

7.3.1 Institution in one area distinctive



**Khandesh College Education Society's
Post Graduate College of Science, Arts and Commerce, Jalgaon**

M. J. College Campus, Jalgaon, Maharashtra

Awarded 'B⁺' Grade by NAAC with CGPA 2.52 in 1st cycle

Tel. No.: 0257-2236036 Website: pgcollege.kces.in E-mail: pgcollege@kces.in

Recognized by Govt. of Maharashtra vide G. R. No. NGC 2010/247/10 & Affiliated to K. B. C. North Maharashtra University, Jalgaon

Institutional Distinctiveness 2023-24

Research is the area to which students and teachers have attained research goals. This can be made possible due to..

- state-of-the art teaching facilities.
- state-of-the-art laboratories
- Associated with create number of incubation centre of University
- providing research projects to the students

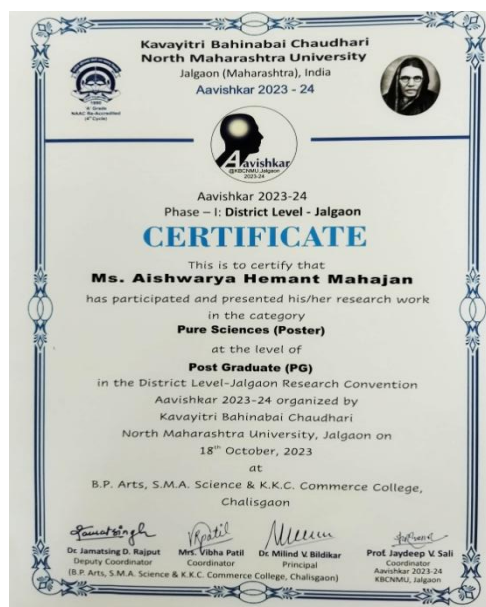
Few significant research achievements are –

- Teachers are very strong in several areas of Research.
- Availability of central instrumentation laboratory (CIL) governs by KCE society in which very sophisticated instruments like FTIR, HPLC, GC, Fermentor, Lyophilizer, PCR, Flame photometer, Spectrophotometer etc. are housed and students avail these facilities for their research.
- Prospective researcher's scheme (PRS) provides platform to the students in which they complete their research articles from research projects they have assigned.
- Dr. R. M. Patil, Department of Chemistry has been awarded research scholarship under VCRMS scheme of the university.
- The College is having MOUs with University/industry/Academic institutions to support student and staff research activities.
- Students participated in research festival of University AAWISHKAR to show case their research talent.

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AAWISHKAR

Participation in University level Research Festival Awishkar-2023



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VCRMS Awards

 कवयित्री बहिणाबाई चौधरी उत्तर महाराष्ट्र विद्यापीठ, जळगाव Kavayitri Babinabai Chaudhari North Maharashtra University, Jalgaon		
विकास विभाग		
KBCNMU/1A/VCRMS/2023-24/288/2023		Date: 27.09.2023
To, The Principal, KCES's Post Graduate College of Science, Arts & Commerce, Jalgaon		
Sub.: Financial assistance for research project under the Scheme Vice Chancellor Research Motivation Scheme (VCRMS) to University/College Teachers through University Fund		
Ref.: University Office Letter No. कबचौउनावि/11ए/VCRMS/167 /2023, दि. 10.06.2023		
Project titled :- Preparation and characterization of Metal Nanocomposites and their application for the green synthesis of biologically active heterocyclic compounds.		
Subject :- Chemistry		
Sir, With reference to above subject and your letter forwarding the research proposal of Dr. Ravindra Maharu Patil of your College for financial assistance under VCRMS scheme. It is conveyed that the research proposal is of approved with the approval sanctioned of total grant of Rs. 1,80,000/- (Rupees One Lakh Eighty Thousands Only) The 1st installment of Rs. 1,25,000/- (Rupees One Lakh Twenty Five Thousands Only) is released to the Principal KCES's Post Graduate College of Science, Arts & Commerce, Jalgaon for research project of Dr. Ravindra Maharu Patil for the period of 2 years and detailed are given below:-		
S.No.	Item	Grant Released as 1st Installment
A.	Non-Recurring	--
	Books/Journals	00
	Chemical/ Equipments	1,05,000/-
B.	Recurring	--
	Contingency	20,000/-
	Travel/ Field work	00
	Hiring Services	00
Total		1,25,000/-
1. The sanctioned amount is debitable to the University budget: 2023-24 under Vice Chancellor Research Motivation Scheme (VCRMS) head. 2. The Principal Investigator must send the acceptance certificate in prescribed format to the undersigned within 15 days from the issue of the award letter failing, it will be presumed that the Principal Investigator is not willing to implement the project and approval will be withdrawn. 3. If the terms & conditions are acceptable, the cheque issued by University, may be retained otherwise the same may be returned to the Finance & accounts officer, KBCNMU by Registered Post within 15 days from the receipt of the cheque.		
Cont..2		
१. कॉलेज विभाग KBCNMU/1A/VCRMS/2023-24/288/2023		इमेल : www.kbcnmu.ac.in

