelined and Hardware Efficient Architecture to improve Peak Signal to Noise Ratio for Real-Time Demosaicking	711-718
145	An Automated Classroom Attendance System Using Video Based Face Recognition	719-724
146	Skyhook control for active suspension system with a novel variable damper	725-729
147	An efficient Content Based Image Retrieval Based on Speeded up Robust Features (SURF) with Optimization Technique	730-735
148	Dynamic Error Control Scheme based on Channel Characteristics in Wireless Sensor Networks	736-741
149	Heart Disease Monitoring System Using Contact Measure of Stability Index	742-745
150	Wi-Fi Surveillance Bot with Real Time Audio & Video Streaming Through Android Mobile	746-750
151	Object Tracking Using Block Motion Estimation With Adaptive Kalman Estimates	751-754
152	Control Schemes of Grid-Connected Converters with Synchronous Power Controller for Renewable Power Generation	755-759
153	Design and Simulation of Hybrid Circuits for RF Power Amplifiers Used in LTE Base Stations	760-763
154	Cyber Security – IoT	764-767
155	A Comparison between Extrinsic and Intrinsic Technique for Multi-Document Text Summarization	768-772
156	A Knowledge based Approach for Long Answer Evaluation	773-777
157	Design of Low Power Hamming Code Encoding, Decoding and Correcting Circuits using Reversible Logic	778-781
158	Testing and Validation of UART using Cloud based GUI	782-786

Finite element analysis of mild steel - rubber sandwich composite material

Y P Ravitej¹, Swaroop V₂, Ramesh S₃, Adarsha H₄, Veerachari₅, Nischith₆

Assistant Professor, Dept. of mechanical engineering, DSU, Bangalore
Assistant Professor, Dept. of mechanical engineering, SVCE, Bangalore
Assistant Professor, Dept. of mechanical engineering, JAIN UNIVERSITY, Bangalore
Professor, Dept. of mechanical engineering, JAIN UNIVERSITY, Bangalore
Lecturer, Dept. of mechanical engineering, DSU, Bangalore.
Lecturer, Department of physics, DSU, Bangalore.

Email: ravitejmttech@gmail.com, swaroop.phestar@gmail.com, shankaranarayanrame
sh@gmail.com, adarsha.85@gmail.com, veeracharim@gmail.com

Abstract. Composites are widely used in many industrial applications including civil engineering, automotive, marine, aviation, etc. Major applications of composites are its strength to weight ratio. The sandwich composites are multilayered materials made by bonding stiffness, high strength skin facings to low density core material. The main benefits of using the sandwich concept in structural components are the high stiffness and low weight ratios. These structures can carry in-plane and out-of-plane loads and exhibit good stability under compression, keeping excellent strength to weight and stiffness to weight characteristics. In the present paper, the properties of mild steel - rubber sandwich specimens with varying core thickness were evaluated using a three point bending test in ANSYS and the results were correlated and analyzed.

1. INTRODUCTION

Among wide variety of composite structure available, sandwich laminates play an important role in industries as the cost of fabrication can be reduced by using sandwich structures. A typical such material which find a lot of application recently is mild steel sandwiched between rubber layers forming fiber metal laminates (FML). It is observed to have excellent qualities such as overall reduced weight, corrosion resistance and environment friendliness. The fiber/metal composite technology combines the advantages of metallic materials and fiber reinforced matrix systems. Metals are isotropic because they have a high bearing strength and impact resistance and are easy to repair. Full composites have an excellent fatigue characteristic and have high strength and stiffness. The fatigue and corrosion characteristics of metals and the low bearing strength, impact resistance and reparability of composites have overcome by the combination of metal and fibers. These material systems are created by bonding composite laminate plies to metal plies.



INTERNATIONAL CONFERENCE

Certificate Of Appreciation

This is to certify that

Mr/Ms Dr. Rochi Koushhal Khan. S. -

participated and presented a paper titled

Spiritual Intelligence and Work Engagement -
A Relationship Study -

won best paper award in the International Conference on
'Sustaining a Competitive Edge in the Changing Global
Scenario : Challenges, Practices, and Innovations" organized
by the Department of Commerce, CHRIST (Deemed to be
University) in collaboration with IMA® (Institute of
Management Accountants), USA
on 6-7 February, 2018



Dr Thresa Nithila Vincent
Head,
Department of Commerce,
CHRIST(Deemed to be University),
India



Dr Kip R. Krumwiede
Director of Research
IMA,USA



Dr Tomy K Kallarakal
Associate Dean,
Deanery Of Commerce,
CHRIST(Deemed to be University),
India



