



Estd: 1962
"A++"
Accredited by NAAC
with CGPA 3.52

SHIVAJI UNIVERSITY, KOLHAPUR-416 004 MAHARASHTRA

Colleges and University Development Section

PHONE :EPABX-2609492, 2609145

□ FAX :0091-231-2691533 & 0091-231-2692333

Website : www.unishivaji.ac.in E-mail: stats@unishivaji.ac.in

शिवाजी विद्यापीठ, कोल्हापूर - ४१६००४ महाराष्ट्र (महाविद्यालये व विद्यापीठ विकास विभाग)

दुरध्वनी: (ईपीएबीएक्स) २६०९४९२, २६०९१४५

□ फॅक्स: ००९१-२३१-२६९१५३३, २६९२३३३, २६९३२९४

Annexure – H

SHIVAJI UNIVERSITY, KOLHAPUR
RESEARCH INITIATION SCHEME

Project Completion Certificate

This is to certify that Mr./Mrs./Ms/Dr./Prof. **Dr. Sanjay Shivram Ankushrao** of **Vivekanand College (Autonomus), Dist- Kolhapur** has successfully completed research scheme entitled "**Synthesis, Characterization and Properties Polyazomethines for High Temperature Applications**" sanctioned by Shivaji University, Kolhapur under **Research Initiation Scheme** during dt. **07/07/2018 to 06/07/2020**. He /She worked as Principal Investigator/Co- Principal Investigator for the project.

Date :- **9 MAY 2022**




Signature

Coordinator,
Research Initiation Scheme
Shivaji University, Kolhapur



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शिवाजी विद्यापीठ, कोल्हापूर - ४१६००४ महाराष्ट्र (महाविद्यालये व विद्यापीठ विकास विभाग)

दुरध्वनी: (ईपीएबीएक्स) २६०९०००, २६०९१४५

□ फॅक्स: ००९१-२३१-२६९१५३३, २६९२३३३, २६९३२९४

जा.क्र./मववि/एसडीएम/ 740

दिनांक: 9 MAY 2022

प्रति,

डॉ. संजय शिवराम अंकुशराव,

विवेकानंद कॉलेज, कोल्हापूर.

जि. कोल्हापूर.

विषय : Research Initiation Scheme या योजनेअंतर्गत द्वितीय वर्षासाठी मंजूर असलेल्या निधीबाबत...

महोदय,

आपणांस Research Initiation Scheme या योजनेअंतर्गत सन २०१७-२०१८ या शैक्षणिक वर्षासाठी "Synthesis, Characterization and Properties Polyazomethines for High Temperature Applications" हा प्रकल्प मंजूर झाला होता. सदर योजनेच्या मार्गदर्शक नियमावलीनुसार एकुण रु. १,५१,५००/- इतक्या अनुदानापैकी आपण सादर करण्यात आलेल्या देयकाच्या आधारे उर्वरित रु. २,३०८/- इतकी रक्कम आपणांस धनादेश क्रमांक ०९५३७४:३०/०३/२०२२ द्वारे पाठवित आहोत.

तसेच, सोबत प्रकल्पपुर्तीचे प्रमाणपत्र पाठवित आहोत.

कळावे,

आपली विश्वासु

उपकुलसचिव

महाविद्यालये व विद्यापीठ विकास विभाग

शिवाजी विद्यापीठ, कोल्हापूर

सोबत : धनादेश क्रमांक : ०९५३७४:३०/०३/२०२२

प्रत :

मा. प्राचार्य

विवेकानंद कालेज, कोल्हापूर.

जि. कोल्हापूर.



Estd: 1962
NAAC "A" Grade

SHIVAJI UNIVERSITY, KOLHAPUR-416 004 MAHARASHTRA

Colleges and University Development Section

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शिवाजी विद्यापीठ, कोल्हापूर - ४१६००४ महाराष्ट्र (महाविद्यालये व विद्यापीठ विकास विभाग)

दुरध्वनी: (ईपीएबीएक्स) २६०९०००, २६०९१४५

□ फॅक्स: ००९१-२३१-२६९१५३३, २६९२३३३, २६९३२९४

Ref No. : SU/C&U.D.Section/27/175

Date: 15 MAY 2018

To,

Dr. Sanjay Shivram Ankushrao

Dattajirao Kadam Arts, Science & Commerce College,

Ichalkaranji, Tal- Hatkanangale, Dist- Kolhapur.

Sub: Your project entitled, "Synthesis, Characterization and Properties Polyazomethines for High Temperature Applications"

Ref: Our Office Circular No : SU / C.&U.D. Section/ UGK/ 347, dt. 11/07/2017.

Sir / Madam,

With reference to your application for financial assistance for scheme under Research Initiation Scheme-2017-2018, I am directed to inform you that the research project entitled "**Synthesis, Characterization and Properties Polyazomethines for High Temperature Applications**" has been accepted for the financial support under the scheme for the period of two years (2018-2019 to 2019-2020). The total grant for the projects will be ₹.151500/- (₹. One Lakhs Fifty One Thousand Five Hundred Only). The first installment (i.e.advance) of ₹.129000/- (₹. One Lakhs Twenty Thousand Only) will be released after receiving the following documents i.e. **University approval letter (Change in Staff), appointment letter, Confirmation Order, Undertaking duly signed by the P.I and Principal in the prescribed format, Acceptance letter (Annex. B), Aadhar Card Zerox, Pan Card Zerox, Passbook zerox (Joint passbook), Advance Stamp Receipt etc.,**

The Details of the funds sanctioned. :

| Sr. No | Item | Amount sanctioned in Rs. | | | Grant released as First installment |
|-----------|---------------------------|--------------------------|----------------------|------------|-------------------------------------|
| | | 1 st Year | 2 nd Year | Total | |
| A) | Recurring | | | | |
| | 1) Books and Journals | ₹.0/- | ₹.0/- | ₹.0/- | ₹.0/- |
| | 2) Hiring Services | ₹.5000/- | ₹.5000/- | ₹.10000/- | ₹.5000/- |
| | 3) Field Work and Travel | ₹.0/- | ₹.0/- | ₹.0/- | ₹.0/- |
| | 4) Chemical and Glassware | ₹.15000/- | ₹.15000/- | ₹.30000/- | 15000/- |
| | 5) Contingency | ₹.2500/- | ₹.2500/- | ₹.5000/- | ₹.2500/- |
| B) | Non-recurring | | | | |
| | *Equipment | ₹.106500/- | ₹.0/- | ₹.106500/- | ₹.106500/- |
| | Total | ₹.129000/- | ₹.22500/- | ₹.151500/- | ₹.129000/- |

* Name of the Equipment Equipment : Laptop, Electric Oven (18x18x18) 250 c, and Oil Sealed Vaccum Pump

Kindly submit the above documents with duly signed in prescribed format to Registrar, Shivaji University, Kolhapur, at the earliest so as to release the grant.