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 कवयित्री बहिणाबाई चौधरी उत्तर महाराष्ट्र विद्यापीठ, जळगाव Kavayitri Bahinabai Chaudhari North Maharashtra University, Jalgaon	
विकास विभाग	
(2)	
4. The sanctioned amount shall be transferred to a separate account operated jointly by Principal Investigator and Principal. 5. The College shall maintain proper accounts of the expenditure out of the grants which shall be utilized only on approved items of expenditure. 6. The grantee institution shall ensure the utilization of grant- in -aid for which it is being sanction/paid. The Utilization Certificate of the effect that the grant has been utilized for the purpose for which it has been sanctioned shall be furnished to the University as early as possible after the close of the current financial year. 7. The assets acquired wholly or substantially out of University grant shall not be disposed or encumbered or utilized for the purposes other than those for which the grant was given, without proper sanction of the University and should, at any time the college ceased in function such assets shall revert to the University. 8. A Register of assets acquired wholly or substantially out of the grant shall be maintained by the College in the prescribed form. 9. The appointment of staff is not permissible. Purchase of equipment/items should be made as per Government & University rules. 10. The Principal Investigator should submit six monthly progress report. The statement of accounts and utilization certificate should be submitted at the end of financial year for the release of subsequent grant. The release of fund as a second installment will be depend on quality as well as the performance of work done at first stage and recommendation of the committee constituted for the said purpose. 11. If the Principal Investigator is transferred from his/her original place of the work to another institutions a NOC should be furnished as stated in guidelines. 12. The participation of Principal Investigator in AVISHKAR organized by Kavayitri Bahinabai Chaudhari North Maharashtra University, Jalgaon is mandatory. 13. It is mandatory that the P I should publish at list one research paper from the project work in University Grants Commission care list /peer reviewed journal and One copy of the paper be submitted to the Development Section. The acknowledgement of Kavayitri Bahinabai Chaudhari North Maharashtra University, Jalgaon is essential in the research paper for financial assistance. 14. The final report in bound copy of work done on the project in thesis form along with CD be submitted to the University.	
Yours Faithfully,  Section Officer Development Section	
Copy forwarded for information and necessary action:- 1) The Finance & Accounts officer,KBCNNU,Jalgaon You are requested to release the cheque of an amount of 1st installment to the Principal. 2) Dr. Ravindra Maharu Patil, KCES's Post Graduate College of Science, Arts & Commerce, Jalgaon Copy Submitted to:- 1) The Vice Chancellor's Office,KBCNNU, Jalgaon 2) The Pro-Vice Chancellor's Office,KBCNNU, Jalgaon	
1. (११) अशुद्ध-३५५१११६ KCES PGCSAC is related letter to VCRMS of २०२३-२४ आम्ही : www.kbcnmu.ac.in	

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Microbiology Student's achievements



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Prospective Researchers Scheme PRS



