

**VPM's B N Bandodkar College of Science, (Autonomous)**  
**Thane -400601**

**3.2.1. *Grants received from Government and Non-Governmental agencies for research projects, endowments, Chairs during the year (INR in Lakhs):***

**E- Copies of the Grant Letter**

# वेदाज्ञा

## CERTIFICATE OF MENTORSHIP

This is to certify that

**Dr. Jayashree Pawar**

from **VPM's B.N. Bhandodkar College of Science, Thane**

has contributed as **Principal Investigator/ Mentor** for the WEnyan awardee

who was granted the scholarship to pursue a research project in Chemistry under the

**WEnyan Scholarship and Mentorship Program - For Women in STEM Education & Careers** Implemented by

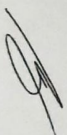
Pune Knowledge Cluster and Supported by BASF Chemicals India Pvt. Ltd. in the year 2022 - 2023.

We appreciate the contribution of the Mentor and extend our gratitude for the efforts.



**Dr. Priya Nagaraj**

Chief Executive Officer  
Pune Knowledge Cluster



**Alexander Gerding**

Managing Director, BASF India Ltd.  
Head - BASF Group Companies in India



**D • BASF**  
We create chemistry



ritika



- 99+ Compose
- Mail
  - Inbox 4,701
  - Starred
  - Snoozed
  - Important
  - Sent
  - Drafts 133
  - Categories
  - More

- Labels
- INBOX/Drafts
  - INBOX/Sent
  - INBOX/Trash 227

### RESULTS : WEnyan Program Selection Announcement External Inbox x



**Ritika Ganguly** <ritika.ganguly@pkc.org.in>  
to kavitagowda7650, me, Shilpa, Shital, wenyan

Fri, Oct 14, 2022

Dear Kavita Gowda ,

Thank you for applying for the WEnyan Program.

***Congratulations!***

We are pleased to inform you that you have been selected for the award of the WEnyan Scholarship for your Bachelor's this program, you will be awarded a scholarship of **Rs. 10,000/month** for **3 months** during the course of your research pr

We will be sharing further details about initiation of the project soon.

**Kindly confirm** receipt of this email and reply indicating whether you are willing to accept the scholarship **by 18th Octob**

***If we don't hear back from you by 18th October, we will assume that you have declined to be part of the program.***

For any further queries please contact us by mobile: [+917823892474](tel:+917823892474) or email: [wenyan@pkc.org.in](mailto:wenyan@pkc.org.in)

Congratulations once again and we look forward to hearing from you.

Best wishes,  
WEnyan Team



ritika



99+

Compose

Mail

Inbox 4,701

Chat

Starred

Snoozed

Spaces

Important

Sent

Meet

Drafts 133

Categories

More

Labels

INBOX/Drafts

INBOX/Sent

INBOX/Trash 227

### Selection for WEnyan Scholarship Program External Inbox x



**wenyan pkc** <wenyan@pkc.org.in>  
to me, Shilpa, Ritika

Tue, Sep 6, 2022

Dear Dr. Jayashree Pawar,

This mail is regarding the selection of one of your students (Kavita Devaraj Gowda ) whose application has been shortlisted program.

We have arranged an online session for the selected students to explain to them the presentation that they should be making

There are a few important points for the project guide/ mentor:

1. The PI/Mentor/ project guide is requested to be present on the date of her final presentation in front of the committee.
2. The student has been given the template in which she will have to make a presentation.
3. The PI/Mentor/ project guide can also be present for the orientation session for the selected participants to help them with their presentation. Please find the zoom link for orientation sessions on:

*Wednesday, 7th Sept 2022 from 04.00 PM to 04.45 PM IST and/or  
Thursday, 8th Sept 2022 from 10.30 AM to 11.15 PM IST*

**Zoom Meeting Details:**

<https://us06web.zoom.us/j/88188008186?pwd=ZVRGRmttTUywdHlObmZhUzNNZWxkEQTO9>

Meeting ID: 881 8800 8186

Passcode: 790011

4. The final presentation will take place **online** (over zoom), tentatively on any day between **16th to 22nd of September**



## THE PUNE KNOWLEDGE CLUSTER (PKC)

Established by the Office of the Principal Scientific Advisor to the Government of India.  
Administered by the Inter-University Centre for Astronomy and Astrophysics (IUCAA).

09 November 2022

Ms. Kavita Devaraj Gowda  
Mobile: 9867905699  
kavitagowda7650@gmail.com

Dear Ms.Gowda,

I am happy to inform you that you have been awarded a scholarship by Pune Knowledge Cluster to pursue a Bachelor's program research project in Chemistry under the **Wenyan Scholarship and Mentorship Program for Women in STEM Education & Careers**, supported by **BASF Chemicals India Pvt. Ltd.**

You will receive a scholarship of Rs. 10,000.00 per month for a period of 3 (three) months with effect from **December 01, 2022**, subject to your agreement of all the terms and conditions as mentioned in the Annexure: I.

We wish you all the best for your project and hope that this scholarship will enable you to pursue your career interests in the field of Chemistry.

