

FILE NO. CRG/2019/007040
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: 19-Dec-2019

ORDER

Subject: Financial Sanction of the research project titled "A New archetype for development of Flexible Nano Hybrid Supercapacitor for large scale electric energy storage with high performance" under the guidance of Dr. Shilpa Chakra Chidurala, Center for Nano Science and Technology, Institute of Science and Technology, Jawaharlal nehru technological university hyderabad, Hyderabad, Telangana-500085 and by Dr. Himabindu V, Professor, Centre For Environment, Institute Of Science And Technology and by Dr. Murikinati Mamatha Kumari, Assistant Professor (Grade II), Materials Science And Nanotechnology, Yogi Vemana 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. 4184796/- (Rs. Forty One Lakh Eighty Four Thousand Seven Hundred and Ninety Six Only) with break-up of Rs. 1701000/- under Capital (Non-recurring) head and Rs. 2483796/- under General (Recurring) head for a duration of 36 months. The items of expenditure for which the total allocation of Rs. 4184796/- has been approved are given below:

S. No	Head	Total (in Rs.)
A	Non-recurring	
1	Equipment -> BET Analyser	1701000
A'	<i>Total (Non-Recurring)</i>	1701000
B	Recurring Items	
1	Recurring - I : (Manpower) Recurring - II : (Consumables, Travel, Contingencies) Recurring - III : Scientific Social Responsibility	1443360 600000 60000
2	Recurring - IV : (Overhead Charges)	380436
B'	<i>Total (Recurring)</i>	2483796
C	Total cost of the project (A' + B')	4184796

2. Sanction of the SERB is also accorded to the payment of Rs. 1701000/- (Rupees Seventeen Lakh One Thousand only) under 'Grants for creation of capital assets' and Rs. 868000/- (Rupees Eight Lakh Sixty Eight Thousand only) under 'Grants-in-aid General' to DIRECTOR, Institute Of Science And Technology, Jawaharlal Nehru Technological University Hyderabad being the first installment of the grant for the year 2019-2020 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 Core Research Grant. (PAC Physics-1 (Condensed Matter Physics and Material Sciences))

4. The Sanction has been issued to Institute Of Science And Technology, Jawaharlal Nehru Technological University Hyderabad with the approval of the competent authority under delegated powers on 18 December, 2019 and vide Diary No. SERB/F/7867/2019-2020 dated 19 December, 2019

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-II, it should be ensured that not more than Rs. 1.5 lakh each should be spent for travel and contingency.

8. Budget sanctioned under Scientific Social Responsibility (SSR) is meant only for activities enlisted under SSR norms and under no circumstances it can be reappropriated.

9. 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.

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

11. The release amount of Rs. 2569000/- (Rupees Twenty Five Lakh Sixty Nine Thousand only) will be drawn by the Under Secretary of the SERB and will be disbursed by means of RTGS transaction as per their Bank details

given below:

PFMS Unique Code	IST
Account Name	DIRECTOR IST R&D FELLOWSHIP
Account Number	52092255659
Bank Name & Branch	STATE BANK OF INDIA JNTUH CAMPUS, KUKATPALLY, HYDERABAD-500085, TELANGANA
IFSC/RTGS Code	SBIN0021008
Email id of A/C Holder	istdirectorjntuh@gmail.com
Email id of PI	shilpachakra.nano@jntuh.ac.in

12. The institute will furnish to the SERB, 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.

13. 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.

14. The project File no. CRG/2019/007040 may also be mentioned in all research communications arising from the above project with due acknowledgement of SERB.

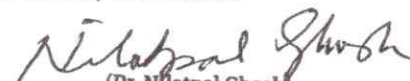
15. The manpower sanctioned in the project, if any is co-terminus with the duration of the project and SERB will have no liability to meet the fellowship and salary of supporting staff if any. beyond the duration of the project

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

17. 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.

18. The organization/institute/university should ensure that the technical support/financial assistance provided to them by the Science & Engineering Research Board should invariably be highlighted/acknowledged in their media releases as well as in bold letters in the opening paragraphs of their Annual Report.


19. 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.


(Dr. Nilotpal Ghosh)
MS
nilotpal@serb.gov.in

To,
Under Secretary
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.	Dr. ShilpaChakra Chidurala Center for Nano Science and Technology Institute of Science and Technology, Jawaharlal nehru technological university hyderabad, Hyderabad, Telangana-500085 Email: shilpachakra.nano@jntuh.ac.in Mobile: 917799438736 Dr. Himabindu V Centre For Environment Institute Of Science And Technology Dr. Murikinati Mamatha Kumari Materials Science And Nanotechnology Yogi Vemana 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 .)
5.	DIRECTOR, Institute Of Science And Technology, Jawaharlal Nehru Technological University Hyderabad (Receipt of Grant may be intimated by name to the undersigned)


(Dr. Nilotpal Ghosh)
MS

Article

Novel NiMgOH-rGO-Based Nanostructured Hybrids for Electrochemical Energy Storage Supercapacitor Applications: Effect of Reducing Agents

Konda Shireesha ¹, Thida Rakesh Kumar ¹, Tumarada Rajani ², Chidurala Shilpa Chakra ^{1,*},
Murikinati Mamatha Kumari ³, Velpula Divya ¹ and Kakarla Raghava Reddy ^{4,*}

¹ Center for Nano Science and Technology, Institute of Science and Technology, JNTU Hyderabad, Hyderabad 500090, India; shireeshakonda483@gmail.com (K.S.); rakhichinna4a8@gmail.com (T.R.K.); divya.velpula905@gmail.com (V.D.)

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Citation: Shireesha, K.; Kumar, T.R.; Rajani, T.; Chakra, C.S.; Kumari, M.M.; Divya, V.; Raghava Reddy, K. Novel NiMgOH-rGO-Based Nanostructured Hybrids for Electrochemical Energy Storage Supercapacitor Applications: Effect of Reducing Agents. *Crystals* **2021**, *11*, 1144. <https://doi.org/10.3390/cryst11091144>

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Abstract: This paper describes the synthesis and characterization of NiMgOH-rGO nanocomposites made using a chemical co-precipitation technique with various reducing agents (e.g., NaOH and NH₄OH) and reduced graphene oxide at 0.5, 1, and 1.5 percent by weight. UV-visible spectroscopy, Fourier-transform infrared spectroscopy, X-ray diffraction, a particle size analyzer, and cyclic voltammetry were used to characterize the composite materials. The formation of the NiMgOH-rGO nanocomposite with crystallite sizes in the range of 10–40 nm was inferred by X-ray diffraction patterns of materials, which suggested interlayers of Ni(OH)₂ and Mg(OH)₂. The interactions between the molecules were detected using Fourier-transform infrared spectroscopy, while optical properties were studied using UV-visible spectroscopy. A uniform average particle size distribution in the range of 1–100 nm was confirmed by the particle size analyzer. Using cyclic voltammetry and galvanostatic charge/discharge measurements in a 6 M KOH solution, the electrochemical execution of NiMgOH-rGO nanocomposites was investigated. At a 1 A/g current density, the NiMgOH-rGO nanocomposites prepared with NH₄OH as a reducing agent had a higher specific capacitance of 1977 F/g. The electrochemical studies confirmed that combining rGO with NiMgOH increased conductivity.

Keywords: NiMgOH; carbon nanomaterials; nanostructured hybrid electrodes; electrochemical properties; specific capacitance; energy storage supercapacitors

1. Introduction

Supercapacitors are more flexible to a demanding work environment because of their superior performance in charge–discharge cycles, high power density, and high storage [1,2]. Supercapacitors, also known as ultra-capacitors, are alternative energy storage devices that help to reduce the use of fossil fuels and other environmental issues such as air pollution [3]. Many energy sources, such as solar, wind power, and geothermal heat, have been investigated in recent years to see if they can reduce air pollution and solve environmental problems. However, access to these resources is not always possible. As a result, developing relevant energy storage devices with large storage capacities for storing these energies is critical. Supercapacitors have been used to store electrical energy in backup power systems, portable electronics, telecommunications, and vehicles, among other applications [4–6]. Practically, energy storage systems are widely demonstrated and



Ramachandra Reddy <reddyprbiotech@gmail.com>

Fwd: NRB - Pending Project details

1 message

Mamatha Reddy <mamatha0823@gmail.com>

Thu, May 5, 2022 at 4:44 PM

To: Ramachandra Reddy <reddyprbiotech@gmail.com>, Vankara Anu Prasanna <annuprasanna@gmail.com>

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

From: **Mamatha Reddy** <mamatha0823@gmail.com>

Date: Tue, Jan 10, 2017, 11:48

Subject: NRB - Pending Project details

To: <dhindaw@gmail.com>

Respected Sir,

I am Dr.M.Mamatha Kumari, working as assistant Professor in the department of Materials Science and Nanotechnology at Yogi Vemana University (State Govt of Andhra Pradesh, Kadapa).

In March 2016, Research Project on "Nano-ferrites/tungstites and Carbon Nanotubes Composites for Efficient Hydrogen Production by Solar Water Splitting" was recommended for financial assistance by then NRB-materials panel.


I am here with forwarding the letter of the same to you. I was informed that my collaborator is Dr. P.K Ojha, Sc-E from NMRL. So far I did not receive any financial assistance from NRB towards this project. Kindly, let me know the status of the project.

thanking you sir
mamatha

Proposal Presentation at NRB Meeting on March 11

Inbox
x

Murty B S <murty@iitm.ac.in>

 Attachments3/14/16
to me, bmohan, dnrdooff

Dear Dr. Mamatha,

Thank you very much for your proposal presentation in front of Materials Panel, NRB on 11th March 2016. I am pleased to inform you that your proposal, with details given below, has been recommended by the panel for funding.