Thanking you,

Yours faithfully,

Deputy Registrar,
Colleges and University Development Section
Shivaji University, Kolhapur

Encl. :- As above

Copy to:

- Account (P.G. Bill) Section
- The Principal/Head, Dattajirao Kadam Arts, Science & Commerce College, Ichalkaranji, Tal- Hatkanangale, Dist- Kolhapur
- Dr. P. V. Anbhule, Co-ordinator, Department of Chemistry, Shivaji University, Kolhapur



Estd: 1962
NAAC "A" Grade

SHIVAJI UNIVERSITY, KOLHAPUR-416 004 MAHARASHTRA

Colleges and University Development Section

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Website : www.unishivaji.ac.in E-mail: stats@unishivaji.ac.in

शिवाजी विद्यापीठ, कोल्हापूर - ४१६००४ महाराष्ट्र (महाविद्यालये व विद्यापीठ विकास विभाग)

दुरध्वनी: (ईपीएबीएक्स) २६०९०००, २६०९१४५

□ फॅक्स: ००९१-२३१-२६९१५३३, २६९२३३३, २६९३२९४

Ref No. : SU/C&U.D.Section/27/557

Date: 26 July 2018

To,

Dr. Sanjay Shivram Ankushrao

Dattajirao Kadam Arts, Science & Commerce College,

Ichalkaranji, Tal- Hatkanangale, Dist- Kolhapur

Sub. :- Grants Release order under Research Initiation Scheme 2017-2018.

Sir/Madam,

With reference to above mentioned subject, I am directed to inform you that, the University authorities have approved your research proposal entitled "*Synthesis, Characterization and Properties Polyazomethines for High Temperature Applications*" under Research Initiation Scheme 2017-2018.

- As per project guidelines, total grants of ₹. 151500/- has been sanctioned to your research project and out of grant ₹. 129000/- sending herewith as a first installment vide cheque bearing number **329244** dt. **7/07/2018**.
- The second installment of remaining grants will be released in second year of the project, provided annual progress report is submitted by you on or before the end of the first year of the project.
- The effective date of start of the project should be the date on which grant is credited to you. The total period of the project will be for two years and under no circumstances it will be extended further.

Thanking you,

Yours faithfully,


Deputy Registrar,
Shivaji University, Kolhapur.

Encl. : As above.

Copy to;

The Principal/Head of the Department

Dattajirao Kadam Arts, Science & Commerce College, Ichalkaranji,

Tal- Hatkanangale, Dist- Kolhapur

Computerized
13/7/18



Shri Swami Vivekanand Shikshan Sanstha's
VIVEKANAND COLLEGE (AUTONOMOUS), KOLHAPUR

2130, 'E'Tarabai Park, Kolhapur, Dist. Kolhapur-416 003
Affiliated to Shivaji University, Kolhapur (M.S.)

NAAC Reaccredited : "A" (CGPA 3.24) on 19-01-16 (3rd Cycle)
College with Potential for Excellence (Twice)
"Star College" by D.B.T. Govt. of India



Ph : 0231-2658612, 2658840, Fax : 0231-2658840 Resi. : 0231-2653962 Website : www.vivekanandcollege.org E-mail : info@vivekanandcollege.org

Founder
Dr. Bapuji Salunkhe
D. Lit

President
Hon. Chandrakant Dada Patil
Minister of Revenue, Relief & Rehabilitation
Public works, Govt. of Maharashtra

Chairman
Prin. Abhaykumar Salunkhe
M.A.

Secretary
Prin. Mrs. Shubhangi Gavade
M.Sc., B.Ed.

Principal
Dr. S. Y. Hongekar
M.A., M.Ed., P.G.D.T.E.,
M. Phil., Ph.D.

Ref. No. VCK/ 973/19-20

Date : 19/9/2019

To,
The Director,
Board of College and University Development,
Shivaji University, Kolhapur.

Subject: Progress Report-1 for the project sanctioned under Research initiation Scheme.

(Dr. Sanjay S. Ankushrao, Chemistry)

Ref.: MVVV/UGK/487, dated 13th Sept. 2019.

Respected Sir,

Please find enclosed herewith two copies of Progress report, Utilization certificate and Statement of expenditure of Minor research project entitled **“Synthesis, Characterization and Properties of Processable Polyazomethines for High Temperature Applications”** sanctioned to Dr. Sanjay S. Ankushrao, working as an Asst. Professor in Chemistry, Vivekanand College (Autonomous), Kolhapur.

Kindly accept it and do needful.

Thanking you,

Yours faithfully,

o/c

(Dr. S. Y. Hongekar)
PRINCIPAL
Vivekanand College
Kolhapur.

o/c

21.09.19
For Registrar
Shivaji University
Kolhapur

SHIVAJI UNIVERSITY, KOLHAPUR
RESEARCH INITIATION SCHEME

Annual Report of the work done on the Research Project
(Report to be submitted within 2 months after completion of each year).

- 1) **Project report No. 1st**
- 2) **University Reference No.:**
- 3) **Period of report:** from 22nd August 2018 to 21st August 2019.
- 4) **Title of research project:** Synthesis, Characterization and Properties of Processable Polyazomethines for High Temperature Applications.
- 5) (a) **Name of the Principal Investigator:** Dr. Sanjay Shivram Ankushrao
(b) **Dept. and College where work has progressed:** Dept. of Chemistry, Vivekanand College (Autonomous), Kolhapur.
- 6) **Effective date of starting of the project:** 22nd August 2018.
- 7) **Grant approved and expenditure incurred during the period of the report:**
 - a. Total amount approved Rs.: 1,29,000/- (One Lakh twenty nine thousand only)
 - b. Total expenditure Rs.: 1,23, 508/- (One Lakh twenty three thousand five hundred eight only)
 - c. Report of the work done: (please see **Annexure-1**)

| | | |
|----|--|--|
| 1) | Brief objective of the project | Annexure-1 |
| 2) | Work done so far and results achieved and publications, if any, resulting from the work (Give details of the papers and names of the journals in which it has been published or accepted for publication) | Nil |
| 3) | Has the progress been according to original plan of work and towards achieving the objective? if not, state reasons | Yes, progress of synthesis is according to plan that we decided. |
| 4) | Please indicate the difficulties, if any, experienced in implementing the project. | Uptill no any much more difficulties |
| 5) | If project has not been completed, please indicate the approximate time by which it is likely to be completed. A summary of the work done for the period (Annual basis) may please be sent to the University on a separate sheet. | Around 1 yr will require to complete all the work. |
| 6) | If the project has been completed, please enclose a summary of the findings of the study. Two bound copies of the final report of work done may also be sent to the University. | Incomplete work |
| 7) | Any other information which would help in evaluation of work done on the project. At the completion of the project, the first report should indicate the output, such as (a) Manpower trained (b) Ph. D. awarded (c) Publication of results (d) other impact, if any | Nil |

Signature of the Principal Investigator

Signature of the **PRINCIPAL** Lecturer / Head of University Department

Vivekanand College
Kolhapur.