Lecture Notes in Mechanical Engineering

Damodar Maity
Pradeep G. Siddheshwar
Sunanda Saha *Editors*

Advances in Fluid Mechanics and Solid Mechanics

Proceedings of the 63rd Congress
of ISTAM 2018

 Springer



Prof. Dr. Pradeep G. Siddheshwar F.I.M.A (U.K.), F.N.A.Sc., is Professor in the Department of Mathematics and Director Planning, Monitoring and Evaluation Board Bangalore University. He has 35 years of teaching experience and nearly 40 years of research experience. He has guided 24 students for their Ph.D. degree. He has over 150 research papers in international journals of repute. He has 2237 google scholar citations, h-index of 28 and i10-index of 60. He was President of the Indian Society of Theoretical and Applied Mechanics, IIT, Kharagpur. He has visited over 30 countries on research assignments. He is a recipient of the Royal Society Incoming Fellowship, London, William Mong Fellowship, Hong Kong and a number of other Fellowships.



Dr. Sunanda Saha is currently Assistant Professor in the Department of Mathematics, Dayananda Sagar University, Bangalore. After graduating from IIT Madras in Mathematics she obtained her Ph.D. from IIT Guwahati in the area of water wave theory. She has published several research papers in reputed international journals. Her research interests include shallow water wave theory, flow in porous media, special functions, integral transform and cardiovascular modelling and simulations. She has received early career research grant for 3 years from SERB-DST and for 1 year from VGST for working on “Mathematical modelling and numerical simulation of blood flow in arteries”. She was the convener of the 62nd International Conference of ISTAM held in 2018 at Dayananda Sagar University. She is the Vice-President for The Indian Society of Theoretical and Applied Mechanics, IIT Kharagpur, for the year 2019.

2nd International Conference on Current Trends in
Global Business Practices and Management Education

Certificate of Appreciation

This is to certify that

Dr. Anupama Goshal

has Won the Best Research Paper Award for the Article Presented at the 2nd
International Conference organized by ISBR & AIMS on 7th April, 2018


Convener
Dr. Gayathri K M



Karnataka Science and Technology Promotion Society (KSTePS)

Dept. of Information Technology, Bio Technology and Science & Technology, Govt.
"Vijnana Bhavana", 3rd Floor, #24/2, 21st Main Road, Banashankari 2nd Stage, Bangalore-70
Ph/fax : 080-26711166, E-mail : ksteps.dst@gmail.com

Dr. H. Hanne Gowda
Special Director (Technical),
Dept. of IT, BT and S&T/
Managing Director, KSTePS

(9)

No. KSTePS/VGST-KFIST (L1)/2017 / 267

Date: 21.11.2017

Dear Sir,

Sub.: Intimation of selection of the project under the VGST scheme of KFIST
Level (1) – reg.

**Greetings from the Dept. of Information Technology, Biotechnology and
Science & Technology!!**

We are pleased to inform you that the project titled **"Immobilized microbial consortium for pesticide bioremediation in Ginger cultivated soils of Karnataka"** submitted under the VGST scheme of KFIST Level (1) for the financial year 2016-'17 has been approved by the Government based on the recommendations of Vision Group on Science and Technology under the Chairmanship of Prof. CNR Rao, Honorary President, JNCASR.

The total project grant award for a period of 2 years is Rs. 20.00 lakhs, which will be released annually @ Rs. 10.00 lakhs based on the progress of work. Your requested to take an immediate action to initiate the project at the earliest and to be completed within 2 years after receiving the cheque of 1st installment from our office.

The grant will be paid to the Head of the Institution, under whose supervision the Principal Investigator shall be responsible for completion of the stated objectives of the project. The Principal Investigator through the Institution Head shall have to submit the progress report in soft copy (word & pdf) once in 6 months without any fail. The grants shall be used only for the purposes described in the grant-application by following due procedures of KTPP Act. Any deviation from the scheduled plan must have a prior approval from the VGST. A sample copy of the Utilization Certificate is enclosed for information and necessary action in the future.

Future releases of grants will be based on satisfactory project performance. The funding agency has the right to terminate the project, if it is found to be not

satisfactorily pursuing and fulfilling the stated project goals and objectives. Any unspent balance must be returned back to the funding agency within 60 days following the conclusion of the project. Any publications or other dissemination arising from research supported by VGST grants should be acknowledged.