Project Title: Nano-ferrites/tungstites and Carbon Nanotubes Composites for Efficient Hydrogen Production by Solar Water Splitting

PI name: Dr. M Mamatha Kumari

Institute & Address: Yogi Vemana Univ., Kadapa

Project Cost: Rs. 18.35363 lakhs

Project Duration: 3 years

NMRL will be your collaborating lab. The name and contact details of the collaborator will be informed to you at the earliest.

The panel felt that the project is of relevance to Navy and the Investigators are competent. You are asked to demonstrate at least 2 times improvement on hydrogen evolution in comparison to conventional technique.

I am sending you a folder containing documents that you need to submit in hard copy to Shri. Brij Mohan, member secretary NRB, for the release of sanction letter of your project. I also request you to kindly send your mobile number for our record.

warm regards,
Murty

Dr. B.S. Murty
Professor & Head
Dept. of Metallurgical and Materials Engineering
Indian Institute of Technology Madras
Chennai 600 036, India
Ph: +91-44-22574751, 22574754
Mobile: +91-9444008590, 9444077006
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E-mail: murty@iitm.ac.in, murty.iitm@gmail.com
URL: www.mme.iitm.ac.in/murty
Skype: [murty.bs](https://www.skype.com/user/murty.bs)
Res: C2-6-5A (Marutham-5A), IIT Madras Campus, Ph: +91-44-22576754

Murty B S <murty@iitm.ac.in>

3/30/16
to me

Dear Dr. Mamatha,

The collaborator details for your NRB Materials panel project are given below. I request you to be in touch with the collaborator on a constant basis (at least once in a quarter year) for the success of your project.

Dr. P.K Ojha, Sc-E, NMRL

prasantaojha@gmail.com
Mobile: 09422385589

warm regards,

Murty

Dr. B.S. Murty
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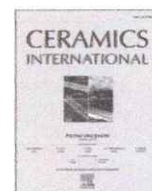
Dr.M.Mamatha Reddy
Assistant Professor
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Yogi Vemana University, Kadapa-516003, AP



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journal homepage: www.elsevier.com/locate/ceramint

Inclusion of low cost activated carbon for improving hydrogen production performance of TiO₂ nanoparticles under natural solar light irradiation

N. Ramesh Reddy^{a,c}, U. Bharagav^a, M. Mamatha Kumari^{a,*}, K.K. Cheralathan^b, P.K. Ojha^d, M. V. Shankar^a, Sang Woo Joo^{c,**}

^a Nanocatalysis and Solar Fuels Research Laboratory, Department of Materials Science & Nanotechnology, Yogi Vemana University, Kadapa, 516 005, Andhra Pradesh, India

^b Department of Chemistry, School of Advanced Sciences, Vellore Institute of Technology (VIT), Vellore, 632014, Tamil Nadu, India

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^d Naval Materials Research Laboratory (NMRL), Ambarnath, Maharashtra, 421 506, India

ARTICLE INFO

Keywords:

Activated Carbon
TiO₂ nanoparticles
Hydrogen production
Glycerol
Photocatalysis
Natural solar light
Seawater

ABSTRACT

Photocatalytic studies are primarily focused on the low cost and sustainable materials with suitable bandgap and high surface area. The ultra-fast electron-hole pair recombination and limited light absorptions affect the efficiency of photocatalyst in an adverse manner, which can be unravelled by choosing an efficient combination of photocatalysts and suitable co-catalyst/support materials. The present work explores the combination of low-cost and high potential activated carbon and TiO₂ as a nanocomposite, prepared through a one-pot hydrothermal process for hydrogen production under natural solar light irradiation. Among the synthesized photocatalysts, the one calcined at 400 °C for 2 h was found to be the best catalyst, which exhibited 3.5 times higher hydrogen production rate than the pristine TiO₂ while tested with water containing 5 vol.% glycerol. Importantly, the optimized nanocomposite was also tested for hydrogen production from simulated seawater under same conditions and it showed a hydrogen production rate of 20,383 μmol g⁻¹ h⁻¹, which is 2.4 times higher than the glycerol water solution. The enhanced hydrogen production rate is due to the reduced bandgap of AC-TiO₂ nanocomposite which offered more light absorption in the visible region compared to the pristine TiO₂. The XRD, Raman spectroscopy, TEM, and PL analysis were also examined to investigate the crystallinity, purity, morphology, and charge carrier recombination life time of the synthesized catalysts.

1. Introduction

Hydrogen (H₂) production has become viral in the past few decades due to its evolution as a future energy source and its capability to replace the expensive and polluting fossil fuels [1]. Generally, the production methods of H₂ can be classified into renewable and non-renewable. Photoelectrolysis and photocatalytic water splitting methods utilize renewable energy resources, while steam reforming and gasification use non-renewable energy resources [2,3]. Among the different methods of H₂ generation, Photocatalysis is a promising one as it works under ambient temperature and pressure, environmentally favourable, and utilizes renewable resources i.e solar light and water.

Among the various photocatalysts, TiO₂ has been a promising one for the production of H₂ due to its band potential for H⁺/H₂ generation,

abundant in nature, non-toxic, resistivity to corrosion and high chemical/thermal stability [4]. However, TiO₂ suffer from two severe disadvantages such as i) light absorption limited only in UV region and ii) fast recombination of electron-hole pairs [5]. These limitations can overcome by modifying TiO₂ with various metals [6], non-metals [7] and noble metals [8,9]. Recently, carbonaceous materials gained a lot of importance as a support/co-catalyst/photosensitizer in composite as a result TiO₂ can effectively overcome the above-mentioned limitations [10].

Carbon-based nanostructures such as CNTs, CNHs, CQDs, and graphene etc. in combination with TiO₂ are widely used for H₂ production due to their high surface area, electrical conductivity, and optical properties [11,12]. These carbon nanostructures have advantages, but they need high processing temperatures and complex instrumental setup

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Materials and features of ferroelectric photocatalysts: the case of multiferroic BiFeO_3

U. Bharagav¹, N. Ramesh Reddy¹, K. Pratap², K.K. Cheralathan³,
M.V. Shankar¹, P.K. Ojha⁴ and M. Mamatha Kumari¹

¹Nanocatalysis and Solar Fuels Research Laboratory, Department of Materials Science & Nanotechnology, Yogi Vemana University, Kadapa, India, ²Centre for Advanced Studies in Electronics Science and Technology (CASEST), School of Physics, University of Hyderabad, Hyderabad, India, ³Department of Chemistry, School of Advanced Sciences, Vellore Institute of Technology, Vellore, India, ⁴Naval Materials Research Laboratory (NMRL), Ambarnath, India

9.1 Introduction

Ferroelectrics are a class of materials which exhibits reversible polarization on application of an electric field. The first ferroelectric material was discovered 100 years ago, that is, Rochelle salt which exhibits the sudden electric polarization (Si et al., 2019). Ferroelectrics are famous for their extensive properties such as narrow bandgap values, spontaneous electric polarization, superior magnetic properties, and they had several applications in capacitors, storage memories, wave guides, optical memory display, displacement transducers, etc. The list of ferroelectrics contains titanates (BaTiO_3 , PbTiO_3 , and SnTiO_3) (Alammar, Hamm, Wark, & Mudring, 2015), niobates (LiNbO_3 , KNbO_3 , NaNbO_3 , and AgNbO_3) (Zlotnik, Tobaldi, Seabra, Labrincha, & Vilarinho, 2016), tantalates (LiTaO_3 , KTaO_3 , NaTaO_3 , and AgTaO_3) (Yogamalar, Kalpana, Senthil, & Chithambararaj, 2018), and perovskites containing iron, that is, BiFeO_3 and LaFeO_3 .

In the field photocatalysis, narrow bandgap with suitable energy band potential and stability of the catalyst plays a crucial role. BiFeO_3 is gaining more and more attention because of its visible-active bandgap for photocatalytic applications, this is the major reason behind choosing perovskite materials as catalysts (Yogamalar et al., 2018). However, it also has some limitations as other photocatalysts do, but majority of the characteristic properties were preferable for making an efficient catalytic material (Lin et al., 2014). BiFeO_3 in short BFO is one of the promising candidates for the photocatalytic applications (Yao, Wenchao

SP/YO/2019/1599(G)
Government of India
Ministry of Science & Technology
Department of Science & Technology
SEED Division

Technology Bhavan
New Mehrauli Road
New Delhi- 110 016
Dated: 20.02.2020

ORDER

Subject: Financial assistance for the project entitled "Sophisticated Flexible Supercapacitor for High Energy Storage application based on Nanomaterials" submitted by Dr. CH. Shilpa Chakra, Institute of Science and Technology, Jawaharlal Nehru Technological University Hyderabad(JNTUH), Hyderabad, Kukatpalli-500085, Telangana.

Sanction of the President is hereby accorded to the approval of the above mentioned project at a total cost of **Rs. 44,07,868/-** (Rupees Forty Four Lakh Seven Thousand Eight Hundred Sixty Eight only) i.e **Rs.16,38,000/-** (Rupees Sixteen Lakh Thirty Eight Thousand only) under the Non-recurring head (Creation of Capital Assets) and **Rs.27,69,868/-** (Rupees Twenty Seven Lakh Sixty Nine Thousand Eight Hundred Sixty Eight only) under the Recurring head (Grant-in-Aid General) for a duration of three years (36 months). The detailed breakup of the DST grant for General is given below:-

General Component	:	Rs.27,69,868/-
Capital Assets Component	:	Rs.16,38,000/-
Total	:	Rs.44,07,868/-

2. The sanction of the President is also accorded to the release of **Rs. 10,28,822/-** (Rupees Ten Lakh Twenty Eight Thousand Eight Hundred Twenty Two only) being the first installment of grant under "General Component" for implementation of the above mentioned project. The item of expenditure for which the total allocation of **Rs.44,07,868/-** has been approved for a period of 24 months are given below:

Sl.No	Budget Head	1 st year	2 nd year	3 rd year	Total
A	Non-recurring				
1.	Equipment	1638000	0	0	1638000
	Sub-total (A)	1638000	0	0	1638000
B	Recurring				
1.	Manpower : JRF-1 @ Rs. 31,000/- +24% HRA for 2 years and @ Rs. 35,000/- + 24% HRA for 3 rd year as SRF.	461280	461280	520800	1443360
2.	Consumables	200000	200000	100000	500000
3.	Travel	50000	50000	50000	150000
4.	Demo/training programme/Testing	70000	100000	30000	200000
5.	Contingency/Other cost	50000	50000	50000	150000
6.	Overhead 8%	197542	68902	60064	326508
	Sub-total (B)	1028822	930182	810864	2769868
	Grand total (A+B)	26,66,822/-	9,30,182/-	8,10,864/-	44,07,868/-


20/02/2020

3. This sanction is subject to the condition that the grantee organization will furnish to the Department of Science & Technology, financial year wise Utilization Certificate (UC) in the proforma prescribed as per GFR 2017 and audited Statement of Expenditure (SE) along with up to date progress report at the end of each financial year duly reflecting the interest earned/accrued on the grants received under the project. This is also subject to the condition of submission of the final statement of expenditure, utilization certificate and project completion report within one year from the scheduled date of completion of the project.