Recommendation of the expert committee about continuation of the project after 1st year.

Annexure-1

1. Objective of the Work:

Our synthetic research effort is directed towards structural modifications designed to disturb regularity and chain packing thus providing better processability / solubility to the polymers and to determine various properties and characteristics of synthesized polymers for its applications as high performance semiconducting material. The approach adapted in the present research work for the synthesis of processable Polymers involves synthesis of difunctional monomers such as diamines or dialdehyde containing cardo or pendant moiety.

2. Progress of Work: 1st Year

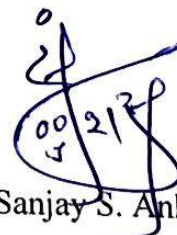
So, for the synthesis of difunctional diamine monomers, we have synthesised intermediates required to synthesize difunctional diamine monomers by relatively inexpensive chemical routes as below.

The progress of work is as,

- a. Purchased Equipments, glass wares and Chemicals.
- b. Synthesized two different bisphenols containing cyclopentylidene and cyclohexylidene cardo group.
- c. Further, two different ether containing diketone intermediates have synthesized from bisphenols by using simple organic transformations.

3. Future Work:

The Diketone intermediates will be finally converted into diathizole diamine monomers. Furthermore these monomers will be used as precursors for the synthesis of co-polyazomethines. The synthesized co-polyazomethines will undergo characterization to check its applications as high performance semiconducting material.



Dr. Sanjay S. Ankushrao

Principal Investigator

SHIVAJI UNIVERSITY, KOLHAPUR
RESEARCH INITIATION SCHEME

Utilization certificate

Certified that, the grant of Rs. 1, 29, 000/- (Rupees One Lakh twenty nine thousand only) received from the University under the scheme of support for Research Project entitled "*Synthesis, Characterization and Properties of Processable Polyazomethines for High Temperature Applications*" vide Shivaji University letter No. Ref. No. : SU/C & U. D. Section/27/175 dated 5th May 2018 and Ref. No. SU/ C & U. D. Section/27/557 dated 26th July, 2018. The grant Rs. 1, 23, 508/- (Rupees One Lakh twenty three thousand five hundred eight only) has been utilized for the purpose for which it was sanctioned and in accordance with the terms and conditions laid down by the university.



Signature of the
Principal Investigator
(Dr. Sanjay S. Ankushrao)



PRINCIPAL
Signature of the
Principal/Director/Head of University Department
Kolhapur.

**SHIVAJI UNIVERSITY, KOLHAPUR
RESEARCH INITIATION SCHEME**

Statement of Expenditure in respect of Research Project

- 1) **Name of Principal Investigator** : Dr. Sanjay Shivram Ankushrao
 2) **Name of College/Institution** : Vivekanand College (Autonomous), Kolhapur.
 3) **University approval No. and Date** : Ref. No. : SU/C & U. D. Section/27/175 dated 5th
 May 2018 and SU/ C & U. D. Section/27/557 dated 26th July, 2018.
 4) **Title of the Research Project** : Synthesis, Characterization and Properties of Processable
 Polyazomethines for High Temperature Applications.
 5) **Effective date of starting the project**: 22nd August 2018
 6) (a) **Period of Expenditure**: From 22nd August 2018 to 21st August 2019

(b) **Details of Expenditure**

| Sr. No. | Item | Sanctioned Amount (Rs.) | Expenses incurred (Rs.) |
|-----------|---------------------------------------|---|--|
| A) | Non-Recurring Component | | |
| i) | Equipments | 1, 06, 500/- | 1, 05, 200/- |
| ii) | Books and Journals | Nil | Nil |
| B) | Recurring component | | |
| i) | Hiring Services | 5,000/- | 1, 000/- |
| ii) | Field Work and Travel | Nil | Nil |
| iii) | Chemicals and glassware | 15,000/- | 14962/- |
| iv) | Contingency (including special needs) | 2, 500/- | 2346/- |
| | Total (Rs) | 1,29,000/- (One lakh Twenty nine thousand only) | 1,23, 508/- (One Lakh twenty three thousand five hundred eight only) |

(c) (1) As a result of check or audit objective, some irregularity is noticed, at a later Date, action will be taken to refund, adjust or regularize the objected amounts.

(2) It is certified that the grant of Rs. 1, 29, 000/- (Rupees One Lakh twenty nine thousand only) received from the University under the scheme of support for Research Project entitled "Synthesis, Characterization and Properties of Processable Polyazomethines for High Temperature Applications", vide University letter No. SU/ C & U. D. Section/27/557 dated 26th July, 2018. The grant of Rs. 1, 23, 508/- (Rupees One Lakh twenty three thousand five hundred eight only) has been utilized for the purpose for which it was sanctioned and in accordance with the terms and conditions laid down by the University.

Principal Investigator

Principal/Director/ Head of the University Department

PRINCIPAL
Vivekanand College
Kolhapur.

Statutory Auditor



Sachin K. Sohani
F.C.A.
Chartered Accountants

711 No. 10 2987

INVOICE/ BILL

Bio Treasure India Scientific Center

An ISO 9001:2008 Certified Company

Address: 362/3, Salokhe Lane, Kalamba turf Thane, Tal. Karveer, Dist. Kolhapur. 416007

Cell No.: 9881762447, 9923412447 Office: 0231- 6614772

(Suppliers of All Types of Scientific Material)

GSTIN : 27CPOPS7254D1ZE

| To, | | | BTI Bill No. : 210 | | Date: 22-04-2019 | |
|-------------------------|---|----------|--------------------|----------------------|-------------------|----|
| Dr. Sanjay S. Ankushrao | | | BTI D.C. No. : 955 | | Date: 20-04-2019 | |
| Dept of Chemistry | | | Your Ref. No. : | | Date | |
| Vivekanand College | | | | | | |
| Kolhapur | | | | | | |
| No. | Description | Make | Unit | Each Unit Rs. Ps. | Amount Rs. Ps. | |
| 1 | Vacuum pump ½ HP Power (Suction Pump) | Labline | 01 | 35864 00 | 35864 00 | |
| 2 | Hot air Oven 18 x 18 x 18 S.S. with digital temp. controller | Meta-Lab | 01 | 23458 00 | 23458 00 | |
| 3 | | | | | | |
| 4 | | | | | | |
| 5 | | | | | | |
| 6 | | | | | | |
| 7 | | | | | | |
| | | | | TOTAL | 59322 00 | |
| | | | | CGST 9% | 5338 98 | |
| | | | | SGST 9% | 5338 98 | |
| | | | | TOTAL | 69999 96 | |
| | | | | Rounded | + | 04 |
| | | | | TOTAL | 70000 00 | |

1. Interest at the rate of 18% will be charged on bills not paid within 30 days.
2. All Payment should be made by cross of order cheque only.
3. Subject to Kolhapur Jurisdiction..