Dr. S. G. Sreekanteswara Swamy, Consultant, VGST will be the nodal officer for all future correspondences related to the project. His contact details are given below:

Vision Group on Science and Technology

Dept. of IT, BT and S&T, Karnataka Government Secretariat,

Room No. 702, 7th Floor, 4th Gate,

M.S. Building, Dr. Ambedkar Veedhi,

Bangalore - 560001.

Phone : 080-2203 2013

Email : visiongroup.st@gmail.com

Website : www.vgst.in

I want to personally thank you for being selected as one of the VGST program members and we wish you and the Principal Investigator a great success in the implementation of the project.

Thanking you

Yours sincerely,



(H. Honne Gowda)

To,
The Principal
Dayananda Sagar College of Engineering
Shavige Malleshwara Hills,
Kumaraswamy Layout, Bengaluru, Karnataka 560078

BI- BODSV

CC:
Dr. Shobha K Jayanna, Program Coordinator, Dept. of Microbiology, Dayananda Sagar College of Engineering, Shavige Malleshwara Hills, Kumaraswamy Layout, Bengaluru.



Karnataka Science and Technology Promotion Society

Dept. of Information Technology, Bio Technology and Science & Technology, GoK
"Vijnana Bhavan", 3rd Floor, #24/2, 21st Main Road, Banashankari 2nd Stage, Bangalore-70
Ph/fax : 080-26711166, E-mail : ksteps.dst@gmail.com

Dr. H. Honne Gowda
Special Director (Technical),
Dept. of IT, BT and S&T/ Managing director, KSTePS

No. KSTePS/VGST-RGS/F/GRD No.736 /2017-18

Date: 27.08.2018

Dear Sir/Madam,

Sub: Intimation of selection of RGS/F Project under the VGST scheme -reg.

Greetings from KSTePS, Dept. of Information Technology, Biotechnology and Science and Technology!!

We are pleased to inform you that the RGS/F Engineering program titled "Design and Development of an IoT based "Profiling Aquatic Diffusion system" using Robotic Sensor networks" submitted under the VGST scheme for the Financial Year 2017-18 has been approved by the Government based on the recommendations of Vision Group on Science and Technology under the Chairmanship of Prof. CNR Rao, Honorary President, JNCASR. You may kindly initiate necessary action for organization of the program at the earliest.

Please provide the cheque in favour address of your Institution, for releasing the sanctioned grants.

I want to personally thank you for being selected as one of the VGST program members and we wish you a great success in organization of the program.

Thanking You,

Yours sincerely,


Managing Director

To,
The Registrar
Dayananda Sagar University
Hosur Main Road, Kudlu Gate
Hongasandra Village, Begur Hobli
Bengaluru - 560 068

CC: 1. Dr. Pushpa Mala. S., Dept. of Electronics Engg. Dayananda Sagar University, Hosur Main Road Kudlu Gate, Hongasandra Village, Begur Hobli, Bengaluru - 560 068 - RGS/F Grantee.

2. Consultant, Vision Group on Science and Technology, KSTePS, Dept. of IT, BT and S&T
Karnataka Government Secretariat, Room No. 702, 7th Floor, 4th Gate, M. S. Building
Dr. Ambedkar Veedhi, Bangalore- 560 001.

Conference Call

Trans-Mediterranean Colloquium on Heterocyclic Chemistry

by Saverio Florio and Anouar Alami

The IX Trans-Mediterranean Colloquium on Heterocyclic Chemistry (TRAMECH IX) was held from 22-25 November 2017 in Fes (Morocco), which had been the capital city of modern Morocco until 1925 and now capital of the Fès-Meknès administrative region. The city has two old Medina quarters, and is listed as a World Heritage Site. The University of Al Quaraouiyine, founded in 859, is the oldest university in the world. The city has been called the "Mecca of the West" and the "Athens of Africa."

The Fes meeting was particularly successful both from the scientific point of view and as a social and friendly gathering thanks to the excellent work of the local organizers who were able to create a friendly atmosphere around the participants.

The TRAMECH IX meeting was attended by 258 participants from 30 Countries and 53 Universities and research Centers, including 8 Moroccan Universities. The opening conference was given by Professor Ei-ichi Negishi (Nobel Prize Winner for Chemistry in 2010). The scientific program included also 16 plenary lectures, 12 invited lectures, 27 short talks and 193 poster presentations. Two short talks and two posters were awarded with a certificate.