4. The grantee organization will have to enter and upload the Utilization Certificate in the PFMS portal besides sending it in physical form to this Division. The subsequent/final installment will be released only after confirmation of the acceptance of the UC by the division and entry of previous Utilization Certificate in the PFMS.

5. If the grant has been released under capital head through separate sanction order under the same project for purchase of equipment(s), separate SE/UC has to be furnished for the released Capital head grant.

6. The grant-in-aid being released is subject to the condition that

(a) A transparent procurement procedure in line with the Provisions of General Financial Rules 2017 will be followed by the Institute/organization under the appropriate rules of the grantee organization while procuring capital assets sanctioned for the above mentioned project and a certificate to this effect will be submitted by the Grantee organization immediately on receipt of the grant:

(b) While submitting Utilization Certificate/Statement of Expenditure, the organization has to ensure submission of supporting documentary evidences with regard to purchase of equipment/capital assets as per the provisions of GFR 2017. Subsequent release of grants under the project shall be considered only on receipt of the said documents.

7. As per the GFR 2017 Rule 230 (8) the Grantee organization will maintain separate audited account for the project and the entire amount of grant will be kept in an interest bearing account. For Grants released during F.Y. 2017-18 and onwards, all interests and other earnings against released Grant shall be remitted to Consolidated Fund of India (through Non-Tax Receipt Portal (NTRP), i.e. www.bharatkosh.gov.in), immediately after finalization of accounts, as it shall not be adjusted towards future release of Grant. A certificate to this effect shall have to be submitted along with Statement of Expenditure / Utilization Certificate for considering subsequent release of Grant/ Closure of Project accounts."

8. "Grantee Institute should also follow Rule 230 (17) of GFR 2017 concerning reservation of SC/ST/OBC, if applicable."

9. As per rule of GFR 2017, it is mandatory for the grantee organization to purchase the equipment through the Government e-marketplace (GeM), to the extent availability there as the project involves Government funding.

10. Grantee organization is to adhere to the instructions of the Department of Expenditure guidelines for the travel budget head.

11. DST reserves sole rights on the assets created out of grants. Assets acquired wholly or substantially out of government grants (except those declared as obsolete and unserviceable or condemned in accordance with the procedure laid down in GRF 2017), shall not be disposed of without obtaining the prior approval of DST.

12. In case the scheme provides for payment of Honorarium/remuneration/fellowships/scholarship to the PI, a para may suitably be incorporated in the DST to the effect that "PI is not drawing any emoluments/salary/fellowship from any other project either supported by DST or by any other funding agency.

A handwritten signature in black ink is written over the date 20/04/2020. The signature is stylized and appears to be a name with a surname.

13. The account of the grantee organization shall be open to inspection by the sanctioning authority and audit (both by C&AG of India and Internal Audit by the Principal Accounts Office of the DST), whenever the organization is called upon to do so, as laid down under Rule 236(1) of General Financial Rules 2017.

14. Due acknowledgement of technical support/financial assistance resulting from this project grant should mandatorily be highlighted by the grantee organization in bold letters in all publications/media releases as well as in the opening paragraphs of their Annual Reports during and after completion of the project.

15. Failure to comply with the terms and conditions of the Bond will entail full refund with interest in terms of Rule 231 (2) of GFR 2017.

16. The overhead expenses are meant for the host Institute towards the cost for providing infrastructural facilities and benefits to the staff employed in the project etc.

17. The expenditure involved is debitable to Demand No. 86, Department of Science & Technology for the year 2019-20:

3425	:	Other Scientific Research (Major Head)
60	:	Others
60.200	:	Assistance to Other Scientific Bodies (Minor Head)
70	:	Innovation, Technology Development and Deployment
70.00.31	:	Grants-in-aid General for the year 2019-20 (Plan)
*(Previous :		SSP-SEED-3425.60.200.08.11.31)

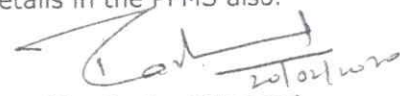
18. The amount of **Rs. 10,28,822/-** (Rupees Ten Lakh Twenty Eight Thousand Eight Hundred Twenty Two only) will be drawn by the Drawing and Disbursing Officer, DST and will be disbursed to the Director, Institute of Science and Technology, Jawaharlal Nehru Technological University Hyderabad(JNTUH), Hyderabad, Kukatpalli-500085, Telangana. The bank details for electronic transfer of funds through RTGS are given below:-

Institute Name	Director IST R&D Fellowship
Account Number	52092255659
Bank Name	State Bank of India
IFSC Code	SBIN0021008
MICR Code	500002405

19. As per Rule 234 of GFR 2017, this sanction has been entered at Sl.No. in the register of grants maintained in the Division for the scheme (Innovation, Technology Development and Deployment).

20. This issues with the concurrence of IFD vide their Concurrence Dy. No. C/5683/IFD/2019-20 dated 20.02.2020.

21. It is certified that all the Utilization Certificate in regard of all schemes/programmes/projects, present and previous pertaining to the institute have been received and no UC is pending against the organization as per the details in the PFMS also.


(Dr. Rashmi Sharma)
Scientist-'E'
011-26590541

The Pay & Accounts Officer
Department of Science & Technology
New Delhi -110 016.

Copy for information and necessary action:

1. Cash Section (3 copies) for preparing the bill and remitting the amount to the above grantee.
2. Accounts Section, DST, New Delhi.
3. IFD, DST, New Delhi.
4. Director of audit (CW&M-II) AGCR Building, IP Estate, New Delhi.
5. Director, Institute of Science and Technology, Jawaharlal Nehru Technological University Hyderabad(JNTUH), Hyderabad, Kukatpalli-500085, Telangana.
6. Dr. CH. Shilpa Chakra, Institute of Science and Technology, Jawaharlal Nehru Technological University Hyderabad(JNTUH), Hyderabad, Kukatpalli-500085, Telangana.
7. Head, SEED, DST
8. Sanction folder.



(Dr. Rashmi Sharma)
Scientist-'E'
011-26590541

SP/YO/2019/1599(C)
Government of India
Ministry of Science & Technology
Department of Science & Technology
SEED Division

Technology Bhavan
New Mehrauli Road
New Delhi- 110 016
Dated:20.02.2020

ORDER

Subject: Financial assistance for the project entitled "Sophisticated Flexible Supercapacitor for High Energy Storage application based on Nanomaterials" submitted by Dr. CH. Shilpa Chakra, Institute of Science and Technology, Jawaharlal Nehru Technological University Hyderabad(JNTUH), Hyderabad, Kukatpalli-500085, Telangana.

With reference to the Sanction Order No. **SP/YO/2019/1599 (G)** dated 20.02.2020, sanction of the President is accorded for the sanctioning of **Rs.16,38,000/-** (Rupees Sixteen Lakh Thirty Eight Thousand only) under the 'Grant for creation of capital assets' in the above mentioned project.

2. Sanction of the President is also accorded for the release of **Rs.16,38,000/-** (Rupees Sixteen Lakh Thirty Eight Thousand only) towards the Creation of Capital Assets Head for the purchase of equipment's under the project. The details of which is as given under:-

Non-recurring (Capital Items)

	EQUIPMENT DETAILS	1st Year	Total
1.	Electrode Fabrication Equipment	1203000	1203000
2.	Agriculture Assistive Device (Soil nutrition scanner)	435000	435000
	TOTAL	Rs.16,38,000/-	Rs.16 38 000/-

3. This sanction is subject to the condition that the grantee organization will furnish to the Department of Science & Technology, financial year wise Utilization Certificate (UC) in the proforma prescribed as per GFR 2017 and audited Statement of Expenditure (SE) along with up to date progress report at the end of each financial year duly reflecting the interest earned/accrued on the grants received under the project. This is also subject to the condition of submission of the final statement of expenditure, utilization certificate and project completion report within one year from the scheduled date of completion of the project.

4. The grantee organization will have to enter and upload the Utilization Certificate in the PFMS portal besides sending it in physical form to this Division. The subsequent/final installment will be released only after confirmation of the acceptance of the UC by the division and entry of previous Utilization Certificate in the PFMS.

5. If the grant has been released under capital head through separate sanction order under the same project for purchase of equipment(s), separate SE/UC has to be furnished for the released Capital head grant.


20/02/2020

6. The grant-in-aid being released is subject to the condition that

(a) A transparent procurement procedure in line with the Provisions of General Financial Rules 2017 will be followed by the Institute/organization under the appropriate rules of the grantee organization while procuring capital assets sanctioned for the above mentioned project and a certificate to this effect will be submitted by the Grantee organization immediately on receipt of the grant:

(b) While submitting Utilization Certificate/Statement of Expenditure, the organization has to ensure submission of supporting documentary evidences with regard to purchase of equipment/capital assets as per the provisions of GFR 2017. Subsequent release of grants under the project shall be considered only on receipt of the said documents.