Rupees in Word: **Seventy thousand only.**

"I/We hereby certify that my/our registration certificate under the Maharashtra Value Added Tax Act 2002 is in force on the date on which the sale of the goods specified in this invoice I made by my/us and that the transaction of sale covered by this Tax Invoice has been effected by me/us and it shall be accounted for in the turnover of sales while filing of return and the tax, if any payable on the sale has been paid or shall be paid"



Photon Computers

D 8-9, Mahalaxmi Chambers, Near Central S.T. Stand, Kolhapur - 416 001.
Ph No. 0231 2661211, 9371661211, e mail : photoncomp@yahoo.com

TAX INVOICE

To, Sanjay Shivram Ankushrao
Dept Of Chemistry,
Vivekanand College, Kihapur.
Parties GSTIN :

Invoice No. : PC/07/11
Date : 17-07-2019
DC No. :
Date :

| Sr. | Perticulars | HSN Code | Qty. | Rate | Amount |
|--|---|----------|------|-------------|-----------|
| 1 | L/T HP 15-DA0327TU (I3 7th/4GB/1TB/15.6/W10 S/N:CND9214R7S | 8471 | 1 | 28,983.07 | 28,983.07 |
| 2 | Carry Case L/T HP | 4202 | 1 | 847.46 | 847.45 |
| 3 | QH Int Sec. 1/3 User 3 Years Key:E3110-8W2CA-94R72-05111 | | | | |
| Total Qty. | | | 2.00 | Gross Total | 29,830.52 |
| | | | | SGST 9 % | 2,684.74 |
| | | | | CGST 9 % | 2,684.74 |
| Rs in words :- Thirty Five Thousand Two Hundred Only | | | | Grand Total | 35,200.00 |

I/we here by certificate that my/our registration certificate under the Maharashtra Value Added Tax Act 2002 is in force on the date on which the sale of the goods specified in this tax invoice is made by me/us and that the transaction of the sale covered by this tax invoice has been effected by me/us and it shall be accounted for in the turnover of sales while filing of return and the due tax if any payable on the sale has paid or shall be paid

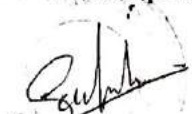
* Bills not paid within 7 days will be subject to interest @ 18 % P.A.* Subject to Kolhapur Jurisdiction

GSTIN : 27AAGPU7941L1ZY - W.E.F. 01/07/2017

For Photon Computers

Recievers Signature

Printed On Wings


Authorised Signatory

SOLAPUR UNIVERSITY

Receipt (F.Y. : 2019 - 2020)



| | | | |
|-----------------------|-------------------------|-----------------|-------------|
| Number | 730 | Dated | 24-Apr-2019 |
| Received From Address | Sanjay Ankushrao | Exam Month/Year | |
| Centre Name | | Seat No | |
| Particulars | | Amount | |
| 14 INMR | UTR No MAHBH19114504377 | 1,000.00 | |
| Remarks | | | |



INR One Thousand Only

Grand Total ₹ 1,000.00

Any discrepancy in the above receipt may kindly be brought to the notice of Cashier within two days

~~Clerk~~

INVOICE/ BILL

**Bio Treasure India
Scientific Center**

An ISO 9001:2008 Certified Company

Address: 362/3, Salokhe Lane, Kalamba turf Thane, Tal. Karveer. Dist. Kolhapur. 416007

Cell No.: 9881762447, 9923412447 Office: 0231- 6614772

(Suppliers of All Types of Scientific Material)

GSTIN : 27CPOPS7254D1ZE

| To, | | | BTI Bill No. : 148 | | Date: 21-01-2019 | | |
|-------------------------|-------------------------|---------|--------------------|--------------|------------------|--------------|-----------|
| Dr. Sanjay.S: Ankushrao | | | BTI D.C. No. : 00 | | Date: 21-01-2019 | | |
| Dept. of Chemistry | | | Your Ref. No. : | | Date | | |
| Vivekanand College | | | | | | | |
| Kolhapur | | | | | | | |
| No. | Description | Make | Unit | Each Unit | | Amount | |
| | | | | Rs. | Ps. | Rs. | Ps. |
| 1 | Terephthaldehyde | Sigma | 100gm | 3220 | 00 | 3220 | 00 |
| 2 | 3-mecraptoproaonic acid | Spectro | 100ml | 990 | 00 | 990 | 00 |
| 3 | Cyclopentanone | Spectro | 500ml | 1050 | 00 | 1050 | 00 |
| 4 | 4-fluroacetophenone | Spectro | 25gm x 2 | 600 | 00 | 1200 | 00 |
| 5 | Iso-phthaldehyde | Spectro | 25gm | 1050 | 00 | 1050 | 00 |
| 6 | 3 neck RB Flask 100ml | J-sil | 03 | 390 | 00 | 1170 | 00 |
| 7 | 3 neck RB flask 250ml | J-sil | 02 | 420 | 00 | 840 | 00 |
| 8 | R.B. Flask 250ml | J-sil | 01 | 140 | 00 | 140 | 00 |
| 9 | R. B. Flask 100ml | J-sil | 01 | 100 | 00 | 100 | 00 |
| 10 | Glass trough | Regular | 01 | 350 | 00 | 350 | 00 |
| 11 | Magnetic needle | | 03 | 200 | 00 | 600 | 00 |
| 12 | M-phenylene diamine | Sigma | 100gm | 1547 | 00 | 1547 | 00 |
| 13 | G. pipette 5ml | J-sil | 01 | 120 | 00 | 120 | 00 |
| 14 | G. Pipette 10ml | J-sil | 01 | 183 | 00 | 183 | 00 |
| 15 | G. Pipette 1ml | J-sil | 01 | 120 | 00 | 120 | 00 |
| | | | | TOTAL | | 12680 | 00 |
| | | | | CGST | 9% | 1141 | 20 |
| | | | | SGST | 9% | 1141 | 20 |
| | | | | TOTAL | | 14962 | 40 |
| | | | | Rounded | - | | 40 |
| | | | | TOTAL | | 14962 | 00 |

- Interest at the rate of 18% will be charged on bills not paid within 30 days.
- All Payment should be made by cross of order cheque only.
- Subject to Kolhapur Jurisdiction.