Sincerely,

Dr. Ranganayaki Nagaraj  
Chief Operating Officer (COO),  
Pune Knowledge Cluster (PKC)





Annexure: I

## AGREEMENT

This Agreement is made on this 22<sup>nd</sup> day of November, 2022 between

- 1) **Pune Knowledge Cluster**, Savitribai Phule Pune University Campus Pune 411 007, Maharashtra, India, A Project set up by Principal Scientific Advisor (PSA), Government of India Inter-University Centre for Astronomy and Astrophysics (IUCAA), Pune University Campus, Pune 411007, Here in after referred to as "PKC" (which expression shall, unless repugnant to the context or meaning thereof, mean and include its successors-in-title)

AND

- 2) **Ms. Kavita Gowda**..... from **B.N. Bandodkar college of science (Thane Autonomous)** college, the candidate selected for awarding a Scholarship under the **WEnyan Scholarship and Mentorship Program for Women in STEM Education & Careers**, supported by **BASF Chemicals India Pvt. Ltd.**, under their Corporate Social Responsibility (CSR) funding program.
- Ms. Kavita Gowda**..... is working under the mentorship/guidance of **Prof. Dr. Jayashree Pawar and Dr. Kalpita Mulye**..... from the college **B.N. Bandodkar college of science (Thane Autonomous)**....., which is also the project implementation site for the candidate.

Kavita

PSA

PKC has approved the said Project and agreed to provide a scholarship of INR 10,000 per month for 3(three) months subject to the following conditions:

1. **The candidate, Ms Kavita Crowda , shall**
  - i. Carry out the activities of the project and conform to the specified objectives, outputs, milestones, and targets as mentioned in the proposal submitted.
  - ii. Submit a progress report every month to the Project Manager, PKC and participate in the meetings organized by PKC, to review the progress of the project, as and when called for, to the PKC office.
  - iii. Submit a Project Completion Report to the Project Manager in the format provided at the end of three months.
  - iv. Post duration of support, agree to provide regular updates on the progress of project, career journey, publications, with the PKC team as and when required for the duration of **1 year post duration of support**.
  - v. Acknowledge the assistance of **PKC WEnyan Scholarship and Mentorship Program for Women in STEM Education & Careers**, supported by **BASF Chemicals India Pvt. Ltd.** in publications, news articles, talks etc. associated with this project its progress and its success.
  - vi. Agree to interviews, sharing project related information, details about personal background for press, social media and other coverage to showcase the impact of the WEnyan Program.
2. **The candidate warrants** that each and every one of the statements and particulars herein contained in this agreement and in the relevant and supporting documents to this agreement are correct.
3. **The effective date and tenure of the Scholarship**
  - i. The **Scholarship** shall be effective from the date of its signing by both the parties.
  - ii. The **Scholarship** shall be valid till 3(three) months thereafter.
  - iii. Two copies of this Agreement shall be signed by both the parties and one copy each shall remain in the custody of each party.







The Parties hereto through its duly authorized representatives have signed this Agreement on the day, month and year mentioned hereinbefore.

**Parties**

**1. ON BEHALF OF THE PUNE KNOWLEDGE CLUSTER**

  
Dr. Ranganayaki Nagaraj  
Chief Operating Officer (COO),  
Pune Knowledge Cluster (PKC)  
Date: 22/11/2022

**2. CANDIDATE**

  
Name: Ms Kavita Gowda  
Date: 22 NOVEMBER/22



**RESEARCH PROJECT PROPOSAL****WEnyan Scholarship and Mentorship Program for Women in STEM Education & Careers  
(Category A - BS)**

<b>Name of the student:</b>	Ms. Kavita Gowda
<b>Name of the college:</b>	VPM's B. N. Bandodkar College of Science (Autonomous)
<b>Title of the Project</b>	<b>'Gut Feeling' of <i>Sitophilus oryzae</i> about LDPE degradation</b>
<b>Details of the project</b>  Please provide answers to Q a, b, c separately.	
a. The problem or the question the project aims to answer.	<p>Low-density polyethylene (LDPE) plastic, a ubiquitous synthetic polymer, is popular for its widespread use, ease of synthesis, and consumer satisfying properties. Billions of tons of plastics are produced worldwide every year, number increasing exponentially each year in view of its efficient and multipurpose use (Yuan et al., 2020).</p> <p>In spite of versatile applications, plastic and related polymers have created havoc in the last few decades, being recalcitrant to chemical degradation processes. Plastic accumulation leads to flooding by choking the water draining system. It also gets incorporated into the food chain of animals and damage their digestive system. Long term plastic accumulation in soil severely affects its microbial community structure (Gupta and Nair, 2020). The plastic waste in landfills takes up lots of space and may release carcinogens. Incineration of LDPE leads to release of various detrimental and recalcitrant chemicals and cause health associated issues. Thus, the remediation of plastic is the need of the hour!</p> <p>One promising sustainable solution is biodegradation. Recent studies have implicated the role of plastic-eating worms that digest and convert plastic into non-hazardous compounds</p>

*Kavita*

*Rst*

(Bombelli et al., 2017). Mandibulate insects have been shown to 'chew' as well as 'degrade' plastic packages, including those made of polyethylene (PE) (Riudavets et.al, 2007). Insect gut-microbiota and related enzymes are presumed to play a vital role in the degradation process. Interestingly, gut microbiota of insects seems to have been evolving according to the prevalence of recalcitrant xenobiotics like plastics (Seonghan et.al, 2020).