The chemistry presented by speakers at TRAMECH IX involved developed and underdeveloped countries, and focused on the synthesis, reactivity, and applications of heterocyclic compounds of interest in the fields of medicinal chemistry, new materials, green chemistry, bioorganic chemistry, medicinal chemistry, pharmacology, structural and materials sciences, environmental chemistry, nanotechnologies, and biotechnologies by using innovative methodologies. During the meeting, there were pertinent discussions that sometimes continued at the coffee breaks with the participation of young people. Live discussions took place at the crowded poster sessions.

The IUPAC support was bestowed in order to facilitate interactions and collaborations among the countries of the Mediterranean area through meetings, conferences, and exchanges between researchers and various stages of young people in advanced laboratories for their PhD studies and research training. The conference lived up to expectations due to a large number of attendees, high level of speakers, and good quality of presented results. Moreover, one could

observe moments of socialization among participants.

At the end of the TRAMECH IX there was a discussion about the location of the TRAMECH X meeting in 2019. Several countries were proposed, including Monastir (Tunisia), Nilehavre (France), Hurghada (Egypt), and some cities of Spain. The definitive selection will be made as soon as possible by the International Scientific Committee (ISC) so that the interested countries can be informed.

Again, the involvement of very distinguished speakers will be pursued and the participation of young, motivated people will be facilitated. IUPAC will provide financial support within the project 2015-027-1-300. As in the Rabat, Antalya, and Fes meetings, the interactions among participants are expected to promote scientific collaborations and give young people the chance for research experience in well-established laboratories, either as PhD students or as visiting researchers.

Saverio Florio <saverio.florio@uniba.it> is Chair of the International Scientific Committee for TRAMECH IX. **Anouar Alami** is the Chair of the Local Organizing Committee.

Potential Impact of Pesticides on Environment and Human Health

by Sreenivasa Rao Amaraneni

Pesticides are routinely used in agriculture throughout the world to kill pests and to increase food production. They are also used for domestic, forestry, and public health purposes. India is one of the largest manufacturers of pesticides and consumption is increasing every year. Indiscriminate use of pesticides doesn't just kill the targeted pests; it also affects non-target organisms and the environment including water, soil, air, and plants and it leads to the contamination of food, such as vegetables, fruits, fish, prawns, and more.

Humans are exposed to pesticides via the food chain throughout the world. Some recent research suggests that the presence of pesticides can be detected, not only in the environment, but also in human milk, tissues, and blood. This is evidence of the magnitude of pesticides' impact on the environment and human health. Pesticide exposure has been linked to diseases, such as cancer, as well as to neurotoxicity and neurodegenerative disorders. The principle neurotoxicity after exposure to pesticides is presumed to result from protein interaction with pesticides: for example

organophosphorous pesticides inhibit acetylcholineEsterase (AChE) via the formation of a covalent protein adduct to pesticides.

The International Conference on Potential Impact of Pesticides on Environment and Human Health (ICPIPEHH 2017) was organized in Bangalore from 2-4 November 2017. The conference was sponsored and promoted by the German Academic Exchange Service (DAAD) with funds from the Federal Ministry for Economic Cooperation and Development (BMZ), from the Royal Society of Chemistry (RSC) in the UK, and by the Department of Science and Technology (DST), the Indian National Science Academy (INSA), Dayananda Sagar University (DSU) and Braquachems in India. The Conference was endorsed by IUPAC.

The main objective of the conference was to bring together domain experts from within India and abroad, including policy makers, to deliberate on the state of the art on the impact of pesticides on human health and environment and also to discuss future trends and actions. The conference discussed how pesticides and other chemicals affect non-target organisms, including humans, fish, prawns, etc, through the interactions of pesticides with biomolecules, proteins, and DNA, as well as the associated link to diseases. The conference addressed biotechnological, nanotechnological, biopesticides, and environmental biotechnology methods to avoid the impact of pesticides on the environment and to find remedies for pesticide pollution.

The inaugural ceremony was attended by over 200 scientists, faculty, and students. The conference was inaugurated by the eminent personality Dr. K.K. Narayanan, Founder of Metahelix Life Science Limited and Former President of ABLE. Prof. A. Srenivas, Dean of School of Engineering, DSU, welcomed the guests and delegates to the conference. Prof. A.N. Murthy, Vice Chancellor, DSU, delivered the presidential address. Dr. Sreenivasa Rao Amaraneni, Associate Professor, Department of Chemistry, DSU and the convener of the conference, gave a brief introduction. A vote of thanks was proposed by Prof. Anand Soloman, Chairman of Chemistry, DSU.