Rupees in Word **Fourteen thousand nine hundred sixty two only**

"I/We hereby certify that my/our registration certificate under the Maharashtra Value Added Tax Act 2002 is in force on the date on which the sale of the goods specified in this invoice I made by my/us and that the transaction of sale covered by this Tax Invoice has been effected by me/us and it shall be accounted for in the turnover of sales while filling of return and the tax, if any payable on the sale has been paid or shall be paid



INVOICE

(ORIGINAL FOR RECIPIENT)

| | | |
|---|--------------------------------|---|
| Goodluck Stationers 95, D, Bazargate, Kolhapur - 416002 GSTIN/UIN: 27AADPW4787H1Z2 State Name : Maharashtra, Code : 27 Contact : 0231-2548630,7385550561 E-Mail : goodluckstationers9@gmail.com | Invoice No. 752 | Dated 13-Jul-2019 |
| | | Mode/Terms of Payment 30 Days |
| | Supplier's Ref. cash | Other Reference(s) |
| Buyer Dr Sanjay S. Ankushrao Vivekanand College Kop State Name : Maharashtra, Code : 27 Place of Supply : Maharashtra | Buyer's Order No. | Dated |
| Terms of Delivery | | |

| Sl No. | Description of Goods | HSN/SAC | GST Rate | Quantity | Rate | per | Disc. % | Amount |
|--------|---|----------|----------|-----------------|--------|-----|---------|---------------|
| 1 | A4 Paper <i>1k</i> | 4820 | 12 % | 5.00 rim | 170.00 | rim | | 850.00 |
| 2 | FILES <i>12 F Chain File</i> | 82031000 | 18 % | 1 NOS | 120.00 | NOS | | 120.00 |
| 3 | FILES <i>Aqva D Ring File</i> | 82031000 | 18 % | 4 NOS | 55.00 | NOS | | 220.00 |
| 4 | APSARA PENCIL | 9608 | 12 % | 1 pkt | 35.71 | pkt | | 35.71 |
| 5 | 10 NO STAPLER | 84729010 | 18 % | 1 NOS | 29.66 | NOS | | 29.66 |
| 6 | Hp-45 Stapler 250mrp | 8472 | 18 % | 1 NOS | 166.10 | NOS | | 166.10 |
| 7 | 10 No Pin | 8305 | 18 % | 10 pkt | 5.08 | pkt | | 50.80 |
| 8 | 24/6 Kangaro Pin | 8305 | 18 % | 5 pkt | 11.02 | pkt | | 55.10 |
| 9 | Hi-Liter Orange | 9608 | 12 % | 2 NOS | 15.18 | NOS | | 30.36 |
| 10 | OHP Markar Pen | 9608 | 12 % | 2 NOS | 7.14 | NOS | | 14.28 |
| 11 | Permanent Marker Camel | 9608 | 12 % | 1 NOS | 14.29 | NOS | | 14.29 |
| 12 | Cello Gripper Pen | 9608 | 12 % | 1 pkt | 26.79 | pkt | | 26.79 |

continued ...

INVOICE(Page 2)

(ORIGINAL FOR RECIPIENT)

| | | |
|--|-------------------|-----------------------|
| Goodluck Stationers 595, D, Bazargate, Kolhapur - 416002 GSTIN/UIN: 27AADPW4787H1Z2 State Name : Maharashtra, Code : 27 Contact : 0231-2548630,7385550561 E-Mail : goodluckstationers9@gmail.com | Invoice No. | Dated |
| | 752 | 13-Jul-2019 |
| | Supplier's Ref. | Mode/Terms of Payment |
| | cash | 30 Days |
| Buyer Dr Sanjay S. Ankushrao Vivekanand College Kop State Name : Maharashtra, Code : 27 Place of Supply : Maharashtra | Buyer's Order No. | Dated |
| | Terms of Delivery | |

| Sl No. | Description of Goods | HSN/SAC | GST Rate | Quantity | Rate | per | Disc. % | Amount |
|------------------|---|----------|----------|---------------|-------|-----|---------|--------------------|
| 13 | FILES <i>Rajashree Spring File</i> | 82031000 | 18 % | 12 NOS | 26.00 | NOS | | 312.00 |
| 14 | Foam Tape Box Packing | 4811 | 18 % | 2 pkt | 20.00 | pkt | | 40.00 |
| 15 | Punching Machine DP 280 | 8472 | 18 % | 1 NOS | 55.08 | NOS | | 55.08 |
| 16 | Markar Pen 20mrp <i>Whitner Pen</i> | | 12 % | 1 NOS | 17.86 | NOS | | 17.86 |
| | | | | | | | | 2,038.03 |
| CGST | | | | | | | | 153.75 |
| SGST | | | | | | | | 153.75 |
| Round Off | | | | | | | | 0.47 |
| Total | | | | | | | | Rs 2,346.00 |

Amount Chargeable (In words)

INR Two Thousand Three Hundred Forty Six Only

E. & O.E

Company's Bank Details

Bank Name : The Kolhapur Urban Co-Op Bank- 682
 A/c No. : 00031101000682
 Branch & IFS Code: Gangavesh & HDFC0CKUCBL

Declaration

We declare that this invoice shows the actual price of the goods described and that all particulars are true and correct.

for Goodluck Stationers

Authorised Signatory

This is a Computer Generated Invoice

INVOICE
(Tax Analysis)

(ORIGINAL FOR RECIPIENT)

Office No. 752

Dated 13-Jul-2019

Goodluck Stationers
595, D, Bazargate, Kolhapur - 416002
GSTIN/UIN: 27AADPW4787H1Z2
State Name : Maharashtra, Code : 27
Contact : 0231-2548630,7385550561
E-Mail : goodluckstationers9@gmail.com
Party : **Dr Sanjay S. Ankushrao**
Vivekanand College Kop
State Name : Maharashtra, Code : 27
Place of Supply : Maharashtra

| HSN/SAC | Taxable Value | Central Tax | | State Tax | | Total Tax Amount |
|--------------|-----------------|-------------|---------------|-----------|---------------|------------------|
| | | Rate | Amount | Rate | Amount | |
| 4820 | 850.00 | 6% | 51.00 | 6% | 51.00 | 102.00 |
| 82031000 | 652.00 | 9% | 58.68 | 9% | 58.68 | 117.36 |
| 9608 | 121.43 | 6% | 7.29 | 6% | 7.29 | 14.58 |
| 84729010 | 29.66 | 9% | 2.67 | 9% | 2.67 | 5.34 |
| 8472 | 221.18 | 9% | 19.91 | 9% | 19.91 | 39.82 |
| 8305 | 105.90 | 9% | 9.53 | 9% | 9.53 | 19.06 |
| 4811 | 40.00 | 9% | 3.60 | 9% | 3.60 | 7.20 |
| | 17.86 | 6% | 1.07 | 6% | 1.07 | 2.14 |
| Total | 2,038.03 | | 153.75 | | 153.75 | 307.50 |

Tax Amount (in words) : **INR Three Hundred Seven and Fifty paise Only**

for Goodluck Stationers

Kopit
Authorised Signatory

Jr. College Recog. No. H.S.C./1074/R-1/DT : 8-8-1976
Jr. College Code No. 23-09-002
Jr. College U. Disc No. 27341301006

“ ज्ञान, विज्ञान आणि सुसंस्कार यांसाठी शिक्षण प्रसार ”
शिक्षणमहर्षी डॉ. बापूजी साळुंखे

Estd. : June 1964



Shri Swami Vivekanand Shikshan Sanstha's
VIVEKANAND COLLEGE, KOLHAPUR (AUTONOMOUS)

2130, 'E' Tarabai Park, Kolhapur, Tal. Karveer, Dist. Kolhapur-416 003
Affiliated to Shivaji University, Kolhapur (M.S.)