A Compendium of Research Articles by Prospective Researchers 2023-24 Volume VI

INDEX	
Sr. No.	Title of Research Article
ORGANIC CHEMISTRY	
1	Bio-synthesis and Characterization of Ag-NPs and its Application as Nano-organic catalyst for one pot synthesis of Pyranopyrazoles Tavari Pooja Prakash, Patil Darshana Rajendra, Tayade Gujan Shashikant, Dr. Ravindra M. Patil
2	Synthesis of oxazine and thiazine using Chalcone Patil Mitali Dinesh, Mahale Nikita Rajendra, Padavi Dipak Sampat, Nikum Amul Devendra, Mrs. Shalini S. Zope
3	Ag-incorporated Co-succinate Metal Organic framework for detection of Hg(II) and used as catalyst for synthesis of heterocyclic compound Ahire Mitesh Chandrashekhar, Patil Gauvrav Premraj, Patil Mayur Jagannath, Dr. Ravindra M. Patil
4	Efficient one pot synthesis of imidazole derivatives by using Cu- nanocatalyst Mali Mayur Rajendra, Jadhav Bhagyashri Ravindra, Pachpande Saurav, Miss. Rupali A. Chaudhari
5	Synthesis of cyanuric chloride derivative and its antibacterial activities Mistari Siddharth Prabhakar, Patil Jagdish Lotan, Mali Nandkishor Vitthal, Sonar Akshaykumar Natthu, Vende Prasanna Kishor, Dr. Ravindra M. Patil
ANALYTICAL CHEMISTRY	

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6	Synthesis of bio plastic by using potato starch. Shinde Arati Sukdev, Bhoi Shubhangi Madhukar, Vispute Pramod Waman, Dhangar Gaurav Yuvraj, Miss. Snehal S. Yeole
7	Analysis of clove oil and extraction of Eugenol Patil Saurabh Bhimrao, Patil Yamini Kiransingh, Navarkar Yamini Bhila, Mrs. Shalini S. Zope
8	Formulation and evaluation of herbal hand wash and herbal hand sanitizer Behere Vishakha Santosh, Patil Sujata Walmik, Patil Nandini Motilal Miss. Snehal S. Yeole
9	Extraction of oil from orange peels and study of an its antimicrobial, antifungal and phytochemical activity. Girase Abhijit Dhansingh, Girase Pratik Dilip, Girase Mrunalsingh N, Girase Varunsingh Kamalsingh, Miss. Rupali A. Chaudhari
10	Formulation and evaluation of herbal antibacterial face pack. Patil Lalit Ravindra, Rathod Rajesh Ramdas Sali Jagruti Kiran, Patil Dipali Jitendra, Dr. Ravindra M. Patil
MICROBIOLOGY	
11	Antimicrobial Activity of Turmeric Extract and Its Photochemical Analysis Ragini Bhagwat Patil, Rutuja Anil Sonar, Gaytri Kailas Jadhav, Pratiksha Kailas, Chaudhari , Miss. Ratnamala Magan Pawara, Mr. S. N. Patil
12	Efficient Production of Biofertilizer Using Sugarcane Waste Sakshi Shirode, Laxmi Patil, Aatmja Kasar, Divya Patil, Samrudhi Chaudhari, Mr. S. N. Patil
13	Production of Bio-Fertilizer Using Plant Growth Promoting Rhizobacteria (PGPR) RutujaYogendrasing Patil, Jayashri Rajaram Rathod, Pratiksha Bhushan Raygade, Miss. Bhagyashri Dayanand Baviskar, Mr. S. N. Patil and Diksha Satpute
14	Screening and characterization of Protease Producing Microbes from Soil Samples of Jalgaon District Rupali Raju Adakmol, Vaishnavi prasad chavan, Prajakta Sanjay Suryavanshi, Miss. Varsha Vijay Salunke, Kajal Ashok Wankhede, Mr. S. N. Patil
15	Screening and characterization of the L-asparaginase producing microorganisms from Jalgaon Tejal Ashok Attarde, Jayshri Nanasaheb Ahirrao, Yash Vittal Patil, Payal Murlidhar Ghule, Mayuri Sudhir Sonawane, Mr. S. N. Patil and Diksha Satpute
BIOTECHNOLOGY	
16	Development and evaluation of a formulation for the treatment and prevention of inflammatory bowel diseases Arti Suresh Patil, Rajanadani Arun Patil, Payal Shiwaji Sonawane, Sakhi Raghunath Patil, Swati Hiralal Patil , Khishboo Arun Chaudhari, Dr. Sarang Bari , Mrs Muskan Tadv
17	Biochemical Investigation of Artocarpus heterophyllum Lam Latex Students: Lokesh Pandharinath Bonde, Divya Kailash Patil, Aishwarya Subhash Chaudhari , Lajari Sanjay Bhavsar , Jatashri Ashok Mahajan Dr. Bhushan Kavimandan
18	Production of Panchagavya and its effects on vigna radiate and Vigna mungo L. Students: Divya Rajendra Shimpi, Mayur Shashikant Chaudhari , Aachal Dipak Patil, Naina Ravindra Borse , Rajashri Mukesh Patel, Dr. Bhushan Joshi