7. The grantee organization will maintain separate audited account for the project and the entire amount of grant will be kept in an interest bearing bank account. The interest earned/accrued should be reported to DST (financial year wise) while submitting the Statement of Expenditure/Utilization Certificate.

8. "The grantee organisation will maintain separate audited account for the project and the entire amount of grant will be kept in an interest bearing account. For Grants released during F.Y. 2017-18 and onwards, all interests and other earnings against released Grant shall be remitted to Consolidated Fund of India (through Non-Tax Receipt Portal (NTRP), i.e. www.bharatkosh.gov.in), immediately after finalisation of accounts, as it shall not be adjusted towards future release of Grant. A certificate to this effect shall have to be submitted along with Statement of Expenditure / Utilisation Certificate for considering subsequent release of Grant/ Closure of Project accounts."

9. As per rule of GFR 2017, it is mandatory for the grantee organization to purchase the equipment through the Government e-marketplace (GeM), to the extent availability there as the project involves Government funding.

10. DST reserves sole rights on the assets created out of grants. Assets acquired wholly or substantially out of government grants (except those declared as obsolete and unserviceable or condemned in accordance with the procedure laid down in GRF 2017), shall not be disposed of without obtaining the prior approval of DST.

11. In case the scheme provides for payment of honorarium/remuneration/fellowships/scholarship to the PI, a para may suitably be incorporated in the DST to the effect that "PI is not drawing any emoluments/salary/fellowship from any other project either supported by DST or by any other funding agency.

12. The account of the grantee organization shall be open to inspection by the sanctioning authority and audit (both by C&AG of India and Internal Audit by the Principal Accounts Office of the DST), whenever the organization is called upon to do so, as laid down under Rule 236(1) of General Financial Rules 2017.

13. Due acknowledgement of technical support/financial assistance resulting from this project grant should mandatorily be highlighted by the grantee organization in bold letters in all publications/media releases as well as in the opening paragraphs of their Annual Reports during and after completion of the project.

A handwritten signature in black ink, followed by a horizontal line and the date 20/02/2020 written below it.

14. Failure to comply with the terms and conditions of the Bond will entail full refund with interest in terms of Rule 231 (2) of GFR 2017.

15. The expenditure involved is debitable to Demand No. 86, Department of Science & Technology for the year 2019-20:

3425	:	Other Scientific Research (Major Head)
60	:	Others
60.200	:	Assistance to Other Scientific Bodes (Minor Head)
70	:	Innovation, Technology Development and Deployment
70.00.35	:	Grants for Creation of Capital Assets for the year 2019-20 (Plan)
*(Previous	:	SSP-SEED-3425.60.200.08.11.35)


16. The amount of **Rs.16,38,000/- (Rupees Sixteen Lakh Thirty-Eight Thousand only)** will be drawn by the Drawing and Disbursing Officer, DST and will be disbursed to the Director, Institute of Science and Technology, Jawaharlal Nehru Technological University Hyderabad(JNTUH), Hyderabad, Kukatpalli-500085, Telangana. The bank details for electronic transfer of funds through RTGS are given below :-

Institute Name	Director IST R&D Fellowship
Account Number	52092255659
Bank Name	State Bank of India
IFSC Code	SBIN0021008
MICR Code	500002405

17. As per Rule 234 of GFR 2017, this sanction has been entered at Sl.No. in the register of grants maintained in the Division for the scheme (Innovation, Technology Development and Deployment).

18. This issues with the concurrence of IFD vide their Concurrence Dy. No. C/5684/IFD/2019-20 dated 20.02.2020.

19. It is certified that all the Utilization Certificate in regard of all schemes/programmes/projects, present and previous pertaining to the institute have been received and no UC is pending against the organization as per the details in the PFMS also.



(Dr. Rashmi Sharma)
Scientist-'E'
011-26590541

The Pay & Accounts Officer
Department of Science & Technology
New Delhi -110 016.

Copy for information and necessary action:

1. Cash Section (3 copies) for preparing the bill and remitting the amount to the above grantee.
2. Accounts Section, DST, New Delhi.
3. IFD, DST, New Delhi.
4. Director of audit (CW&M-II) AGCR Building, IP Estate, New Delhi.
5. Director, Institute of Science and Technology, Jawaharlal Nehru Technological University Hyderabad(JNTUH), Hyderabad, Kukatpalli-500085, Telangana.

6. Dr. CH. Shilpa Chakra, Institute of Science and Technology, Jawaharlal Nehru Technological University Hyderabad(JNTUH), Hyderabad, Kukatpalli-500085, Telangana.
7. Head, SEED, DST.
8. Sanction folder



20/02/2020

(Dr. Rashmi Sharma)
Scientist-'E'
011-26590541


Annexure-II


CERTIFICATE FROM THE INVESTIGATOR


PROJECT TITLE: Sophisticated Flexible Supercapacitor for High Energy Storage application based on Nanomaterials


1. We agree to abide by the terms and conditions of the DST grant.
2. We did not submit this or a similar project proposal elsewhere for financial support.
3. We have explored and ensured that equipment and basic facilities will actually be available as and when required for the purpose of the project. We shall not request financial support under this project, for procurement of these items.
4. We undertake that spare time on permanent equipment will be made available to other users.
5. We have enclosed the following materials:

ITEMS	NUMBER OF COPIES
(a) Endorsement from the Head of the Institution (on letter head)	One
(b) Copies of the Proposals	3
(c) Registration Certificate, Memorandum of Association, Rules and Regulations of the Institution, Audited Balance Sheet and Annual Report of previous three years (in case of Voluntary Organization).	Not Applicable

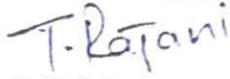

Name & Signature of PI
(Dr. CH. Shilpa Chakra)


1. Dr. V. Hima Bindu


Name & Signature of Mentor
(Dr. G. Venkat Ramana)


2. Dr Marshal


3. Dr.M.Mamatha Kumari


4. Dr.T.Rajani
Name & Signature of Co-PI

sci

3711
⑩

**VIKRAMA SIMHAPURI UNIVERSITY::NELLORE-524 324, AP, INDIA
DEPARTMENT OF BIOTECHNOLOGY**

Dr. S.B. Sainath
Assistant Professor



www.vsu.ac.in

Ph (O): 0861-2352365 (Ext: 311)
M: +91-9989353455
Email: drsainath@vsu.ac.in

Dated: 28.12.2016

TO WHOMSOEVER IT MAY CONCERN

This is to certify that **Miss. H. Neelima, Research Scholar, Department of Biochemistry, Yogi Vemana University, Kadapa** visited and completed training on handling of crabs and prawns, analysis of crab molt stages from 26.12.2016 to 28.12.2016. She trained well in animal handling and was sincere during his stay.

Yours faithfully

(S.B. Sainath)

Dr.S.B.Sainath, Ph.D.
Assistant Professor
Department of Biotechnology
Vikrama Simhapuri University
NELLORE-524 001, A.P., INDIA.

3-7-2
(2)

VIKRAMA SIMHAPURI UNIVERSITY, NELLORE- 524 324
DEPARTMENT OF BIOTECHNOLOGY

Dr. KVL Shrikanya Rao
Assistant Professor



Mobile : +91-9248559408
E-mail : shrikanya.rao@gmail.com
shrikanya.kvl@vsu.ac.in

Dated:27.03.2017

TO WHOMSOEVER IT MAY CONCERN

This is to certify that Mr. C. Srinivasa Kalyan, Research Scholar, Department of Zoology, Yogi Vemana University, Kadapa visited and completed training on handling on molecular tools pertaining to animal molecular biology from 18.03.2017 to 27.07.2017. He trained well in handling of molecular biology tools and was sincere during his stay.

Yours faithfully,

KVL Shrikanya Rao

(KVL SHRIKANYA RAO)

(3)

VIKRAMA SIMHAPURI UNIVERSITY, NELLORE- 524 324
DEPARTMENT OF BIOTECHNOLOGY

Dr. KVL Shrikanya Rao
Assistant Professor



Mobile : +91-9248559408
E-mail : shrikanya.rao@gmail.com
shrikanya.kvl@vsu.ac.in

Dated:27.03.2017

TO WHOMSOEVER IT MAY CONCERN

This is to certify that Miss. **M. Hemelatha, Research Scholar, Department of Zoology, Yogi Vemana University, Kadapa** visited and completed training on handling on molecular tools pertaining to animal molecular biology from 18.03.2017 to 27.07.2017. She trained well in handling of molecular biology tools and was sincere during her stay.

Yours faithfully,

KVL Shrikanya Rao

(KVL SHRIKANYA RAO)

VIKRAMA SIMHAPURI UNIVERSITY::NELLORE-524 324, AP, INDIA
DEPARTMENT OF BIOTECHNOLOGY



www.vsu.ac.in

Dr. S.B. Sainath
Assistant Professor

Ph (O): 0861-2352365 (Ext: 311)
M: +91-9989353455
Email: drsainath@vsu.ac.in

Dated: 15.06.2019

TO WHOMSOEVER IT MAY CONCERN

This is to certify that **Mr. P. Naveen, Research Scholar, Department of Biochemistry,** Yogi Vemana University, Kadapa visited and completed training on handling of statistical data and *in silico* analysis methods from 11.06.2019 to 15.06.2019. He was well trained, sincere and conduct is good during his stay.

Yours faithfully

(S.B. Sainath)
Dr.S.B.Sainath, Ph.D.
Assistant Professor
Department of Biotechnology
Vikrama Simhapuri University
NELLORE-524 001, A.P., INDIA.