NAAC Reaccredited : "A" (CGPA 3.24)
College with Potential for Excellence by U.G.C., New Delhi
"Star College" by D.B.T. Govt. of India
ISO 9001 : 2015



Ph. : 0231-2658612, 2658840 Fax : 0231-2658840 Resl. : 0231-2653962 Website : www.vivekanandcollege.org E-mail : info@vivekanandcollege.org

| | | | | |
|--|--|--|---|---|
| Founder Dr. Babuji Salunkhe D. Lit. | President Hon. Chandrakant Dada Patil MLA | Chairman Prin. Abhaykumar Salunkhe M.A. | Secretary Prin. Mrs. Shubhangi Gavade M.Sc., B.Ed. | Principal Dr. R. R. Kumbhar M.Sc. M.Phil., Ph.D. |
|--|--|--|---|---|

Ref No. VCK/ 147/2021-22

Date : 07.6.2021

To,
The Director,
Board of College and University Development,
Shivaji University, Kolhapur.

Subject: Regarding Progress Report-2, Utilization certificate, Statement of expenditure, Annexure G & H for the project sanctioned under Research initiation Scheme. (Dr. Sanjay S. Ankushrao, Chemistry)

Ref.: मविविवि / युजीके/56, dated 14th May 2021.

Respected Sir,

With reference to subject cited above, find herewith two copies each of Progress report, Utilization certificate, Statement of expenditure, Annexure G & H of Minor research project entitled "*Synthesis, Characterization and Properties of Processable Polyazomethines for High Temperature Applications*" sanctioned to Dr. Sanjay S. Ankushrao, working as an Asst. Professor in Chemistry, Vivekanand College, Kolhapur (Autonomous).

Kindly accept it and do needful.

Kindly issue balanced amt.
₹ 2308/-

Thanking you,

Yours faithfully,

de

266
08-06-2021
For Registrar
Shivaji University
Kolhapur

(Dr. R. R. Kumbhar)

PRINCIPAL
Vivekanand College
Kolhapur

SHIVAJI UNIVERSITY, KOLHAPUR
RESEARCH INITIATION SCHEME

Annual Report of the work done on the Research Project
(Report to be submitted within 2 months after completion of each year).

- 1) Project report No. 2
- 2) University Reference No.:
- 3) Period of report: from 22nd August 2019 to 21st August 2020.
- 4) Title of research project: Synthesis, Characterization and Properties of Processable Polyazomethines for High Temperature Applications.
- 5) (a) Name of the Principal Investigator: Dr. Sanjay Shivram Ankushrao
(b) Dept. and College where work has progressed: Dept. of Chemistry, Vivekanand College, Kolhapur (Autonomous).
- 6) Effective date of starting of the project: 22nd August 2018.
- 7) Grant approved and expenditure incurred during the period of the report:
 - a. Total amount approved Rs.: 22500/- (Twenty-two thousand five hundred only)
 - b. Total expenditure Rs.: 7800/- (Seven thousand eight hundred only)
 - c. Report of the work done: (please see Annexure-1)

| | | |
|----|--|--|
| 1) | Brief objective of the project | Annexure-1 |
| 2) | Work done so far and results achieved and publications, if any, resulting from the work (Give details of the papers and names of the journals in which it has been published or accepted for publication) | Manuscript submitted to UGC care listed Journal-Journal of Advanced Scientific Research (Submission id: JASR_31052021_3) |
| 3) | Has the progress been according to original plan of work and towards achieving the objective? if not, state reasons | Yes, progress of synthesis of monomer and polymers was according to plan that we decided. |
| 4) | Please indicate the difficulties, if any, experienced in implementing the project. | Nil |
| 5) | If project has not been completed, please indicate the approximate time by which it is likely to be completed. A summary of the work done for the period (Annual basis) may please be sent to the University on a separate sheet. | completed |
| 6) | If the project has been completed, please enclose a summary of the findings of the study. Two bound copies of the final report of work done may also be sent to the University. | Project work details attached in Annexure-1 |
| 7) | Any other information which would help in evaluation of work done on the project. At the completion of the project, the first report should indicate the output, such as (a) Manpower trained (b) Ph. D. awarded (c) Publication of results (d) other impact, if any | Nil |

Signature of the Principal Investigator

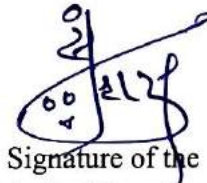
Signature of the Principal / Director / Head of University Department

PRINCIPAL
Vivekanand College
Kolhapur

**SHIVAJI UNIVERSITY, KOLHAPUR
RESEARCH INITIATION SCHEME**

Utilization certificate

Certified that, the grant of Rs. 22500/- (Twenty two thousand five hundred only) sanctioned from the University under the scheme of support for Research Project entitled "*Synthesis, Characterization and Properties of Processable Polyazomethines for High Temperature Applications*" vide Shivaji University letter No. Ref. No.: SU/C & U. D. Section/27/175 dated 5th May 2018 and Ref. No. SU/ C & U. D. Section/27/557 dated 26th July, 2018. The grant Rs. 7800/- (Seven thousand eight hundred only) has been utilized for the purpose for which it was sanctioned and in accordance with the terms and conditions laid down by the university.