7.3.1 Institution in one area distinctive

Association with INCUBATION CENTRE of University

खानदेश कॉलेज एज्युकेशन सोसायटीचे
**पोस्ट ग्रेज्युएट कॉलेज ऑफ सायन्स,
टेक्नॉलॉजी अँड रिसर्च, जळगाव**

एम. जे. कॉलेज परिसर, जळगाव (महाराष्ट्र) भारत
टेलिफोन : +९१ २५७ २२३६०३६
Website : pgcollege.kces.in | Email: pgcollege@kces.in



ESTD. 2018

NAAC Accredited 'B+' Grade
with CGPA 2.52 (First Cycle)
Khandesh College Education Society's

**Post Graduate College of Science,
Technology and Research, Jalgaon**

M. J. College Campus, Jalgaon (Maharashtra) INDIA
Telefax : + 91 267 2236036
Website : pgcollege.kces.in | Email: pgcollege@kces.in

Recognised by Govt. of Maharashtra vide G. O. No. NGO 2013/247/10 & Affiliated to North Maharashtra University, Jalgaon

Date: 17/07/2021

To,
Director,
KBCNMU Centre for Innovation, Incubation and Linkages (KCIL)
KBC North Maharashtra University, Jalgaon

Respected sir,

This is with reference to your letter KBCNMU/KCILL/14/ 2021, Dated 11th June 2021, KCE society's Post Graduate College of Science, Technology and Research, Jalgaon has constituted the committee of "KCIL Innovation and Entrepreneurship Development Cell (K-IEDC) to nurture the entrepreneurial mindset among the young students. The composition of is as below.

Sr. No	Structure	Name & Particulars of members	Contact details. Mob. No. & Address	e-mail ID
1	Head	Prof. J. V. Khan (Senior Faculty member)	8055508081, PGCSTR, Jalgaon.	jvkhano7@gmail.com
2	Co-ordinator	Prof. S. N. Patil (Faculty member)	8806680979, PGCSTR, Jalgaon.	snpatil012@gmail.com
3	Students	1. Rastogi Anupkumar S. (BT)	8200505758, PGCSTR, Jalgaon.	anuprastogi903@gmail.com
		2. Rohini Sanjay Salunkhe (MB)	9284677100, PGCSTR, Jalgaon.	rohini2812000@gmail.com
		3. Chavan Sagar Sanjay (OC)	9359205859, PGCSTR, Jalgaon.	Chavansagarсанjay001@gmail.com
		4. Bidkar Prarthna Anil (BT)	9049269338, PGCSTR, Jalgaon.	prarthanabidkar0899@gmail.com
		5. Patil Jayvirsingh Rajendra (MT)	9404518838, PGCSTR, Jalgaon.	jayvirsinghrpatil@gmail.com
4	Invitee	1. Dr. P. S. Patil	9423722031, Enrich Bio-Tech & Fertilisers, Malkapur.	enrichbiotech1@yahoo.in
		2. Dr. K. C. Patil	9422283850, Krishna Pectins, MIDC, Jalgaon.	krishnapectin@hotmail.com
		Dr. R. M. Patil (Assistant, Co-ordinator)	7028164995, PGCSTR, Jalgaon.	mr.raviraj86@rediffmail.com

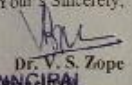
The college has already organized various activities for nurturing of entrepreneurship, startups and IPR for the students. The eminent resource persons such as Prof. Kiran Talele, SPIT, Andheri, Prof. B. L. Chaudhari, KBCNMU, Jalgaon, undertook the exhaustive sessions on the entrepreneurship and IPR in current academic year.

The few of the following activities that would be organized by K-IEDC of college as follows in future;

- Inspiring sessions by Successful Entrepreneurs.
- Sessions on Process of Innovation Development.
- Chat sessions with various mentors on LIVE platform for those who are the cell members.
- Awareness on opportunities in various sectors/subjects of innovation.
- Explore virtual Internship Opportunities for students at industries/Startups / KCIL.

Thank you.