*Sitophilus spp.*, common pests in stored grain, are considered to be plastic eating worms and thus can be a probable solution to plastic degradation in a non-hazardous way. Studies have indicated the role of gut flora of *Sitophilus oryzae* in degradation of cellulose (Prasad et al., 2016; Prasad et al., 2019). However, to the best of our knowledge, studies on the 'yet uncultured' gut-microbiota of *Sitophilus* in plastic biodegradation are lacking.

Dilute nutrient media simulating the natural environment have been cited as promising way of isolating the 'yet uncultured' bacteria in literature (Pham and Kim, 2012). We strongly believe in the tremendous potential these novel bacteria possess, in many applications, including LDPE biodegradation.

Present study aims at isolation of probable novel bacteria from the gut of *Sitophilus oryzae*, involved in LDPE biodegradation, using dilute nutrient media containing *Sitophilus oryzae* gut washing, and also using LDPE exposed to UV light and heat treatment.

1. Gupta A and Nair S (2020) Dynamics of Insect–Microbiome Interaction Influence Host and Microbial Symbiont. Front. Microbiol. 11:1357. doi: 10.3389/fmicb.2020.01357
2. Prasad, R., Sharma, S., Dattaa, S., Raju, P. S. (2016). Isolation and characterization of cellulolytic gut microbes from rice weevil (*Sitophilus oryzae*) and their potential role in organic wastes biodegradation. Proceedings of the 57th Annual Conference & International Symposium of Association of



<p>b. Describe what will be done in the project</p>	<p>Preliminary work has been performed earlier in Department of Biotechnology and Microbiology, VPM's B. N. Bandodkar College of Science, Thane.</p> <p>Role of microbial consortia from domestic sludge in LDPE degradation; as well as effect of UV treatment on the same, as revealed from microscopic observation of the LDPE film (Pawar et al., 2015) and FTIR analysis (unpublished data); has been studied.</p> <p>Also, bacteria from the gut of <i>Sitophilus oryzae</i> involved in LDPE degradation were enriched before lockdown (Pawar et al., 2022). The culture was, however, lost during long lockdown period incubation.</p> <p>Present study would comprise of following steps:</p> <ul style="list-style-type: none"> <li>● Collection and surface sterilization of <i>Sitophilus oryzae</i> (using sterilized filter paper dipped in 70% alcohol)</li> <li>● Pulverization of weevil gut using sterile glass rod to release the gut flora in water; followed by homogenization by vortexing,</li> <li>● Inoculum: <i>Sitophilus oryzae</i> gut extract</li> <li>● Cultivation media: Enrichment: Sterile dilute nutrient media containing gut extract, with surface sterilized LDPE pieces of known size (UV exposed and non-exposed and heat exposed and unexposed).</li> <li>● Appropriate control system in similar media, inoculated with sterile D/W would also be set up</li> <li>● Incubation at room temperature with regular observations till visible changes in LDPE film appear (formation of biofilm observed under light microscope with 1000X magnification/ formation of holes in the film)</li> <li>● Isolation of the probable novel bacteria on agar containing media with similar composition</li> <li>● Molecular (16S rRNA gene based) identification of the culture</li> <li>● Confirmation of LDPE biodegradation by isolated cultures/ consortia by FTIR and electron microscopy</li> </ul>
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<p><b>Project objectives</b></p> <p>a) [specific &amp; measurable objective 1]  b) [specific &amp; measurable objective 2]  c) [specific &amp; measurable objective 3]</p>	<ol style="list-style-type: none"> <li>1. To isolate LDPE degrading probable novel bacteria from the gut of <i>Sitophilus oryzae</i> using dilute cultivation media simulating the weevil gut environment</li> <li>2. To confirm LDPE degradation by FTIR analysis and electron microscopy</li> <li>3. To study synergistic effect, if any, of UV treatment and heat treatment of LDPE film in the degradation process</li> </ol>
<p><b>Possible outcomes of the Project</b> (could be one or more)</p>	<ul style="list-style-type: none"> <li>● Possibility of isolating novel bacteria from <i>Sitophilus oryzae</i> gut, involved in LDPE biodegradation</li> <li>● Synergistic effect of UV treatment, heat treatment and microbial degradation on LDPE and scaling up for large scale degradation</li> </ul>
<p><b>Proposed starting date</b></p>	<p>1<sup>st</sup> December 2022</p>
<p><b>Duration of the project (in months)</b></p>	<p>3 to 4 months</p>

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## MILESTONE

### WEnyan Scholarship and Mentorship Program for Women in STEM Education & Careers (Category A - BS)

This is a work-plan for the milestones to be achieved upon completion of the project work.