Prof Hugh D. Burrows, Editor of *Pure and Applied Chemistry (PAC)*, sent a message wishing success for the conference and has agreed to publish the selected papers of the conference in *PAC* after a formal peer review.

The conference, owing to its high quality in the form of research papers, as well as plenary and invited talks, attracted the attention of academicians, scientists, research scholars, and students. The delegates included

professors from Germany, UK, and Thailand, as well as from reputed institutes in India. The conference received 100 abstracts from delegates representing reputed institutes abroad and in India. The conference created an interdisciplinary platform for researchers to address the issues relating environmental pollution and its effect on environment and human health. The conference programme spanned 3 days, with 2 plenary talks, 10 invited talks, 42 oral presentations, and 40 poster presentations.

Prof. Gerrit Schiirmann, Helmholtz Centre for Environmental Research, Leipzig, Germany and Technical University Bergakademie Freiberg, Germany delivered the plenary talk on the first day of the conference: Predictive Assessment of the Human and Environmental Toxicity of Chemical Substances. Plenary speaker Prof. Wayne G. Carter, School of Medicine, University of Nottingham, presented research work on the detection and utilization of secondary pesticide targets as biomarkers of pesticide exposures.

Prof. E. Arunan, Indian Institute of Science (IISc) gave a brief introduction to IUPAC on the last day of the conference. Papers were chosen for the best oral and poster presentations. Most of the invited speakers were from reputed institutes in India. One of the highlights of the conference was a spectacular and graceful 'Kathak" Dance performance by Vid. Poorna Acharya and her Disciples, followed by a banquet dinner.

Owing to the elaborate preparations both in terms of quality papers and technical sessions, the ICPIPEHH-2017 conference established itself as a high-standard forum for the dissemination of high-quality interdisciplinary research on all aspects of the impact of pesticides on the environment and human health. The conferences was effective at fostering the exchange of ideas.

The following key themes of the conference are broadly related to the environment and human health and any interdisciplinary research work:

- Pesticide pollution, water, soil and air pollution,
- Environmental contamination, control, prevention, analytical & environmental chemistry and environmental science
- Emerging pollutants and methods of analysis
- Chemicals interaction with bio-molecules, proteins, and DNA, and also neurotoxicity and toxicology
- Biotechnology and environmental biotechnology, nanotechnology, biopesticides and phytochemistry.
- Human health effects of water quality, etc.

Conference presenters included the following:

- Prof Wayne Carter, Nottingham University, UK
- Prof. Dr. Gerrit Schüürmann, Head HCER,UFZ, Germany
- Dr. D. Ramaiah, Director, CSIR-NEIST, Jorhat, Assam
- Dr. Rao V. Jayathirtha, IICT, Hyderabad
- Dr. Mohan S. Venkat, IICT, Hyderabad
- Prof. S. Gourinath, JNU, New Delhi
- Dr. Madava Sharma, IICT, Hyderabad,
- Dr. M. Chandraseharan, IICT, Hyderabad
- Prof. P. K. Joshi, JNU, New Delhi
- Prof. D. E. Babu, Andhra University, Visakhapatnam
- Prof. G. R. Naidu, SVU, Tirupathi
- Prof. Vibha Tandon, JNU, NEW Delhi
- Prof. A. L. Ramanathan, JNU, New Delhi
- Prof. P. Rajendra Prasad, Andhra University, Visakhapatnam
- Dr. G. Parthasarathi, NGRI, Hyderabad
- Dr. I. Gurappa, DMRL, Hyderabad
- Prof. K. Sreeramulu, Gulberga University, Gulberga
- Dr. Surender Singh, Scientist, IARI, New Delhi
- Dr. Suresth Yadav, Scientist, ICMR, Ahmedabad
- Prof. M. Pandurangappa, Bangalore University, Bengaluru
- Prof. Rajendra, Former VC, SVU, Tirupathi
- Prof. S. V. Krishna Murthy, Kuvepu University
- Dr. T. N. V. Rao, CEO, Aquamark, Bengaluru
- Dr. K. N. Rao Aurigene, Reddy Laboratories, Bengaluru

In conclusion, the conference provided the right platform to discuss the impact of environmental pollution, including pesticides and more, on the environment and human health. The conference also deliberated on remedial methods and technology for reducing environmental pollution and its effect on the environment. These efforts could protect the environment for the well-being of human beings in the years to come.