Signature of the
Principal Investigator
(Dr. Sanjay S. Ankushrao)



Signature of the
Principal/Director/Head of University Department

PRINCIPAL
Vivekanand College
Kolhapur



Sachin K. Sohani
F.C.A.
Chartered Accountants

**SHIVAJI UNIVERSITY, KOLHAPUR
RESEARCH INITIATION SCHEME**

Annexure-E

Statement of Expenditure in respect of Research Project

- 1) **Name of Principal Investigator** : Dr. Sanjay Shivram Ankushrao
- 2) **Name of College/Institution** : Vivekanand College, Kolhapur (Autonomous).
- 3) **University approval No. and Date** : Ref. No. : SU/C & U. D. Section/27/175 dated 5th May 2018 and SU/ C & U. D. Section/27/557 dated 26th July, 2018.
- 4) **Title of the Research Project** : Synthesis, Characterization and Properties of Processable Polyazomethines for High Temperature Applications.
- 5) **Effective date of starting the project**: 22nd August 2018
- 6) (a) **Period of Expenditure**: From 22nd August 2019 to 21st August 2020
(b) **Details of Expenditure**

| Sr. No. | Item | Sanctioned Amount (Rs.) (2 nd Year) | Expenses incurred (Rs.) |
|-----------|---------------------------------------|--|--|
| A) | Non-Recurring Component | | |
| i) | Equipments | Nil | Nil |
| ii) | Books and Journals | Nil | Nil |
| B) | Recurring component | | |
| i) | Hiring Services | 5,000/- | 5800/- |
| ii) | Field Work and Travel | Nil | Nil |
| iii) | Chemicals and glassware | 15,000/- | Nil |
| iv) | Contingency (including special needs) | 2, 500/- | 2000/- (1 st & 2 nd Year Financial Audit) |
| | Total (Rs) | 22,500/- (Twenty two thousand five hundred only) | 7800/- (Seven thousand eight hundred only) |

(c) (1) As a result of check or audit objective, some irregularity is noticed, at a later Date, action will be taken to refund, adjust or regularize the objected amounts.

(2) It is certified that the grant of Rs. 22500/- (Twenty-two thousand five hundred only) sanctioned from the University under the scheme of support for Research Project entitled "Synthesis, Characterization and Properties of Processable Polyazomethines for High Temperature Applications", vide University letter No. SU/ C & U. D. Section/27/557 dated 26th July, 2018. The grant of Rs. 7800/- (Seven thousand eight hundred only) has been utilized for the purpose for which it was sanctioned and in accordance with the terms and conditions laid down by the University.

Principal Investigator



Principal/Director of the University Department
Vivekanand College
Kolhapur

Statutory Auditor

Sachin K. Sobhani
F.C.A.
Chartered Accountants

**SHIVAJI UNIVERSITY, KOLHAPUR
RESEARCH INITIATION SCHEME**

**Proforma for submission of Information at the time of submitting
the Final Report of the Work Done on the Project**

(To be submitted within two months after completion of project period)

| | | |
|----|--|---|
| 1 | Name & Address of the Principal Investigator | Dr. Sanjay Shivram Ankushrao, Department of Chemistry, Vivekanand College, Kolhapur. |
| 2 | Name & Address of the Institution / Department | Vivekanand College, Kolhapur (Autonomous) |
| 3 | University Approval No. & Date | Aff.T.3/SRS/13163, 26 th Feb 2015 Aff.T.3/SDM/28, 29/11149, 15 th Oct 2018. |
| 4 | Date of Implementation | August 2018 |
| 5 | Tenure of the Project | 2 yrs |
| 6 | Total Grant Allocated | 1,51,500/- (for 2 yr) |
| 7 | Total Grant Received | 1,29,000/- (for 1st Year) |
| 8 | Final Expenditure | (1 st Year-1,23,508/- + 11 nd Year-7800/-)= 1,31,308/- |
| 9 | Title of the Project | Synthesis, Characterization and Properties of Processable Polyazomethines for High Temperature Applications |
| 10 | Objectives of the Project | Our synthetic research effort was directed towards structural modifications designed to disturb regularity and chain packing thus providing better processability / solubility to the polymers. The approach adapted in the present research work for the synthesis of processable Polymers involved synthesis of difunctional monomers such as diamines containing cardo and pendant moiety as well as hetero unit in the backbone. So difunctional monomers was designed and synthesized by relatively inexpensive chemical routes with an objective to obtain processable polymers with specific properties for high temperature applications. |
| 11 | Whether Objectives were achieved (Give Details) | Yes |
| 12 | Summary of the Findings / Publications (In 500 Words) | A series of CHPAMs were prepared by the high-temperature solution polycondensation of a novel diamine precursor 1,1-bis[4-(2-aminothiazole)-3-methyl phenyl]cyclohexane (BATMPC), with varying proportion of aromatic dialdehydes |

| | | |
|----|---|--|
| | | <p>comonomer [1,3 linkage isophthalaldehyde (IPA) and 1,4 linkage terephthalaldehyde (TPA)]. Inherent viscosities of these CHPAMs were in between the 0.27 and 0.35 dL/g indicating built-up of moderate molecular weights. These CHPAMs revealed solubility in many polar aprotic solvents without appreciable loss in thermal stability, so it is possible to process these polyazomethines in polar aprotic solvents. The existence of $-CH=N-$ (azo linkage) in the CHPAMs framework was committed by UV-Vis spectra. The 10% weight loss in nitrogen range from 380°C to 415°C indicates that these polyazomethines are suitable for high temperature applications. The glass transition temperature of polyazomethines (220°C to 241°C) can allow processing of polymers above 220°C. X-ray diffraction study shows amorphous nature of these polymers.</p> |
| 13 | Possible Applications (Give Details) Principal | Semiconducting material for high temperature applications |



Principal Investigator
(Dr. Sanjay Shivram Ankushrao)


 Principal/Director/ Head of the University Department
PRINCIPAL
Vivekanand College
Kolhapur

Shivaji University, Kolhapur
Research Initiation Scheme

Principal Investigator: Dr. Sanjay S. Ankushrao,
Department of Chemistry,
Vivekanand College, Kolhapur (Autonomous)

Billing Details (2nd Year)

| Sr. No. | Particulars | Amount | Receipt No. |
|--------------|---|--------|---------------|
| 1 | NMR & IR Analysis | 900/- | 4061 |
| 2 | FTIR Analysis | 200/- | 11402 |
| 3 | XRD Analysis | 1600/- | 11403 |
| 4 | FTIR Analysis | 100/- | 432 |
| 5 | NMR Analysis | 1200/- | 90008400 |
| 6 | Thermal Analysis | 1800/- | 58634 |
| 7. | C.A. Audit (1 st & 2 nd Year) | 2000/- | |
| 8. | | | |
| Total | | | 7800/- |

Punyaslok Ahilyadevi Holkar
Solapur University Solapur

SOLAPUR UNIVERSITY

Receipt (F.Y. : 2020 - 2021)

Number : 4061 Dated : 16-Dec-2020


Received From : Sanjay Ankushrao Exam

Address Month/Year

Centre Name Seat No

| Particulars | Amount |
|-------------|--------|
| 1H NMR | 700.00 |
| FT-IR | 200.00 |

Remarks : UTR NO - 034914673112



Grand Total ₹ 900.00

INR Nine Hundred Only

Clerk

Any discrepancy in the above receipt may kindly be brought to the notice of Cashier within two days.