Table:1 informs about the major objectives laid down for each milestone and any relevant documents to be prepared for that stage in the project.

M0 is assigned for the start day of the project.

Table: 1 - MILESTONE

MILESTONE	OBJECTIVES & ACTIVITY
Milestone 0 (M0)	<ul style="list-style-type: none"><li>❖ Signing of documents</li><li>❖ Start of Scholarship</li></ul>
Milestone 1 (M1) at end of 2 month	<ul style="list-style-type: none"><li>❖ <b>Specific objectives:</b><ul style="list-style-type: none"><li>■ Processes to be undertaken<ol style="list-style-type: none"><li>1) Procurement of <i>Sitophilus oryzae</i>.</li><li>2) Extraction of gut of <i>Sitophilus oryzae</i>, once the required number of <i>Sitophilus oryzae</i> are grown, that contains dilute nutrient media simulating the gut flora.</li><li>3) Plastic pieces treatment with UV and heat</li><li>4) Setting up of test and control systems</li><li>5) Incubation of test and control systems with regular checking after every 15 days.</li></ol></li><li>■ Outcomes expected<ol style="list-style-type: none"><li>1) Presence of biofilm would be observed for LDPE plastic of test and control systems.</li><li>2) Presence of visible turbidity in test system would be observed.</li></ol></li><li>■ Results/Analysis Examination of LDPE plastic of test and control systems under light microscope (1000× magnification)</li></ul></li><li>❖ <b>Update report</b></li></ul>
Milestone 2 (M2) at end of 3 months	<ul style="list-style-type: none"><li>❖ <b>Specific objectives:</b><ul style="list-style-type: none"><li>■ Processes to be undertaken<ol style="list-style-type: none"><li>1. Examining LDPE plastic piece in test system and control system under a light microscope.</li></ol></li></ul></li></ul>

	<p>2. These plastic from test system and control system showing promising results would be carried out for FTIR (Fourier Transform Infrared), SEM (Scanning Electron Microscopy), WCA (Water Contact Angle) and 16s rRNA sequencing</p> <ul style="list-style-type: none"> <li>■ Outcomes expected       <ol style="list-style-type: none"> <li>1. Visual settling down of LDPE plastic (due to decreased hydrophobicity) would be observed.</li> <li>2. Isolation of novel bacteria from the gut of <i>Sitophilus oryzae</i> by using semi-solid media.</li> </ol> </li> <li>■ Results/Analysis       <ol style="list-style-type: none"> <li>1. Confirmation of Results using FTIR (Fourier Transform Infrared), SEM (Scanning Electron Microscopy), WCA (Water Contact Angle)</li> <li>2. Molecular identification of culture using 16s rRNA sequencing</li> </ol> </li> <li>❖ <b>Final project report submission</b></li> <li>❖ <b>Close of scholarship</b></li> </ul>
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Please follow this guideline while entering details in this table:

Do not change the text in **bold**, marked by ❖ .

Brief details should be added under the headings marked by ■ .

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Office of the Additional Principal Chief Conservator of Forests, Mangrove Cell, Mumbai &  
Executive Director, Mangrove and Marine Biodiversity Conservation Foundation of Maharashtra  
302, 3<sup>rd</sup> Floor, Wakefield House, Above Britannia & Co. Restaurant, Ballard Estate, Fort, Mumbai -  
400001, Ph.022-22694984/22694985  
email id : ccfmangrove@mahaforest.gov.in / ccfmmumbai@gmail.com / mangrovefn@gmail.com



MFN / 2019 - 20 / 264

Date: 14/11/2019

To

Ms. Sayali Daptardar  
VPM's BN Bandodkar College of Science  
Jnanadweep, College Campus,  
Chendani Bunder Road,  
Thane (West) - 400601  
Maharashtra

**Sub:** Sanction of the Project proposal entitled "Isolation and Identification of Industrially Important Microbial Producers of L-Asparaginase from Mangroves of Maharashtra" under the Small Grants Programme of the Mangrove Foundation.

This is with reference to your project proposal entitled "Isolation and Identification of Industrially Important Microbial Producers of L-Asparaginase from Mangroves of Maharashtra" received under the Small Grants Programme of the Mangrove Foundation. In this context, we would like to inform you as under:

1. The above project is being sanctioned to Ms. Sayali Daptardar from VPM's BN Bandodkar College of Science as per the proposal referred above.
2. The total grants-in-aid of the aforesaid project is ₹ 4,00,000/- (Rupees Four Lakhs only) inclusive of all applicable taxes.
3. In order to complete the project sanction process, request you to send us the following documents:
  - a. Letter of Acceptance for undertaking the project keeping in view the Terms & Conditions as mentioned in the Agreement document (attached herewith).
  - b. Execution of a Bond on stamp paper of Rs. 100.00 and signing of Agreement as per the enclosed draft documents (copy of the signed documents will be sent to you for record).
  - c. Details of Bank A/C indicating name of Payee, Bank Name, Bank Branch, Account No, IFSC Code, PAN No. For direct remittance through RTGS/NEFT.
  - d. A detailed Work Plan of the project activities.