The convener would like to thank all the funding agencies for their financial support and encouragement. The untiring support of the management of Dayananda Sagar University (DSU) resulted in a successful, high quality conference. Special Thanks to Prof. A.N. Murthy, Vice Chancellor, and Prof. A. Srinivas, Dean of the School of Engineering of DSU as well as the other administrators there.

The organizing committee, faculty and student volunteers of DSU offered timely help and

encouragement. Without the support and contributions of the plenary and invited speakers and the delegates of the conference, it could not have been successful.

The conference has allowed for the development of a very good network in terms of experts, resources, and researchers, both from within India and abroad. The exposure and experience gained through the conference organization has created the motivation to organize the conference in the years to come, with the support of research labs and organizations of national and international importance.

Sreenivasa Rao Amaraneni sramaraneni@yahoo.com is Associate Professor in Dept. of Chemistry, School of Engineering, Dayananda Sagar University.

Croatian Meeting of Chemists and Chemical Engineers

Ana Šantić, D. Kovačević and Marijana Đaković

The 25th Croatian Meeting of Chemists and Chemical Engineers with international participation (25HSKIKI), organized jointly by the Croatian Chemical Society and Croatian Society of Chemical Engineers, was held from 19-22 April 2017 in Valamar Diamant Hotel in Poreč, Croatia.

The Meeting was organized under the auspices of Ministry of Science and Education and Ministry of Environment and Energy of the Republic of Croatia, University of Zagreb, Croatian Engineering Association, and Croatian Chamber of Economy. For the first time, the Meeting was endorsed by IUPAC and supported by more than 20 chemical and pharmaceutical companies.

25HSKIKI in numbers

25HSKIKI gathered more than 400 scientists, researchers, and university and school teachers working in various fields of chemistry from 21 countries all around the world. The scientific programme covered all domains in chemistry through nine thematic sessions: Analytical and Structural Chemistry, Medicinal Chemistry and Biochemistry, Physical, Theoretical and Computational Chemistry, Synthesis and Catalysis, Supramolecular Chemistry, Chemical and Biochemical Engineering, Materials, Environment, and Education. The scientific highlights of the meeting included seven cutting-edge plenary lectures by internationally renowned chemists and 27 invited lectures on various current topics in chemistry. In addition, 40 oral contributions and almost 180 posters were presented and discussed at the meeting.



Karnataka Science and Technology Promotion Society (KSTePS)

Dept. of Information Technology, Bio Technology and Science & Technology, GoK

"Vijnana Bhavana", 3rd Floor, #24/2, 21st Main Road, Banashankari 2nd Stage, Bangalore-70

Ph/fax : 080-26711166, E-mail : ksteps.dst@gmail.com

No. KSTePS/VGST-ARP/2016-'17 /266

Date: 21.11.2017

Dear Dr. Pradipta Banerjee,

Sub.: Intimation of selection of the Award for Research Publication (ARP) under the VGST scheme- reg.

Greetings from the Dept. of Information Technology, Biotechnology and Science & Technology!!

We are pleased to inform you that you have been awarded for the research publications submitted under the VGST scheme of ARP for the financial year 2016-'17 based on the recommendations of Vision Group on Science and Technology under the Chairmanship of Prof. CNR Rao, Honorary President, JNCASR. We on behalf of Dept. of Science and Technology, Govt. of Karnataka would like to wish you hearty congratulation on receiving the award for the same.

Dr. S. G. Sreekanteswara Swamy, Consultant, VGST will intimate the proposed date and place regarding the organization of the award function ceremony. His contact details are given below:

Vision Group on Science and Technology
Dept. of IT, BT and S&T, Karnataka Government Secretariat,
Room No. 702, 7th Floor, 4th Gate,
M.S. Building, Dr. Ambedkar Veedhi,
Bangalore – 560001.

Phone : 080-2203 2013

Email : visiongroup.st@gmail.com

Website : www.vgst.in

We once again wish you hearty congratulations and may you always be successful in your future endeavors.

Thanking you

Yours sincerely,


(H. Honne Gowda)

To,
Dr. Pradipta Banerjee,
Dept. of Basic and Applied Sciences,
Dayananda Sagar University, Building 7,
School of Basic and Applied Sciences,
Shavige Malleshwara Hills,
Kumaraswamy Layout, Bengaluru – 560 078.

CC:

The Principal
Dayananda Sagar University,
Building 7, school of Basic and Applied Sciences,
Shavige Malleshwara Hills, Kumaraswamy Layout,
Bengaluru – 560 078.