College Code : 70

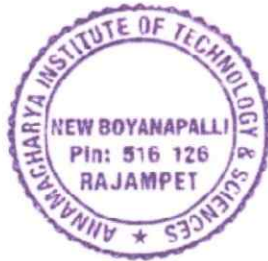
ANNAMACHARYA INSTITUTE OF TECHNOLOGY AND SCIENCES :: RAJAMPET
(AUTONOMOUS)

Approved by AICTE, New Delhi. Affiliated to Jawaharlal Nehru Technological University Anantapur
Accredited by NAAC, with 'A' Grade
Recognized by UGC, New Delhi under sections 2(f) & 12(B) as per UGC act 1956. Institutional Member of ISTE

Dt.29.10.2021

TOWHOMSOEVER IT MAY CONCERN

This is to certify that Mr. S. Ansar Hussain, Full Time Research Scholar, Department of English , Yogi Vemana University , Kadapa, working under the guidance of Dr. R.V. Jayanth Kasyap visited our institution during 25-29 October 2021 for the purpose of collecting data for his research work by administering questionnaires and to consult the members of faculty in the Department of Humanities and Social Sciences. His area of research is relevant to our curriculum and his interface with the students and faculty was a fruitful exercise.



Suce. Narayana

PRINCIPAL
PRINCIPAL

**ANNAMACHARYA INSTITUTE OF
TECHNOLOGY & SCIENCES
NEW BOYANAPALLI-516 126
RAJAMPET, Kadapa Dist. A.P**

JSS MEDICAL COLLEGE

(Constituent College)

JSS Academy of Higher Education & Research

(Deemed to be University)

Accredited 'A' Grade by NAAC



01-07-2019

CERTIFICATE

This research report entitled "*Investigation On Anti-inflammatory Activity Of Moringin Enriched Extract Through Activation Of Nrf2 Pathway*" submitted by **Kommalapati. Sharoon Veronica**, Summer Research Fellow, Department of Zoology, **Yogi Vemana University, Kadapa, Andhra Pradesh**, comprises work done by her at the **Center of Excellence in Molecular Biology and Regenerative Medicine, Department of Biochemistry, JSS Medical College, Mysore.**

Dr. T. Rajesh Kumar
Associate Professor
Dr. RAJESH KUMAR, T.
Associate Professor
Dept. of Biochemistry
JSS Medical College
JSS University Mysuru-57



SUMMER RESEARCH FELLOWSHIP PROGRAMME CERTIFICATE

This is to certify that Ms Kommalapati Sharoon Veronika worked on a project entitled "Investigation on anti-inflammatory activity of Moringin enriched extract through activation of Nrf2 pathway" during May - July 2019 as a Summer Research Fellow under the supervision of Dr T Rajesh Kumar, JSS Academy of Higher Education & Research, Mysuru. The Summer Research Fellowship Programme is jointly sponsored by IASc (Bengaluru), IASA (New Delhi) and NASI (Allahabad).

M. R. N. Murthy

*M. R. N. Murthy
Chairman, Science Education Panel*

Place: Bengaluru

Date: 26-07-2019





राष्ट्रीय प्रतिरक्षाविज्ञान संस्थान

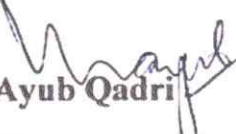
जैव प्रौद्योगिकी विभाग, विज्ञान और प्रौद्योगिकी मंत्रालय, भारत सरकार का स्वायत्त अनुसंधान संस्थान

NATIONAL INSTITUTE OF IMMUNOLOGY

An Autonomous Research Institute of the Department of Biotechnology, Ministry of Science and Technology
Government of India

CERTIFICATE

This research report entitled “*In vitro* analysis of role of autophagy in *Salmonella* infection” submitted by Naguri Mahaboob Basha, Summer Research Fellow, Department of Zoology, Yogivemana University, comprises work done by him in the Hybridoma Laboratory at the National Institute of Immunology, New Delhi.


Ayub Qadri

Hybridoma Laboratory

डॉ. अयूब कादरी / Dr. Ayub Qadri
स्टाफ वैज्ञानिक / Staff Scientist
राष्ट्रीय प्रतिरक्षाविज्ञान संस्थान
NATIONAL INSTITUTE OF IMMUNOLOGY
अरुणा आसफ अली मार्ग / Aruna Asaf Ali Marg
नई दिल्ली-110 067 / New Delhi - 110 067

अरुणा आसफ अली मार्ग, नई दिल्ली-110067, दूरभाष (ईपीएबीएक्स): 011-26162121-45 और 26717010-19
फैक्स : 091-11-26742125, 26742626; तार : IMMUNOLOGY; वेबसाइट: www.nii.res.in
Aruna Asaf Ali Marg, New Delhi - 110067; Telephones(EPABX): 011-26717121-45 & 26717010-19
Fax: 091-11-26742125, 26742626; Grams : IMMUNOLOGY; Website : www.nii.res.in



**SUMMER RESEARCH FELLOWSHIP PROGRAMME
CERTIFICATE**

This is to certify that Mr. Naguri Mahaboob Basha worked on a project entitled "In vitro analysis of role autophagy in Salmonella infection" during April - June 2019 as a Summer Research Fellow under the supervision of Dr. Ayub Zadri, National Institute of Immunology, New Delhi. The Summer Research Fellowship Programme is jointly sponsored by IASc (Bengaluru), INSA (New Delhi) and NASI (Prayagraj).

M. R. N. Murthy

M. R. N. Murthy

Chairman, Science Education Panel

Place: Bengaluru

Date: 24-09-2019





Dr. INDLA RAMASUBBA REDDY

M.D. (Psych - NIMHANS)., D.P.M., F.I.P.S
DIRECTOR

VIJAYAWADA INSTITUTE OF MENTAL HEALTH & NEURO SCIENCES

National President - Indian Psychiatric Society (2007-2008)
President- SAARC Psychiatric Federation (2007-2008)
Senate Member - Acharya Nagarjuna University (2006-2014)
President-IMA, Vijayawada (2013-2014)

Vijayawada
Date

Date: 25/01/2020

Internship Certificate

This is to certify that **Ms. K. Kamala Devi** final year M.Sc Psychology student of **Yogi Vemana University, Kadapa** has completed two weeks of Internship programme at **Indlas VIMHANS hospital, Vijayawada.**

Signature of the Academic Supervisor

Dr. K. Vijaya Vardhana Raju

Rehab Psychologist

Dr. P. Vijay Vardhana Raju
M.Sc., M. Phil., Ph.D., PGDCG
Rehab Psychologist
Indlas Vimhans Hospital

Signature of the Director

Dr. Indla Ramasubba Reddy

Director

Dr. INDLA RAMASUBBA REDDY
MD. (Psych. Nimhans.,) D.P.M., FIPS
Regd. No. 9838
DIRECTOR-INDLAS VIMHANS





Dr. INDLA RAMASUBBA REDDY

M.D. (Psych - NIMHANS), D.P.M., F.I.P.S
DIRECTOR

VIMHANS

VIJAYAWADA INSTITUTE OF MENTAL HEALTH & NEURO SCIENCES

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President- SAARC Psychiatric Federation (2007-2008)
Senate Member - Acharya Nagarjuna University (2006-2014)
President-IMA, Vijayawada (2013-2014)

Vijayawada
Date :

Date: 25/01/2020

Internship Certificate

This is to certify that **Mr. S. Mruthyunjaya** final year M.Sc Psychology student of **Yogi Vemana University, Kadapa** has completed two weeks of Internship programme at **Indlas VIMHANS hospital, Vijayawada.**

Signature of the Academic Supervisor

Dr. K. Vijaya Vardhana Raju

Rehab Psychologist

Dr. P. Vijay Vardhana Raju
M.Sc., M. Phil., Ph.D., PGDCG
Rehab Psychologist
Indlas Vimhans Hospital

Signature of the Director

Dr. Indla Ramasubba Reddy

Director



Dr. INDLA RAMASUBBA REDDY
MD. (Psych. Nimhans.,) D.P.M., FIPS
Regd. No. 9838
DIRECTOR-INDLAS VIMHANS

Address for correspondence : V.V.Rao Street Suryaraopet, VIJAYAWADA - 520 002.
Ph : 0866 - 2432040, 2442174, Tele Fax : (0866) 2444999
Mobile : 9348114948, e-mail : indlas1@rediffmail.com
website : www.vimhanshospital.org



Dr. INDLA RAMASUBBA REDDY

M.D. (Psych - NIMHANS), D.P.M., F.I.P.S
DIRECTOR

VIJAYAWADA INSTITUTE OF MENTAL HEALTH & NEURO SCIENCES

National President - Indian Psychiatric Society (2007-2008)
President - SAARC Psychiatric Federation (2007-2008)
Senate Member - Acharya Nagarjuna University (2006-2014)
President-IMA Vijayawada (2013-2014)


Vijayawada
Date

Date: 25/01/2020

Internship Certificate


This is to certify that Ms. K. Shilpa final year M.Sc Psychology student of Yogi Vemana University, Kadapa has completed two weeks of Internship programme in Indlas VIMHANS hospital, Vijayawada.

Signature of the Academic Supervisor


Dr. K. Vijaya Vardhana Raju

Rehab Psychologist
Dr. P. Vijay Vardhana Raju
M.Sc., M. Phil., Ph.D., PGDCG
Rehab Psychologist
Indlas Vimhans Hospital

Signature of the Director


Dr. Indla Ramasubba Reddy

Director
Dr. INDLA RAMASUBBA REDDY
M.D. (Psych. Nimhans.), D.P.M., F.I.P.S
Regd. No. 9838
DIRECTOR-INDLAS VIMHANS



Address for correspondence :

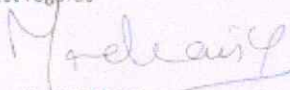
V.V.Rao Street Suryaraopet, VIJAYAWADA - 520 002
Ph : 0866 - 2432040, 2442174, Tele Fax : (0866) 2444999
Mobile : 9348114948, e-mail : indlas1@rediffmail.com
website : www.vimhanshospital.org

September 20, 2017

To whom so it may concern

This is to certify that Mrs. B. Sravani, Research Scholar working under the guidance of Dr. L. Subramanyam Sarma, Department of Chemistry, Yogi Vemana University, Kadapa visited my research laboratory during the period from September 4, 2017 to September 20, 2017 and carried out research on graphene-based nanocomposites for electrochemical sensor applications.