(Neenu Somaraj, IFS)  
Deputy Conservator of Forests,  
Mangrove Cell &  
Joint Director, Mangrove Foundation

12/16/21, 8:19 AM

Gmail - Regarding your project, ' Isolation & Identification of Industrially Important Microbial Producers of L-Asparaginase from Mumbai Mangroves'



Sayali Daptardar <sayali.daptardar@gmail.com>

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**Regarding your project, ' Isolation & Identification of Industrially Important Microbial Producers of L-Asparaginase from Mumbai Mangroves'**

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**Mangrove Foundation** <smallgrants.mfn@gmail.com>  
To: Sayali Daptardar <sayali.daptardar@gmail.com>  
Cc: dd.research.mfn@gmail.com, Principal BNB <prinbnb@vpmthane.org>, mangrovefn@gmail.com

Tue, Dec 14, 2021 at 5:18 PM

Madam,

With reference to your email and as per your request, a **no-cost** project tenure extension has been granted to your research project till 31/12/2022.

[Quoted text hidden]





Sayali Daptardar &lt;sayali.daptardar@gmail.com&gt;

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**Regarding your project, ' Isolation & Identification of Industrially Important Microbial Producers of L-Asparaginase from Mumbai Mangroves'**

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**Mangrove Foundation** <smallgrants.mfn@gmail.com>

Wed, Dec 7, 2022 at 3:36 PM

To: Sayali Daptardar &lt;sayali.daptardar@gmail.com&gt;

Cc: dd.research.mfn@gmail.com, researchofficer.mfn@gmail.com, Principal BNB &lt;prinbnb@vpmthane.org&gt;

Madam,

With reference to the Small Grants Project 'Isolation & identification of industrially important microbial producers of L-Asparaginase from mangroves of Maharashtra', we would like to know the status of the progress of the project work. The tenure of the project is till 31/12/2022 and hence the final report for the said project needs to be submitted as per the project timeframe. The second installment of the project fund (Rs. 1,20,000/-) was released to B.N. Bandodkar College in the month of March 2022 (dated 11/03/2022) and the final fund installment will be released after the submission of the final report and the related documents as mentioned in the agreement document of the project.

[Quoted text hidden]

# University of Mumbai



Academic Planning and  
Development Section  
No. APD/ICD/2019-20/762  
17<sup>th</sup> March, 2020

Sub : Minor Research Grant Project 2019-20

Sir/Madam,

I am directed to inform you that the said proposal has been considered by the University and the research grant as quoted above is sanctioned to the researcher.

The sanctioned amount will be disbursed in two installments. The first installment of 40% of the sanctioned amount will be disbursed within the month of March. The remaining 60% amount will be disbursed up to 31<sup>st</sup> December, 2020.

The researcher is expected to spend 60% amount initially from his/her own resources to carry out the work.

Further, I am to inform you that the researcher will have to utilize the 40% sanctioned amount on or before 31<sup>st</sup> March, 2020 and submit original bills/vouchers of the expenditure along with Utilization Certificate duly certified by the Principal/Director/Head/Institute/University Department/College to the Accounts Section of the University.

Please note that 60% balance amount, out of sanctioned grant will be released after Poster Presentation & final approval of the committee. Therefore you need to submit of utilization certificate after presentation of your research including bills/vouchers/receipts in original through University Account Section.

The report of the research work carried out by the concerned researcher will have to be submitted to the University on or before 31<sup>st</sup> December, 2020.

**The Principal/Head of the Institute are requested to inform the researcher accordingly and arrange to forward his/her undertaking immediately to enable this office to release first installment of the research grant.**

Yours faithfully,

Deepak V. More  
Assistant Registrar  
(APD Section)