Your's Sincerely,

Dr. V. S. Zope
PRINCIPAL
Post Graduate College of Science
Technology & Research, Jalgaon

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7.3.1 Institution in one area distinctive

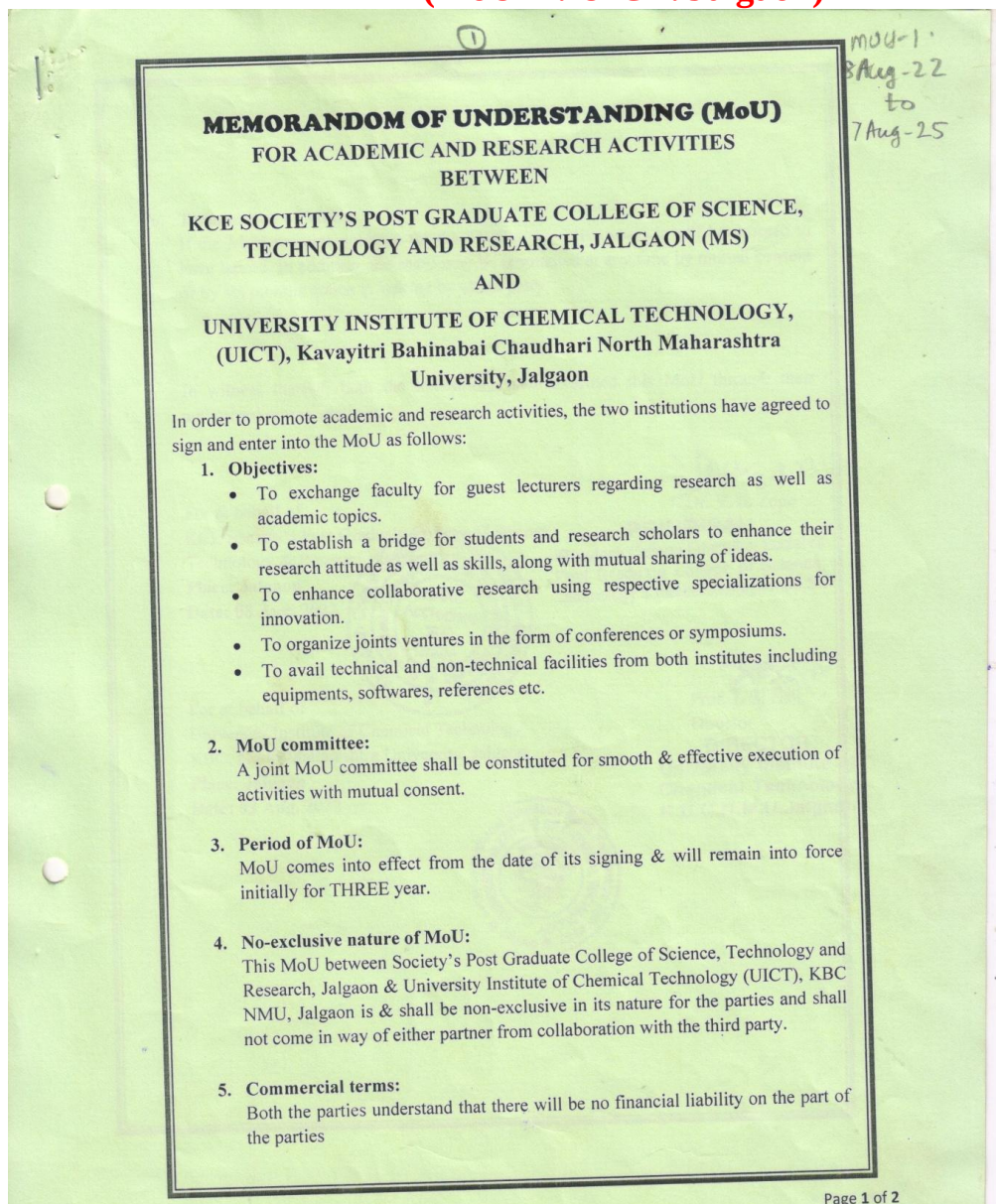
Central instrumentation Laboratory (CIL)