DR. BARUCH S. BLUMBERG
Young Scientist Award

Presented to

DR. SUSWETA DAS

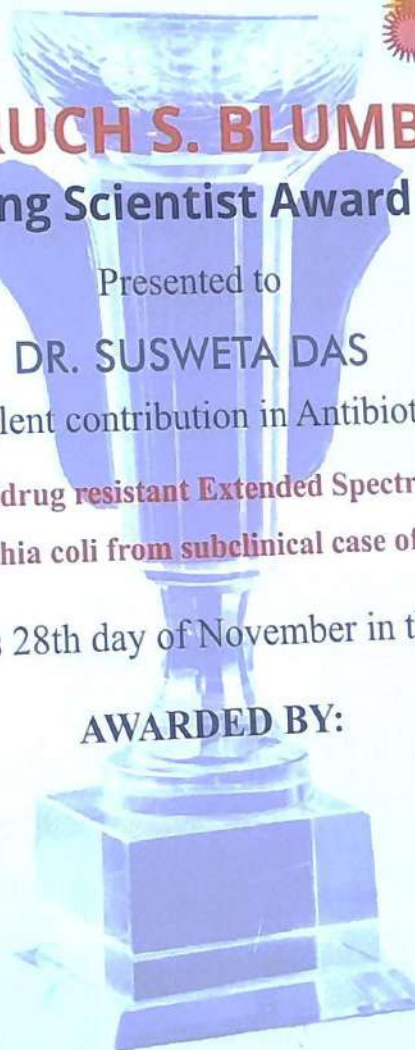
In recognition of her excellent contribution in Antibiotic Resistance Research on
Genome plasticity of a multidrug resistant Extended Spectrum beta lactamase (ESBL)
positive Escherichia coli from subclinical case of bovine mastitis

Given on this 28th day of November in the year 2018

AWARDED BY:

Dr. V.P. Rao
Convener

World Congress on Infectious Diseases
& Antibiotics - 2018



Lt. Gen. Dr. D. Raghunath
Chairman,
World Congress on Infectious Diseases
& Antibiotics - 2018

certificate

The Lucknow Management Association awarded the Dean, Prof. Capt. Nagaraj Subbarao, the 2nd Runner-Up for the Business Case Study writing contest conducted during July-Sep'18 at IIM Lucknow.



certificate



Nagaraj

Prof. Capt. Nagaraj Subbarao
Dean - SCMS (PGPM)
Dayananda Sagar University
Innovation Campus



certificate

Award of outstanding Case-Study:

Case In Point - Case Study Competition

Honor date: Nov 12 2018 honor issuer IIM-L, Lucknow and Lucknow Management Association

Dayananda Sagar University, represented by Prof. A.Nagaraj Subbarao, Dean - CEE, was one of the finalists of the "Case-in-Point Business Case writing" contest organized by Lucknow Management Association (LMA) at MDP Centre, IIM-Lucknow.

The above contest was organized by Lucknow Management Association (LMA) in collaboration with NHRDN, IIM- L, Lucknow, NTPC and SBI in which numerous case studies were received from several business schools teams and corporate, including the IIM's, the IIT's and XLRI - Jamshedpur. A five members Jury selected 10 finalist's teams from the case studies registered and received who were invited to present their case at IIM-L, Lucknow.

The Jury of the final session consisted of two leading entrepreneurs of Lucknow, Mr. Kiron Chopra & Mr. Vinamra Agarwal and two faculty members of IIM-Lucknow, Prof. Sanjeev Kapoor and Prof. Tripti Singh.

The Jury selected three eventual finalists and winners - a team of IIM-L, Lucknow the team from IIT-Madras. Dayananda Sagar University was represented by Prof. (CAPT) A. Nagaraj Subbarao and his case; In High Spirits! Was in the area of the cultural aspect of mergers & acquisitions.

Certificates were awarded by the Chief Secretary to the Government of Uttar Pradesh, Mr Anup Chandra Pandey, who is also the President of the Lucknow Management Association.

Thanks & Warm Regards,

Prof. (CAPT) A. Nagaraj Subbarao

Dean-School of Commerce & Management Studies (PGP),
Innovation Campus,

Mobile: +91 9986321964

<http://www.dsu.edu.in>

First, make it work. Then make it beautiful!



Technology Factory

2nd International Scientist Awards on
Engineering, Science and Medicine
16 & 17-Nov-2019 | Visakhapatnam, India.