781	Dr Rita Das	Bhartiya Vidya Bhavani's Sardar Patel Institute of Technology	40000
782	Ms. Pranoti Chinmay Khanolkar	K.J. Somaiya College of Engineering	40000
783	Amit Subhash Yadav	Parle Tilak Vidyalaya Association's Mulund College of Commerce	40000
784	Dr. Poonam Nirmalkumar Kurve	B. N. Bandodkar College of Science	50000
785	Dr. Sonal P. Tavde	B. K. Birla College, Kalyan	40000
786	Dr. Vandana Gupta	B. K. Birla College, Kalyan	40000
<b>Bio-analytical Science (Apex Committee)</b>			
Project No.	Name of Principal Investigator	College name	Grant Sanction
787	Sachin Palekar	Ruia College, Matunga	40000
<b>Biotechnology (Apex Committee)</b>			
Project No.	Name of Principal Investigator	College name	Grant Sanction
788	Jyoti Raju Kadam	Mahatma Education Society's Pillai's College of Architecture Dr. K.M. Vasudevan Pillai's Campus Sector 10 16 New Panvel - 410206	40000
789	Dr. JayaPrada Rao Chunduri	Shri Vile Parle Kelvani Mandal's Mithibai College of Arts Chauhan Institute of Science and Amrutben Jivanlal College of Commerce and Economics	60000
790	Dr. (Mrs.) Aparna Deeshmukh	Thakur Educational Trust's Thakur College of Science & Commerce	40000
791	Dr. Shiney Peter	St. Xavier's College	70000
792	Ms. Norine D'Souza	St. Xavier's College	70000
793	Dr. Annika Gupta	Kalyan Citizens' Education Society's Birla College of Arts Science & Commerce	40000
794	Dr. Shivani Kakkar Khanna	Kalyan Citizens' Education Society's Birla College of Arts Science & Commerce	40000
795	Dr.Minal M.Trivedi	Kalyan Citizens' Education Society's Birla College of Arts Science & Commerce	35000
796	Dr. Rajpal Shripat Hande	Shri Vile Parle Kelvani Mandal's Mithibai College of Arts Chauhan Institute of Science and Amrutben Jivanlal College of Commerce and Economics	40000
<b>Information Technology (Science) (Apex Committee)</b>			
Project No.	Name of Principal Investigator	College name	Grant Sanction
797	Ms. Varsha Umesh Dhanawade	South Indian Education Society's College of Commerce & Economics	35000
798	Mr. Wendrich Soares	Vedanta College of Management and Information Technology	28000
799	Payal Shah	Vidyalankar School of Information Technology	15000
800	Mr. Prashant M Savdekar	Vedanta College of Management and Information Technology	30000

University of Mumbai



Research Project No :784

NAME OF THE RESEARCHER : Dr. Poonam Nirmalkumar Kurve  
LECTURE IN : Environmental Science  
AMOUNT SANCTIONED : Rs. 50,000/-  
CO-INVESTIGATOR :

Ref No. AAMS/ICD/106 of 2021

23<sup>rd</sup> July, 2021

To:  
Vidya Prasarak Mandal's B.N. Bandodkar College of Science,  
Jnanadweep Chendani Bunder Road,  
Thane-400 601

Sub: - Minor Research Grant Project.

Sir/Madam,

I am directed to inform you that the said proposal has been considered by the University and the research grant as quoted above is sanctioned to the researcher.

The sanctioned amount will be disbursed in two installments. The first installment of 70% of the sanctioned amount will be disbursed within the month of August. The remaining 30% amount will be disbursed up to 31st December, 2021.

The researcher is expected to spend 30% amount initially from his/her own resources to carry out the work.

Further, I am to inform you that the researcher will have to utilize the 100% sanctioned amount on or before 31st December, 2021 and submit original bills/vouchers of the expenditure alongwith Utilization Certificate duly certified by the Principal/ Director/ Head/Institute/University Department of the College to The Deputy Registrar, Accounts Section, Mahatma Phule Bhavan, Vidyanageri, Kalina Campus, University of Mumbai, Mumbai - 400 098.

The report of the research work carried out by the concerned researcher will have to be submitted to the University on or before 31st December, 2021.

The Principal/Head of the Institute are requested to inform the researcher accordingly and arrange to forward his/her undertaking immediately to enable this office to release first installment of the research grant.

Yours faithfully,

Assistant Registrar  
(Academic Planning & Development Section)



# University of Mumbai



Academic Planning and  
Development Section  
No. APD/ICD/2019-20/762  
17<sup>th</sup> March, 2020

Sub : Minor Research Grant Project 2019-20

Sir/Madam,

I am directed to inform you that the said proposal has been considered by the University and the research grant as quoted above is sanctioned to the researcher.

The sanctioned amount will be disbursed in two installments. The first installment of 40% of the sanctioned amount will be disbursed within the month of March. The remaining 60% amount will be disbursed up to 31<sup>st</sup> December, 2020.

The researcher is expected to spend 60% amount initially from his/her own resources to carry out the work.

Further, I am to inform you that the researcher will have to utilize the 40% sanctioned amount on or before 31<sup>st</sup> March, 2020 and submit original bills/vouchers of the expenditure along with Utilization Certificate duly certified by the Principal/Director/Head/Institute/University Department/College to the Accounts Section of the University.

Please note that 60% balance amount, out of sanctioned grant will be released after Poster Presentation & final approval of the committee. Therefore you need to submit of utilization certificate after presentation of your research including bills/vouchers/receipts in original through University Account Section.

The report of the research work carried out by the concerned researcher will have to be submitted to the University on or before 31<sup>st</sup> December, 2020.