Best regards



(Dr. G. MADHAVI)

Dr. G. MADHAVI, M.Sc., Ph.D.
PROFESSOR
DEPARTMENT OF CHEMISTRY
S.V.U. COLLEGE OF SCIENCES
SRI VENKATESWARA UNIVERSITY
TIRUPATI-517502, A.P., INDIA

July 18, 2018

To whom so it may concern

This is to certify that Mrs. B. Sravani, Research Scholar working under the guidance of Dr. L. Subramanyam Sarma, Department of Chemistry, Yogi Vemana University, Kadapa visited my research laboratory during the period from July 6, 2018 to July 18, 2018 and carried out research on Pt-Ag/graphene-based nanocomposites for electrochemical sensor applications.

Best regards



(Dr. G. MADHAVI)

Dr. G. MADHAVI, M.Sc., Ph.D.
PROFESSOR
DEPARTMENT OF CHEMISTRY
S.V.U. COLLEGE OF SCIENCES
TIRUPATI

October 22, 2019

To whom so it may concern

This is to certify that Mrs. B. Sravani, Research Scholar working under the guidance of Dr. L. Subramanyam Sarma, Department of Chemistry, Yogi Vemana University, Kadapa visited my research laboratory during the period from October 7, 2019 to October 22, 2019 and carried out research on Pt-Ni/graphene-based nanocomposites for electrochemical sensor applications.

Best regards



(Dr. G. MADHAVI)

Dr. G. MADHAVI, M.Sc., Ph.D.
PROFESSOR
DEPARTMENT OF CHEMISTRY
S.V.U. COLLEGE OF SCIENCES
SRI VENKATESWARA UNIVERSITY
TIRUMALAHILSA



FRANCIS XAVIER
ENGINEERING COLLEGE
AN AUTONOMOUS INSTITUTION

Accredited BY NBA



Department of Civil Engineering

CERTIFICATE
OF PARTICIPATION

This is to Certify that

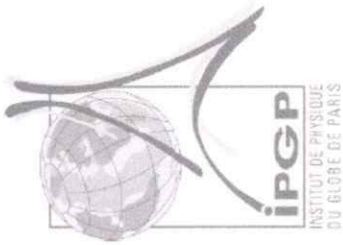
Dr. Ballari Lakshmana , Research Student

Yogi Vemana University - Andhra Pradesh

has Successfully Completed the AICTE Sponsored
Short Term Training Program on
Basic of Remote Sensing, Geographical Information System(GIS)
and Global Navigation Satellite System (GNSS)
"Phase I" During 17-22 August 2020

Dr. V. Ganman
Professor & Head
Department of Civil Engineering
Francis Xavier Engineering College, Tirumalavli

Dr. V. Velamuri
Principal
Francis Xavier Engineering College, Tirumalavli



CERTIFICATE OF PARTICIPATION

This certifies that

Dr. BALLARI LAKSHMANNA

Department of Geology, Yogi Vemana University, Kadapa,

Andhra Pradesh, India has attended:

**4th InterRidge Theoretical Institute 'Hydrothermalism in 4D: current challenges and emerging issues',
held between 18 and 21 November 2019 in Banyuls-sur-Mer, France**

Kamil Szafranski

dr. Kamil Szafranski
InterRidge Coordinator
Institut de Physique du Globe de Paris

Supported by InterRidge :: International Cooperation in Ocean Floor Studies, this 27th November 2019 in Paris.



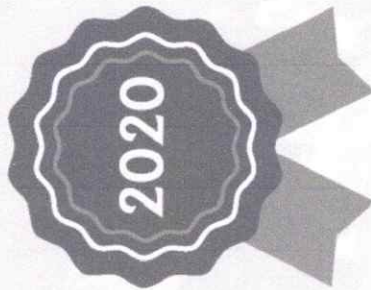
International Training Centre for Operational Oceanography (ITCOcean)
Indian National Centre for Ocean Information Services (INCOIS)

Certificate of Participation

This is to certify that

BALLARI LAKSHMANNA

has successfully completed the Online Training Course on
"Fishery Oceanography for Future Professionals (Level: Basic, Batch-1)"
during November 16 - 20, 2020, Hyderabad, India.



T. S. Venkateshwar

TVS Udaya Bhaskar
Coordinator, ITCOcean-INCOIS

T. Srinivasa Kumar
Director, INCOIS



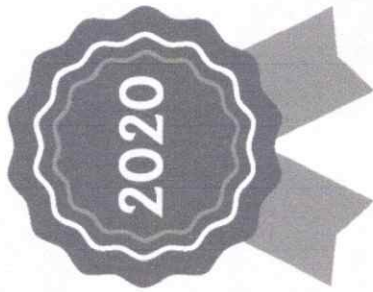
**International Training Centre for Operational Oceanography (ITCOcean)
Indian National Centre for Ocean Information Services (INCOIS)**

Certificate of Participation

This is to certify that

DR BALLARI LAKSHMANNA

*has successfully completed the **Online Training Course on**
"Discovery and Use of Operational Ocean Data Products and Services"
during August 31- September 04, 2020, Hyderabad, India.*



T.R. Udaya Bhaskar

TVS Udaya Bhaskar
Coordinator, ITCOcean-INCOIS

T. Srinivasa Kumar
Director, INCOIS



Indo German Centre for Sustainability Indian Institute of Technology Madras, Chennai



This is to certify that

B. Lakshmana

Yogi Vemana University, Kadapa

has participated in the IGCS Winter School 2017 on

Sanitation - Water - Health Nexus for Sustainable Development

During Feb 20 – March 4, 2017 at IIT Madras, Chennai

Prof. Ligy Philip

Prof. Ligy Philip

Course Coordinator

Prof. B.S. Murty

Prof. B.S. Murty

Course Coordinator



Department of
Science & Technology

RWTH AACHEN
UNIVERSITY



Federal Ministry
of Education
and Research

DAAD



A New Passage
to India.



Nansen
Scientific
Society

NERSC

NERCI

INCOIS

INTERNATIONAL TRAINING CENTRE FOR OPERATIONAL OCEANOGRAPHY (ITCOocean)
NANSEN ENVIRONMENTAL AND REMOTE SENSING CENTER (NERSC), BERGEN, NORWAY
NANSEN SCIENTIFIC SOCIETY (NSS), BERGEN, NORWAY
NANSEN ENVIRONMENTAL RESEARCH CENTRE-INDIA (NERCI)
INDIAN NATIONAL CENTRE FOR OCEAN INFORMATION SERVICES (INCOIS)

hereby certify that

Mr. BALLARI LAKSHMANNA

has successfully completed the International Winter School on

OPERATIONAL OCEANOGRAPHY: INDIAN OCEAN CIRCULATION AND SEA LEVEL VARIATION

(50 hours course – 16 lectures, individual student poster presentations, interactive training sessions and student reporting)

at **ITCOocean / INCOIS** during **16 - 21 October 2016**, Hyderabad, India

B. Madhusudan Rao
INCOIS- ITCOocean

Ola M. Johannessen
NSS

Lasse H. Pettersson
NERSC

S.S.C. Shenoi
Director, INCOIS

Sponsored by the Organizers and



The Research Council
of Norway



CERTIFICATE OF INTERNSHIP

This is to certify that

MR. V NAVAKOTESWARA RAO

Research Scholar of Materials Science and Nanotechnology, YV University, Kadapa has successfully completed research training on “**Solar Fuels by Catalysis**” from 01/03/2018 to 15/07/2018 under my supervision at JAIN University, Bangalore. During the above period, his performance was excellent.

Date: 15/07/2018

M. Sakar

(Dr. M. Sakar)

Dr. M. SAKAR

Assistant Professor

CENTRE FOR NANO AND MATERIAL SCIENCES

JAIN UNIVERSITY (Jain Global Campus)

Jakkasandra Post, Kanakapura Taluk,
Bangalore-562112, Karnataka, India

CERTIFICATE OF INTERNSHIP

This is to certify that

MR. U BHARGAVA

Research Scholar of Materials Science and Nanotechnology, YV University, Kadapa has successfully completed research training on **“Solar Fuels by Catalysis”** from 01/03/2018 to 15/07/2018 under my supervision at JAIN University, Bangalore. During the above period, his performance was excellent.

Date: 15/07/2018



(Dr. M. Sakar)

Dr. M. SAKAR

Assistant Professor

CENTRE FOR NANO AND MATERIAL SCIENCES
JAIN UNIVERSITY (Jain Global Campus)
Jakkasandra Post, Kanakapura Taluk,
Bangalore-562112, Karnataka, India

CERTIFICATE OF INTERNSHIP

This is to certify that

MS. U NARAYANAAMMA,

a final year student of M.Sc (Materials Science and Nanotechnology) YV University, Kadapa has successfully completed internship on “Solar Energy Engineering” from 01/05/2019 to 15/06/2019 under my supervision at JAIN University, Bangalore. During the above period, her performance was excellent.

Date: 15/06/2019

(Dr. M. Sakar)
(Dr. M. Sakar)

Dr. M. SAKAR
Assistant Professor
CENTRE FOR NANO AND MATERIAL SCIENCES
JAIN UNIVERSITY (Jain Global Campus)
Jakkasandra Post, Kanakapura Taluk,
Bangalore-562112, Karnataka, India

CERTIFICATE OF INTERNSHIP

This is to certify that

MR. R RAMAKRISHNA,

a final year student of M.Sc (Materials Science and Nanotechnology) YV University, Kadapa has successfully completed internship on "Solar Energy Engineering" from 01/05/2019 to 15/06/2019 under my supervision at JAIN University, Bangalore. During the above period, his performance was excellent.