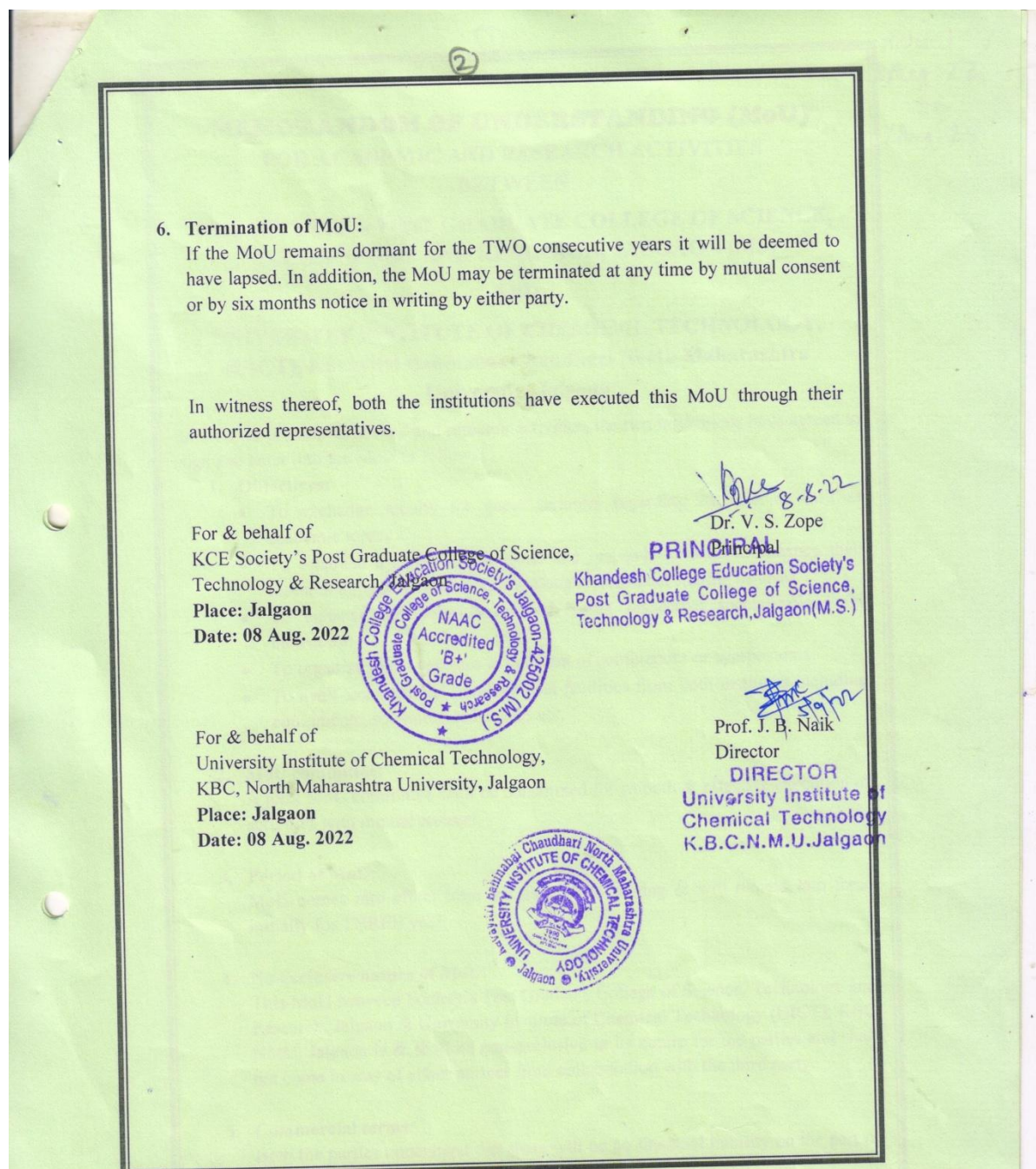
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MOUs

(MoU -1: UICT. Jalgaon)



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7.3.1 Institution in one area distinctive

(MoU -2: Nutan Urja)

21-June 21 to 24 June
MOU-2 24

3

**MEMORANDUM OF UNDERSTANDING (MOU) FOR ACADEMIC ACTIVITIES
BETWEEN
K C E SOCIETY'S POST GRADUATE COLLEGE OF SCIENCE, TECHNOLOGY AND
RESEARCH, JALGAON (MS)
AND
NUTAN URJA SOLUTIONS, PUNE (MS)**

KCE society's Post Graduate College of Science, Technology and Research, Jalgaon desire to develop academic activities between the institutions and have agreed to sign and enter into MoU as follows:

1. Objectives:

- To provide a common platform for exchange of ideas regarding the initiation implementations of research and academic activities
- To exchange the information, about science and technological trends in renewable energy & waste management

2. Planning of Activities:

To conduct activities in smooth manner, detail planning shall be formulated, thorough discussion between the authorities of two firms depending of nature and need of specific activity and convenience. However, the basic aim is academic development and quality enhancements.