**The Principal/Head of the Institute are requested to inform the researcher accordingly and arrange to forward his/her undertaking immediately to enable this office to release first installment of the research grant.**

Yours faithfully,

Deepak V. More  
Assistant Registrar  
(APD Section)

666	dipti D. Gharat	Late Shri Vishnu Waman Thakur Charitable Trust's Bhaskar Waman Thakur College of Science Yashvant Keshav Patil College of Commerce Vidya Dayanand Patil College of Arts	20000
667	Priya Pankaj Bhagat	Janseva Shikshan Mandal's, S. G. Arts, Science and Commerce College,	30000
668	Dr Shivani Prabir Banerjee	Satish Pradhan Dnyansadhana College Thane (Arts Science and Commerce )	30000
669	Dr. Kiran Bhimrao Upar	National Education Society Ratnam College of Arts Science and Commerce	40000
670	Dr. (Mrs). C.T. Chakraborty	Thakur Educational Trust's Thakur College of Science & Commerce	40000
671	Ms. Sunita Saheb Khansole	"Mahatma Education Society's Pillai HOC College of Engg. & Technology Educational Campus HOC Colony Rasayani Tal.Khalapur \r\nDist. Raigad.-410 207\r\n"	25000
672	Dr. Anita S. Goswami-Giri	Vidya Prasarak Mandal's B.N. Bandodkar College of Science	25000
673	Dr. Riyaz ahmad Dar	Maharashtra College of Arts Science and Commerce	45000
674	Dr. Mithun Gopal Mondal	K.J. Somaiya College of Science & Commerce	40000
675	Dr. Nilesh Nivas Korgavkar	Shri Vile Parle Kelvani Mandal's Mithibai College of Arts Chauhan Institute of Science and Amrutben Jivanlal College of Commerce and Economics	40000
676	Dr. Willy Shah	Sonopant Dandekar Arts College V.S. Apte Commerce and M.H. Mehta Science College	40000
677	Dr. Abhimanyu K. Yadav	Shiromani Gurudwarya Prabandhak Committee's Guru Nanak Khalsa College of Arts Science & Commerce	25000
678	Dr Poonam Hemnani	St. Francis Institute of Technology (Engineering College)	40000
679	Dr. Sharad S. Sankhe	Chikitsak Samuha's Sir Sitaram and Lady Shantabi Patkar College of Arts and Science and V.P. Varde College of Commerce & Economics	25000
680	Dr. Ramesh Shriranga Yamgar	Chikitsak Samuha's Sir Sitaram and Lady Shantabi Patkar College of Arts and Science and V.P. Varde College of Commerce & Economics	30000
681	Dr. Hemlata K. Bagla	Kishinchand Chellaram College	60000
682	SOPAN TEJRAO ADHAO	Chikitsak Samuha's Sir Sitaram and Lady Shantabi Patkar College of Arts and Science and V.P. Varde College of Commerce & Economics	20000
683	Dr. Patil Satish Dnyandeo	Konkan Education Society's Anandibai Pradhan Science College	50000
684	Mr. Chougale Rajaram Gundu	Balasaheb Khardekar College of Arts Commerce & Science	47000
685	Dr. Arti Sunil Sawant	Chikitsak Samuha's Sir Sitaram and Lady Shantabi Patkar College of Arts and Science and V.P. Varde College of Commerce & Economics	20000
686	Vijitha Rajesh Nair	A. P. Shah Institute of Tech.	30000
687	Dr. Aniruddha Balkrishna Patil	Maharshi Dayanand College of Arts Science & Commerce	40000
688	Dr. Ganesh Bhagre	SPD College	25000
689	Dr. L. P. Varanasi	NES Ratnam College	25000

University of Mumbai

672  
⑦



Research Project No : 672

NAME OF THE RESEARCHER : Dr. Anita S. Goswami Giri  
LECTURE IN : Chemistry  
AMOUNT SANCTIONED : 25,000/-  
CO-INVESTIGATOR : \_\_\_\_\_

RefNo. AAMS/ICD/106 of 2021  
23<sup>rd</sup> July, 2021

To,

→ APD/ICD/2019-20/672  
17 March 2020

Vidya Prasarak Mandal's B.N. Bandodkar College  
of Science 'Jnanadweep' Chendani, Bunder Road,  
Thane-400 601

TITLE :- Dye mediated  
approach for Capsicum  
annuum nanoparticle  
synthesis

Sub: - Minor Research Grant Project.

Sir/Madam,

I am directed to inform you that the said proposal has been considered by the University and the research grant as quoted above is sanctioned to the researcher.

The sanctioned amount will be disbursed in two installments. The first installment of 70% of the sanctioned amount will be disbursed within the month of August. The remaining 30% amount will be disbursed up to 31st December, 2021.

The researcher is expected to spend 30% amount initially from his/her own resources to carry out the work.

Further, I am to inform you that the researcher will have to utilize the 100% sanctioned amount on or before 31st December, 2021 and submit original bills/vouchers of the expenditure alongwith Utilization Certificate duly certified by the Principal/ Director/ Head/Institute/University Department of the College to The Deputy Registrar, Accounts Section, Mahatma Phule Bhavan, Vidyanagari, Kalina Campus, University of Mumbai, Mumbai - 400 098 .

The report of the research work carried out by the concerned researcher will have to be submitted to the University on or before 31st December, 2021.

The Principal/Head of the Institute are requested to inform the researcher accordingly and arrange to forward his/her undertaking immediately to enable this office to release first installment of the research grant.