Date: 15/06/2019

M. Sakar
(Dr. M. Sakar)

Dr. M. SAKAR

Assistant Professor

CENTRE FOR NANO AND MATERIAL SCIENCES
JAIN UNIVERSITY (Jain Global Campus)
Jakkasandra Post, Kanakapura Taluk,
Bangalore-562112, Karnataka, India

CERTIFICATE OF INTERNSHIP

This is to certify that

MR. R RAMAKRISHNA,

a final year student of M.Sc (Materials Science and Nanotechnology) YV University, Kadapa has successfully completed internship on "Solar Energy Engineering" from 01/05/2019 to 15/06/2019 under my supervision at JAIN University, Bangalore. During the above period, his performance was excellent.

Date: 15/06/2019

M. Sakar
(Dr. M. Sakar)

Dr. M. SAKAR
Assistant Professor
CENTRE FOR NANO AND MATERIAL SCIENCES
JAIN UNIVERSITY (Jain Global Campus)
Jakkasandra Post, Kanakapura Taluk,
Bangalore-562112, Karnataka, India



One - Week Online Programme on
**Research Methodology & Data
Analytics using SPSS and R**

Certificate of Participation

This is to Certify that

Dr./Mr./Ms./Miss _____

Umadevi chatla

YVU

of _____

has participated in the One - Week Online Programme on Research Methodology & Data Analytics using SPSS and R held from **1st to 6th February, 2021** organized by the Department of Master of Business Administration (M.B.A), **Sree Vidyanikethan Institute of Management, Tirupati-517 102.**

Prof. P. Narayana Reddy
Director, SVIM
Convener

Dr. Shaik Karim,
Assoc. Professor, SVIM
Coordinator



SRI SAI BABA NATIONAL DEGREE COLLEGE

(AUTONOMOUS)

ANANTHAPURAMU - 515 001 (A.P.)



Dr.C.Prabhakara Raju, M.Sc.,Ph.D.
Associate Professor of Botany

Date: 9th October, 2017

This is to Certify that, Mr. G. Mallikarjuna, Research Student of Dr. A. Chandra Sekhar, Yogi Vemana University, has visited my Algae laboratory for a period of two weeks and undergone training in handling fresh water algal samples, microscopic imaging, image analysis and algal identification upto species level as a collaboration between our two laboratories. The data thus generated in the study is worth to have a publication.

Prabhakara Raju
9/10/17
Associate Professor
Department of Botany,
S.S.B.N. Degree & P.G. College,
ANANTAPUR - 515 001

Some freshwater algae from YSR Kadapa District, with new distributional records to Andhra Pradesh, India

Gunti Mallikarjuna¹, Kola Gurulakshmi¹, Challagali Prabhakara Raju²,
Botta Venkata Ramana Naidu², Chilukuri Sai Kiran Reddy²,
Puli Chandra Obul Reddy³ and Akila Chandra Sekhar^{1,*}

¹Molecular Genetics and Functional Genomics Laboratory, Department of Biotechnology,
School of Life Sciences, Yogi Vemana University, Kadapa – 516005 (A.P., India)

²Department of Botany, Sri Sai Baba National UG & PG College (Autonomous), Anantapur – 515001 (A.P., India)

³Plant Molecular Biology Laboratory, Department of Botany, School of Life Sciences,
Yogi Vemana University, Kadapa – 516005 (A.P., India)

*Corresponding Author – chandrasekhar9@yahoo.com & acsekhar@yogivemanauniversity.ac.in

Abstract

The freshwater algal flora of YSR Kadapa District in Rayalaseema Region of Andhra Pradesh (14.4674°N latitude and 78.8241°E longitude covering about 15,379 km² area) was explored in a total of seven freshwater bodies. A total of 23 taxa have been verified morpho-taxonomically with previous reports and identified as new records for Andhra Pradesh. All these were assigned to 16 genera viz., *Aphanothece*, *Spirulina*, *Ankistrodesmus*, *Pediastrum*, *Coelastrum*, *Nephrocytium*, *Scenedesmus*, *Chaetophora*, *Cylindrocystis*, *Netrium*, *Cosmarium*, *Euastrum*, *Stauroidesmus*, *Desmidium*, *Hyalotheca*, and *Chara*. Overall in the present study identification of a rich diversity of freshwater algae from these water bodies indicates that they were still undisturbed and need protection for preservation of algal biodiversity and their potential utilization.

Key words: Fresh Water Algae, Diversity, YSR Kadapa, Andhra Pradesh.

Introduction

Algae are a large and diverse group of autotrophic organisms ranging from unicellular to multicellular forms that harbors various wet/aquatic habitats. These algae play an important role as primary producers as well as oxygen emitters in the food web in various aquatic systems (Singh *et al.*, 2014). Fresh water algal communities were classified based on their habitat as

planktons (free floating), benthoms (attached to sediments) and algae attached to hydrophytes, stones, mud, sand, reservoir rocks and lakes (Bhaskar *et al.*, 2015). The varying nature of micro and macro water habitats of indigenous fresh water frame work makes them the hot spot of diverse and rare algal communities. Physio-chemical properties of these aquatic regions play important role in seasonal variations and species diversity of

The Genus *Tetraëdron* Kutzing (Algae – Chlorophyta) from Ananthapuramu District, Andhra Pradesh, India

Gunti Mallikarjuna¹, Chilukuri Sai Kiran Reddy², Challagali Prabhakara Raju², Puli Chandra Obul Reddy³ and Akila Chandra Sekhar^{1,*}

¹Molecular Genetics and Functional Genomics Laboratory, Department of Biotechnology, School of Life Sciences, Yogi Vemana University, Kadapa – 516005 (AP., India)

²Department of Botany, Sri Sai Baba National UG and PG College (Autonomous), Anantapur – 515001 (A.P., India)

³Plant Molecular Biology Laboratory, Department of Botany, School of Life Sciences.

Yogi Vemana University, Kadapa – 516005 (A.P., India)

*Corresponding Author – chandrasekhar9@yahoo.com & acsekhar@yogivemanauniversity.ac.in

Abstract

The present paper deals with the morphotaxonomic identification of members belonging to the Genus *Tetraëdron* Kutzing (Algae – Chlorophyta). Fresh Water Algal samples were collected from various parts of Andhra Pradesh, India. The diversity of *Tetraëdron* Kutzing have been reported with a total of ten taxa from the present study area of which seven taxa were new reports to Andhra Pradesh. viz, (1), *Tetraëdron bifurcatum* (Wille) Lagerheim (2), *Tetraëdron caudatum* (Corda) Hansgirg (3), *Tetraëdron gracile* (Reinsch) Hansgirg (4), *Tetraëdron minimum* (A. Braun) Hansgirg (5), *Tetraëdron muticum* (A. Braun) Hansgirg (6), *Tetraëdron pusillum* (Wallich) West and West (7), *Tetraëdron regulare* (Reinsch) Hansgirg (8), *Tetraëdron trigonum* (Nägeli) Hansgirg (9), *Tetraëdron trilobulatum* (Reinsch) Hansgirg (10), *Tetraëdron victoriae* Woloszynska. Continuous observation for more than two years during the present study facilitated the recording of variable morphological characteristics of the members of the genus *Tetraëdron* Kutzing.

Key words: Fresh Water Algae; *Tetraëdron* Kutzing; Andhra Pradesh, India.

Introduction

Algae are simple thalloid, green, photosynthetic organisms commonly inhabit aquatic environment. They are also capable of inhabit in all kinds of moist environments, ranging from marine and freshwater to desert sands and from hot springs to snow and icy environments. They are considered as the base of aquatic food chain as a primary producer. Carbon-di-oxide

and provide oxygen for other aquatic life by their photosynthetic activity. Algae may contribute to mass mortality of other organisms, in cases of algal blooms, but they also contribute to economic well-being in the form of food, medicine, fertilizer and other important industrial products (Shrestha and Rai, 2017; Konoplya and Soares, 2011). Algae are classified into following 11 Classes: Chlorophyceae,



**CENTRE FOR NANO SCIENCE AND TECHNOLOGY
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(AUTONOMOUS)

JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY HYDERABAD

Kukatpally, Hyderabad-500 085, Andhra Pradesh, India.

NAAC
ACCREDITED

A
GRADE

CH. Shilpa Chakra

B.Tech, M.Tech., (Ph.D.)

Assistant Professor of Nanotechnology

Head of the Department

TO WHOMSOEVER IT MAY CONCERN

This is to certify that **THULASI S**, student of **M.Sc (Materials Science and Nanotechnology)** from **YV University, Kadapa**, has done her internship in Centre for Nano Science and Technology, JNTUH Institute of Science and Technology, Jawaharlal Nehru Technological University Hyderabad from **01/05/2019 to 15/06/2019**. She has worked on a project titled "**Functional Nanomaterials for Energy Applications**". This project was aimed at training the students in the preparation of Functional nanomaterials by various methods for Energy Applications.

Her performance met our expectations and she was able to complete the project in time.

We wish her all the best for her bright career.

Yours Faithfully,

CH. Shilpa Chakra
Asst. Professor of Nanotechnology
Centre for Nano Science and Technology
IST, JNTUH, Hyderabad
HEAD
Centre For Nano Science And Technology
JNTU Institute of Science & Technology,
Kukatpally, Hyderabad-500 085.



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Kukatpally, Hyderabad-500 085, Andhra Pradesh, India.

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ACCREDITED

A
GRADE

CH. Shilpa Chakra

B.Tech, M.Tech., (Ph.D.)