CERTIFICATE OF ACHIEVEMENT

This is to certify that

Ms. SHIVALEELA PAMPAPATI UPASHE

ASSOCIATE PROFESSOR AND HOD, DEPARTMENT OF PEDIATRIC NURSING,
COLLEGE OF NURSING SCIENCES, DAYANANDA SAGAR UNIVERSITY,
BENGALURU, KARNATAKA, INDIA.

Has Won

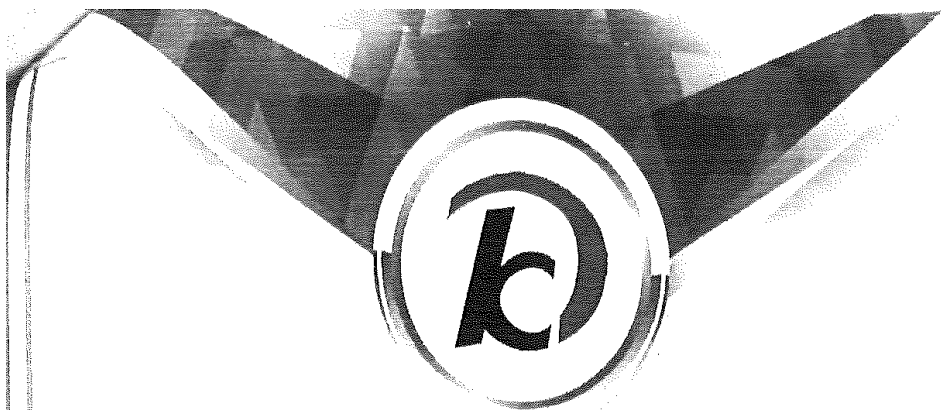
YOUNG SCIENTIST AWARD

In the 2nd International Scientist Awards on Engineering, Science and Medicine, held on 16 & 17-Nov-2019,
Visakhapatnam, India, Organized by VDGGOOD Professional Association.

Mr. M. Dinesh

Mr. M. Dinesh
Association Director





DI{ lqferqatioqal 'fieseaclz Fouqdatioq

(Approved by Government of India, Registration Number: BKIV-1 /2018)

(ISO 9001 : 2015 Certified & 12AA, BOG Approved)

Perambalur, Tamilnadu, India

'Prasenfr

DKIRF Achievement Awards - 2020

Con(cl'J'

AR Mahesh

Assistant Professor, Department of Pharmaceutical Chemistry. College
of Pharmaceutical Sciences, Dayananda Sagar University, Bengaluru

11.Mh the 7itfe

Excellence Teaching in Higher Education

On tho occasion of

4th International Web Conference on Emerging Trends in Arts,
Science, Engineering and Technology' (IWCETASET-2020) & Achievement
Awards Presentation on 26th June 2020

H .
Dr. M. Kathiravan
CAO/ DKIRF



Mr. C. Allhok Kumar
Chairman / DKIRF



CERTIFICATE OF EXCELLENCE

This certificate is Presented to

DR. DEEPIKA T.

FOR OUTSTANDING AND EXTRA - ORDINARY
ACHIEVEMENT IN HIS / HER CHOSEN FIELDS OF ACTIVITY
AND SERVICES RENDERED TO PROMOTE GREATER
FRIENDSHIP AND INDIA - INTERNATIONAL CO - OPERATION

RASHTRYA JEWEL AWARD
2020

9 February 2020

Date



Ravishankar

Signature

INDIAN INSTITUTE OF GLOBAL BROTHERHOOD

OUTSTANDING PERFORMANCE EXCELLENCE AWARD

FOR EDUCATIONAL EXCELLENCE

Presented to

DR. DEEPIKA T.

For Outstanding Individual Achievements
& Distinguished Services to the Nation

By

Ch. Randhir Singh

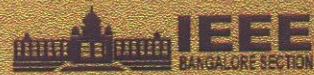
Hon'ble Former Governor of Sikkim
at a Seminar on

"ECONOMIC GROWTH AND NATIONAL UNITY"
FOR THE YEAR 2020

INDIAN INSTITUTE OF GLOBAL BROTHERHOOD

Ravish Wahi
Mr Ravish Wahi
General Secretary

**OUTSTANDING
PERFORMANCE
EXCELLENCE
AWARD**



Best Researcher Award 2020

IEEE Student Branch Level

Is presented to

Pushpa Mala S

Dayananda Sagar University-Bangalore

In grateful appreciation and distinguished
recognition of your Research Works & efforts towards
IEEE Bangalore Section

Mission #2020 Challenge

Mr. Puneet Kumar Mishra
Chair, IEEE Bangalore Section