*Handwritten signature and date:*  
Mrs. A. S. Goswami Giri  
15/09/2021



Yours faithfully,

*Handwritten signature*  
Assistant Registrar  
(Academic Planning & Development Section)

*Handwritten date:*  
15/9/21

# University of Mumbai



Academic Planning and  
Development Section  
No. APD/ICD/2019-20/762  
17<sup>th</sup> March, 2020

Sub : Minor Research Grant Project 2019-20

Sir/Madam,

I am directed to inform you that the said proposal has been considered by the University and the research grant as quoted above is sanctioned to the researcher.

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Yours faithfully,

Deepak V. More  
Assistant Registrar  
(APD Section)



641	Dr. Aqeela A. Sattar Qureshi	Royal Higher Education Society's College of Arts Science and Commerce	30000
642	prof. G.S. Gore	Dapoli Education Society's Dapoli Urban Bank Senior Science College	35000
643	Dr. Aparna Milind Kulkarni	R.P.Gogate College of Arts Science and R.V. Joglekar College of Commerce Adv. N. V. Joshi Road Near-District Court Dist-Ratnagiri - 415 612.	50000
644	Dr. Sandeep Santu Kahandal	Vidya Prasarak Mandal's B.N. Bhandodkar College of Science	25000
645	Kailas Vinayak Gandhi	Dapoli Education Society's Dapoli Urban Bank Senior Science College	15000
646	Dr. Ghanasham Bhikaji Sathe	Dapoli Education Society's Dapoli Urban Bank Senior Science College	20000
647	Karape Satish Mahadeo	Maharana Pratapsinh Shikshan Sanstha's Anandibai Raorane Arts & Commerce College	20000
648	Dr. GURUMEET CHANDRAMOHAN WADHAWA	Rayat Shikshan Sanstha's Karmaveer Bhaurao Patil College	25000
649	Dr. Dinesh Vasant Bhagat	Konkan Education Society's Anandibai Pradhan Science College	30000
650	Shamrao Tanaji Disale	Shikshan Prasarak Mandal's Kankavli College	20000
651	Pratima Vaibhav Bhoir	"M.B. More Foundation of Arts Commerce Science Women College\r\nAt & Post-Dhatav Tal-Roha Dist-Raidag-402 116.(Women College)\r\n"	30000
652	Dr. Mayur Prabhakar Desai	R.P.Gogate College of Arts Science and R.V. Joglekar College of Commerce Adv. N. V. Joshi Road Near-District Court Dist-Ratnagiri - 415 612.	60000
653	Dr. Sindhu Vinit Tayade	Saraswati Education Society's Saraswati College of Engineering	
654	Rupali Narendra Agme	"Ramrao Adik Institute of Technology Sector-7 Dr. D. Y. Patil Vidyanagar Phase-I Nerul Navi Mumbai - 400 706\r\n"	40000
655	Dr. Anjali Sudhir Puranik	Sudhagad Education Society's Seth Jamshedji Navarousji Paliwala Commerce Arts and Science College	60000
656	Dr. Archana Nath	Mahavir Education Trust's - Shah and Anchor Kutchhi Engineering College	25000
657	Mr. Kailas W. Shinde	Wilson College	40000
658	Dr. Krishnakant T. Waghmode	Modern Education Society's D.G. Ruparel College of Arts Science & Commerce	30000
659	Mrs. Uttara M. Dalvi	Aidel Education Trusts St John College of Engineering	10000
660	Gopula Venkatesh Balkishan	Maharana Pratapsinh Shikshan Sanstha's Anandibai Raorane Arts & Commerce College	30000
661	Dr. Harichandra A. Parbat	Wilson College	40000
662	Dr. Vishakha Ambadas Telgote	" Pillais HOC College of Arts Science and Commerce Educational Campus HOC Colony Rasayani Tal.Khalapur Dist. Raigad.-410 207\r\n"	35000
663	Pakhare Keshav Sham	Maharana Pratapsinh Shikshan Sanstha's Anandibai Raorane Arts & Commerce College	30000
664	Dr. Sapana Mukund Chilate	" Pillais HOC College of Arts Science and Commerce Educational Campus HOC Colony Rasayani Tal.Khalapur Dist. Raigad.-410 207\r\n"	30000
665	Dr. Vilas R. Jadhavar	Konkan Education Society's Anandibai Pradhan Science College	40000

University of Mumbai



644



Research Project No: 644

NAME OF THE RESEARCHER : Dr. Sandeep Santu Kahandal  
LECTURE IN : Chemistry  
AMOUNT SANCTIONED : 25,000/-  
CO-INVESTIGATOR :

Ref No. AAMS/ICD/106 of 2021  
23<sup>rd</sup> July, 2021

To,

Vidya Prasarak Mandal's B.N. Bandodkar College  
of Science, Thane

Sub - Minor Research Grant Project.

Sir/Madam,

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The Principal/Head of the Institute are requested to inform the researcher accordingly and arrange to forward his/her undertaking immediately to enable this office to release first installment of the research grant.

Yours faithfully,



Assistant Registrar  
(Academic Planning & Development Section)

Dr. Sandeep Kahandal  
15/09/2021

M 15/9/21