3. Financial terms and modes:

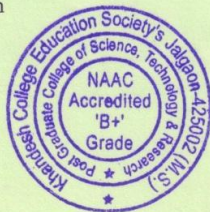
The requirements of funds for the planned activities shall be worked out through mutual consent.

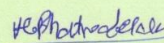
5. Period of MoU:

The MoU comes into effect from the date of its signing and will remain into force initially for **Three years** Its validity may be extended by mutual agreements between two institutions.

In witness thereof, both the institution has executed this MoU through their authorized representatives.


Dr. V. S. Zope
Principal,
For and behalf of
KCE society's Post Graduate College of Science, Technology
and Research, Jalgaon
Place: Jalgaon
Date: 21st June 2021




Kaustubh Bhatwadekar
In-Charge
For and behalf of
Nutan Urja Solutions, Pune



7.3.1 Institution in one area distinctive

(MoU -3: MJC, Jalgaon)

moU-3
26-8-21 to 25-8-23

(4)

MEMORANDUM OF UNDERSTANDING (MOU) FOR ACADEMIC AND RESEARCH ACTIVITIES

BETWEEN

K C E SOCIETY'S POST GRADUATE COLLEGE OF SCIENCE, TECHNOLOGY AND RESEARCH, JALGAON (MS)

AND

MOOLJI JAITHA COLLEGE (Autonomous), JALGAON (MS)

KCE society's Post Graduate College of Science, Technology and Research, Jalgaon desire to develop academic and research activities between the institutions and have agreed to sign and enter into MoU as follows:

1. Objectives:

- To provide a common platform for exchange of ideas regarding the initiation implementations of research and academic activities or programmes and to exchange faculty and students for academic development.
- To organize joint seminars/ conference/workshop etc at national level.
- To exchange the information, about science and technological trends.
- To use and share facilities like, library, sophisticated instruments, laboratories, psychological counseling laboratory and sports facilities etc.

2. Planning of Activities:

To conduct activities in smooth manner, detail planning shall be formulated, thorough discussion between the authorities of two colleges depending of nature and need of specific activity and convenience of both the colleges. However, the basic aim is academic development and quality enhancements of the colleges.

3. Financial terms and modes:

The requirements of funds for the planned activities shall be worked out through mutual consent of both the college. The colleges will not demand any momentary charges from each other for the use of the facilities regarding teaching research and development.

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4. Teaching Linkages:

For the student's excellence in academic performance, the expertise in the subjects from both the colleges shall be exchange as per the convenience of teaching faculties.

5. Period of MoU:

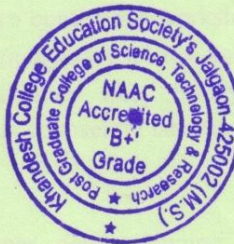
The MoU comes into effect from the date of its signing and will remain into force initially for **TWO years**. Its validity may be extended by mutual agreements between two institutions.

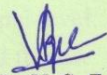
6. Non - exclusive nature of MoU:

This MoU between the KCE Society's Post Graduate College of Science, Technology and Research, Jalgaon. (MS) and Moolji Jaitha College (Autonomous), Jalgaon (MS) is and shall be non exclusive in its nature for the parties and shall not come in way of either partner from collaboration with the third party.

In witness thereof, both the institution has executed this MoU through their authorized representatives that is principals.

For and behalf of
KCE society's Post Graduate College of
Science, Technology and Research, Jalgaon
Place : Jalgaon
Date: 26th August 2021

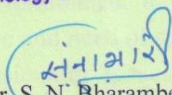



Dr. V. S. Zope
Principal

PRINCIPAL
Khandesh College Education Society's
Post Graduate College of Science,
Technology & Research, Jalgaon (M.S.)