Assistant Professor of Nanotechnology

Head of the Department

TO WHOMSOEVER IT MAY CONCERN

This is to certify that **SRINIVSULA REDDY K**, student of M.Sc (Materials Science and Nanotechnology) from **YV University, Kadapa**, has done his internship in Centre for Nano Science and Technology, JNTUH Institute of Science and Technology, Jawaharlal Nehru Technological University Hyderabad from **01/05/2018 to 15/06/2018**. He has worked on a project titled "*Synthesis of smart nanomaterials*". This project was aimed at training the students in the preparation of nanomaterials by various methods like Microwave Assisted and Sol-Gel Techniques.

His performance met our expectations and he was able to complete the project in time.

We wish him all the best for his bright career.

Yours Faithfully,

CH. Shilpa Chakra
Asst. Professor of Nanotechnology
Centre for Nano Science and Technology
IST, JNTUH, Hyderabad
HEAD
Centre For Nano Science And Technology
JNTU Institute of Science & Technology,
Kukatpally, Hyderabad-50.



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JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY HYDERABAD
Kukatpally, Hyderabad-500 085, Andhra Pradesh, India.

CH. Shilpa Chakra

B.Tech, M.Tech., (Ph.D.)

Assistant Professor of Nanotechnology
Head of the Department

TO WHOMSOEVER IT MAY CONCERN

This is to certify that **PENCHALAMMA T**, student of **M.Sc (Materials Science and Nanotechnology)** from **YV University, Kadapa**, has done her internship in Centre for Nano Science and Technology, JNTUH Institute of Science and Technology, Jawaharlal Nehru Technological University Hyderabad from **01/05/2017 to 15/06/2017**. She has worked on a project titled "**Advanced nanomaterials**". This project was aimed at training the students in the preparation of advanced nanomaterials by various methods like Sonochemical and Solution Combustion Techniques.

Her performance met our expectations and she was able to complete the project in time.

We wish her all the best for her bright career.

Yours Faithfully,

CH. Shilpa Chakra
Asst. Professor of Nanotechnology
Centre for Nano Science and Technology
IST, JNTUH, Hyderabad
HEAD
Centre For Nano Science And Technology
JNTU Institute of Science & Technology,
Kukatpally, Hyderabad-85.



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Phone: 085541 22098
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 Mobile: 9442145579
 E-mail: vln@jntua.ac.in

Dr:12.11.2021

Dr. V.B Chithra
 Professor of English & Head
 Dept of Humanities

TO WHOMSOEVER IT MAY CONCERN

This is to certify that Mr. S. Ansar Hussain, Full Time Research Scholar, Department of English, Yogi Vemana University, Kadapa, working under the guidance of Dr.R.V. Jayanth Kasyap visited our institution during 8-12 November 2021 for the purpose of administering questionnaires and to seek suggestions from the members of faculty in the Department of Humanities and Social Sciences. His research focus is on "Use of Literary Sources for Soft Skills" which is a relevant and worth researching domain.

Dr. V.B. CHITHRA

M.A., M. Phil., Ph.D.
 Professor of English
 Dept. of Humanities
 J.N.T.U.A. College of Engineering
 JNTU University, Anantapuramu-515 002

Prof. K. CHOWDOJI RAO

M.Sc., Ph.D.,

UGC BSR FACULTY FELLOW

Dept. of Polymer Science & Technology



SRI KRISHNADEVARAYA UNIVERSITY
Ananthapuram - 515 003, A.P. INDIA

Res : 08554 255266, 255355
Off : 08554 255892, 255455
Cell : 094405 33906, 094901 88194
E-mail : chowdojirao@gmail.com
Fax : +91-8554-255244, 255455

To Whomsoever it may concern

This is to certify that B. Prasanna and A. Sreedivya, students of M.Sc. Materials Science and Nanotechnology (2017-2019 Batch), Yogi Vemana University, Kadapa has carried out **SUMMER INTERNSHIP** for a period of 3 weeks i.e. 01.05.2018 to 21.05.2018 in my laboratory in the Dept of Polymer Science Technology, S.K. University, Anantapur. They worked on the *Development of various polymer based nanocomposites members and their characterization*". Both these students were very sincere and punctual to their work and posses good character.

K. Chowdoji Rao
21/05/18

K.CHOWDOJI RAO

**Prof. K. CHOWDOJI RAO M.Sc., Ph.D.,
UGC-BSR Emeritus Professor
Dept. of Polymer Science & Technology
Sri Krishnadevaraya University
ANANTAPURAMU-515003. (A.P.)**

Prof. K. CHOWDOJI RAO

M.Sc., Ph.D.,

UGC BSR FACULTY FELLOW

Dept. of Polymer Science & Technology



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Cell : 094405 33906, 094901 88194
E-mail : chowdojirao@gmail.com
Fax : +91-8554-255244, 255455

To Whomsoever it may concern

This is to certify that K. Chandrahas Reddy, a student of M.Sc Materials Science & Nanotechnology (2018-2020 batch) Yogi Vemana University, Kadapa carried out his SUMMER INTERNSHIP in the department of Polymer Science and Technology, S.K. University, Anantapur for a period of 4 weeks from 10.05.2019 to 08.06.2019 on the 'Preparation and Characterization of Natural Polymer Gels for Drug Delivery Applications'. He is a good student and possesses good character.

K. Chowdoji Rao
08/06/20

K. CHOWDOJI RAO

**Prof. K. CHOWDOJI RAO M.Sc., Ph.D.,
UGC-BSR Emeritus Professor
Dept. of Polymer Science & Technology
Sri Krishnadevaraya University
ANANTAPURAMU-515003. (A.P.)**



19th October, 2021

TO WHOM SO EVER IT MAY CONCERN

This is to certify that, **Mrs. Sameena Shaik** has visited the sequencing facility of Agrigenome Labs Pvt. Ltd., Hyderabad and undergone training in Big Data Analysis (Sequence information generated) of the information generated as a part of collaborative work between laboratory of Dr. A. Chandra Sekhar, Yogi Vemana University, Kadapa.

Thank you

For Agrigenome Labs Private Limited

LS Dora
Authorised signator



AgriGenome Labs Private Limited

Kochi : 501, 5th Floor, SCK 01 Building
SmartCity Kochi, Infopark Road,
Kakkanad, Kerala, India-682 042

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Regional Office

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South Patel Nagar, Near Metro Station
Gate No. 04 New Delhi - 110008

T : 011-49785683
E : info@aggenome.com



02nd August 2021

TO WHOM SO EVER IT MAY CONCERN

This is to Certify that, **Mr. G. Mallikarjuna** has visited our laboratory for a period of two weeks and undergone training in handling of the GC-MS, analysis of the data and interpretation of the chromatogram generated. As a part of the collaboration between ATGC, Hyderabad and Dept of Biotechnology, YVU, Kadapa a set of 28 bio diesel samples were analyzed during the period.

All the Best

For ATGC Biotech Private Ltd.

P. Ramesh Babu

Authorized signatory



ATGC Biotech Pvt. Ltd.

Registered Office :
Plot No 1, Maalaxmi Residency
Behind Chandra Reddy Gardens, Kompally
Hyderabad 500 014, Telangana, India.
M : +91 95505 72227 | CIN : U24232TG2011PTC075066

Lab :
LSI Incubator IKP Knowledge Park, Genome Vally
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Hyderabad 500 078, Telangana, India.
M : +91 84182 33451

E : info@atgc.in
W : www.atgc.in

2017 (34)

Max-Planck-Institut für Evolutionsbiologie

Max-Planck-Institute for Evolutionary Biology
Department of Evolutionary Genetics



MAX-PLANCK-GESELLSCHAFT

MPI für Evolutionsbiologie • Evolutionsgenetik • August-Thienemann-Str. 2 • D-24306 Plön

Dr. Julien Y. Dutheil
Molecular Systems Evolution
Department of
Evolutionary Genetics
Tel.: ++49 (0)4522 763-298
Fax: ++49 (0)4522 763 281
dutheil@evolbio.mpg.de

Plön, 27.01.2017

Subject: invitation to Mr Manoj Gupta for a stay at the Max Planck Institute for Evolutionary Biology in Plön, Germany, from March 13th to June 2nd 2017.

Dear Mrs, Mme, Mr,

By this letter I formally declare that I have invited Mr Manoj Gupta to visit my group located at the Max Planck Institute for Evolutionary Biology in Plön, Germany. His stay is part of Mr Manoj's doctoral studies, as a collaboration between my group and Prof. Dr Vadde Ramakrishna, from the department of biotechnology and bioinformatics at the Yogi Vemana university, India. During his stay at the Max Planck institute for evolutionary biology, starting Monday 13/03/17 and ending Friday 02/06/17, Mr Gupta will conduct computational studies, including structural bioinformatics and population genomics. While hosting him, my group will provide expertise and technologies to support Mr Gupta's research. As an internship student, Mr Gupka will benefit from free hosting and a wage of 300 euros per month to cover his expenses.

Sincerely yours,

Dr. Julien Yann Dutheil.

Project collaboration YVU-NIAB

From: Dakshayani Lomada (dlomada@yahoo.com)

To: anand@niab.org.in

Date: Wednesday, January 24, 2018, 01:12 PM GMT+5:30

Dear Sir,

We are Dr.L.Dakshayan and Dr. C. Madhava Reddy from Yogi Vemana University working on Nanoparticles and Cancer using murine model. Thank you for accepting our collaboration (on phone) with you. We are planning to do **immuno phenotyping of our tumor samples by using flow cytometer**. We will stain our samples with antibodies and then fix them before we bring to **NIAB**. My PhD student **Surendra** will bring the samples to run on flow cytometer. Would you please book the time on Monday or Tuesday (**29 or 30 January**) to run our samples. We will be having about 50 samples. We are happy to work with you and will publish the data together. Thank you in advance.

Best Regards

Dakshayani & Madhava Reddy
Yogi Vemana University
Kadapa

2018

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