Paid by me

[Signature]

Punyaslok Ahilyadevi Holkar
Solapur University Solapur.

SOLAPUR UNIVERSITY

Receipt (F.Y. : 2020 - 2021)



Number : 11402

Dated : 9-Mar-2021

Received From : Sanjay Ankushrao
Address
Centre Name

Exam
Month/Year
Seat No

| Particulars | Amount |
|-------------|--------|
| FT-IR | 200.00 |

Remarks : UTR No 100811690870 DT 09/01/2021



सोलापूर विद्यापीठ

॥ विद्याया विना ॥

Grand Total

₹ 200.00

INR Two Hundred Only.

Clerk

Any discrepancy in the above receipt may kindly be brought to the notice of Cashier within two days.

Punyaslok Ahilyadevi Holkar
Solapur University Solapur.

SOLAPUR UNIVERSITY

Receipt (F.Y. : 2020 - 2021)



Number : 11403

Dated : 9-Mar-2021

Received From : Sanjay Ankushrao
Address
Centre Name

Exam
Month/Year
Seat No

| Particulars | Amount |
|-------------|----------|
| XRD | 1,800.00 |

Remarks : 106815487371 DL 09/03/2021



सोलापूर विद्यापीठ

॥ विद्याया विना ॥

Grand Total

₹ 1,800.00

INR One Thousand Six Hundred Only.

Clerk

Any discrepancy in the above receipt may kindly be brought to the notice of Cashier within two days.

paid by me

Anekant Education Society's

JAYSINGPUR COLLEGE, JAYSINGPUR.

Accredited at 'A' Grade (NAAC)

DST - FIST Analytical Instrumentation Lab

Shirof Road, Jaysingpur Tal. Shirof, Dist. Kolhapur (Maharashtra)

Tel: (02322) 225381 Fax: (02322) 226481

M/s. Dr. Sanjay S. Ankushrao. Bill No. 43.

Vivekanand College, Kolhapur Date: 27/01/2020

| Sr. No. | Particulars | Quantity | Rate | Amount Rs. | P |
|---------------------|-------------|----------|------|---------------|----|
| 1 | FTIR | 01 | 100 | 100 | 00 |
| Total Amount | | | | 100 | 00 |

Rs. in Words One hundred rupees only -

Customer Sign.

Shane

For - DST - FIST Analytical Instrumentation Lab

Paid by me 



SHIVAJI UNIVERSITY, KOLHAPUR

Bank Receipt

Receipt No. : 58634
Receipt Date : 14/03/2021
Received From : DR.SANJAY S ANKUSHRAO
Deposit In A/c : A/c - 1 UCO Bank Shivaji University
Mode of Inst. : By Cash
Drawee Bank : VIDYANAGAR

| Sr. No. | Particular | Budget | Amount |
|-------------|-----------------------------|---------|----------|
| 1 | Receipt against Scanning of | A.8.R.5 | 1,800.00 |
| Total (Rs.) | | | 1,800.00 |

Rupees ONE THOUSAND EIGHT HUNDRED ONLY

Depositor Copy

contact no-9096070345


Note : The Receipt is subject to the realisation of Cheque

CHOUJULEDS

Authorised Signatory

Paid by ME

Tax Invoice

| | | |
|---|---|---|
| Indian Institute of Science C.V. Raman Avenue, Bangalore , 560012 GSTIN : 29AAAT11501J2ZV |  | Department : NMR Research Center Telephone : 080 22932536 Telefax : E-mail : office.nmr@iisc.ac.in |
| Invoice Number : 90008400 Sales Order Number : 10004238 | Invoice Date : 18.01.2021 Sales Order Date : 11.01.2021 | |
| Customer Details | Billing Details | |
| 5100002571 PAN No: ALOPA8731H Dr. Sanjay Shivram Ankushrao, Dept. of Chemistry, VIVEKANAND COLLEGE, KOLHAPUR - 416003 ,Maharashtra,India Tel : Fax: Email : GSTN : | 5100002571 PAN No: ALOPA8731H Dr. Sanjay Shivram Ankushrao, Dept. of Chemistry, VIVEKANAND COLLEGE, KOLHAPUR - 416003 ,Maharashtra,India Tel : Fax: Email : GSTN : | |

| Item no. | Item Code / SAC Code / Item Description | Qty | UOM | Base Price | CGST% | SGST% | IGST% | Total Amount |
|----------|---|------|-----|------------|-------|-------|-------|--------------|
| 000010 | 6000000020/998346/NMR Spectra Analysis-Liquid | 1.50 | HR | 677.96 | 0.00 | 0.00 | 18.00 | 1,017 |

| | |
|-------------------------|-------|
| Total Base Price | 1,017 |
| CGST Amount | 0 |
| SGST Amount | 0 |
| IGST Amount | 183 |
| Grand Total | 1,200 |

Amount in words: ONE THOUSAND TWO HUNDRED RUPEES

[Handwritten Signature]

AUTHORIZED SIGNATORY

वित्तिय नियंत्रक
 Financial Controller
 भारतीय विज्ञान संस्थान
 Indian Institute of Science
 बंगलूरु / BENGALURU - 560 012.

paid by me

[Handwritten Signature]

Sachin K. Sohani

Chartered Accountants



Office : Sai Sankul Appt. Flat No 02, 2282 B, Kolhapur. Ph- 0231-2625538

Resi : Flat No 605, Indraprastha Tower, Sambahaji Nagar, Kolhapur. Mob.: 9371100403 Email : sohani_ca@yahoo.co.in

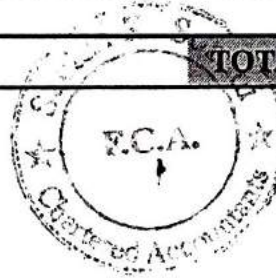
M/s. Dr. Sanjay Shivram Ankurbar
Asstt. Professor. Dept. of Chemistry
Vivekanand College, Kolhapur

No. : **036**

Date : 04/06/2021

| Sr.No. | Particulars | Amount in Rs. |
|-------------------|---|-----------------------------|
| 1) | Consultancy Fees | |
| 2) | Project Report | |
| 3) | Tax Audit Fees | |
| 4) | GST Audit Fees <u>Utilization Certificate (I & II year)</u> | <u>2000500</u> |
| 5) | Statutory Audit Fees | |
| 6) | I. T. Return | |
| 7) | GST Return Filling | |
| 8) | Others | |
| Rupees in Words : | | TOTAL <u>2000500</u> |

Sachin K. Sohani
STATE BANK OF INDIA
IFSC COAD : SBIN0005550
A/C No. : 33807721502



[Signature]

For Sachin K. Sohani