For and behalf of
Moolji Jaitha College, Jalgaon
Place : Jalgaon
Date: 26th August 2021

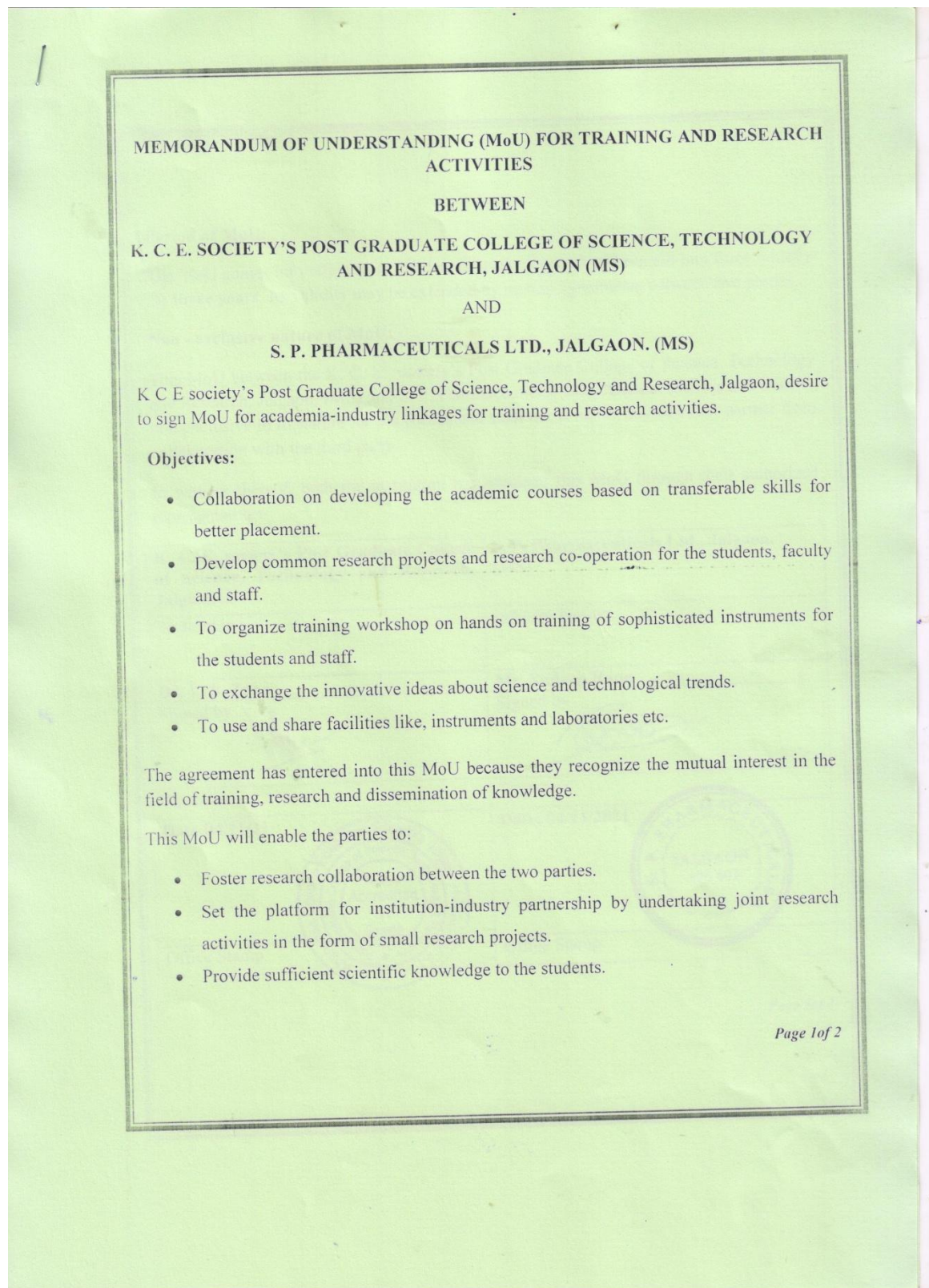



Dr. S. N. Bharambe
Principal

PRINCIPAL
M.J. College, Jalgaon
(Autonomous)

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(MoU -4: S P Phrama)



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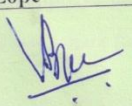
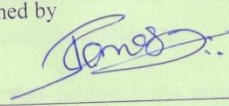
Period of MoU:

The MoU comes into effect from the date of its signing and will remain into force initially for **three years**. Its validity may be extended by mutual agreements between two parties.

Non - exclusive nature of MoU:

This MoU between the K. C. E. society's Post Graduate College of Science, Technology and Research, Jalgaon. (MS) and S. P. Pharmaceuticals Ltd., Jalgaon. (MS) is and shall be non exclusive in its nature for the parties and shall not come in way of either partner from collaboration with the third party.

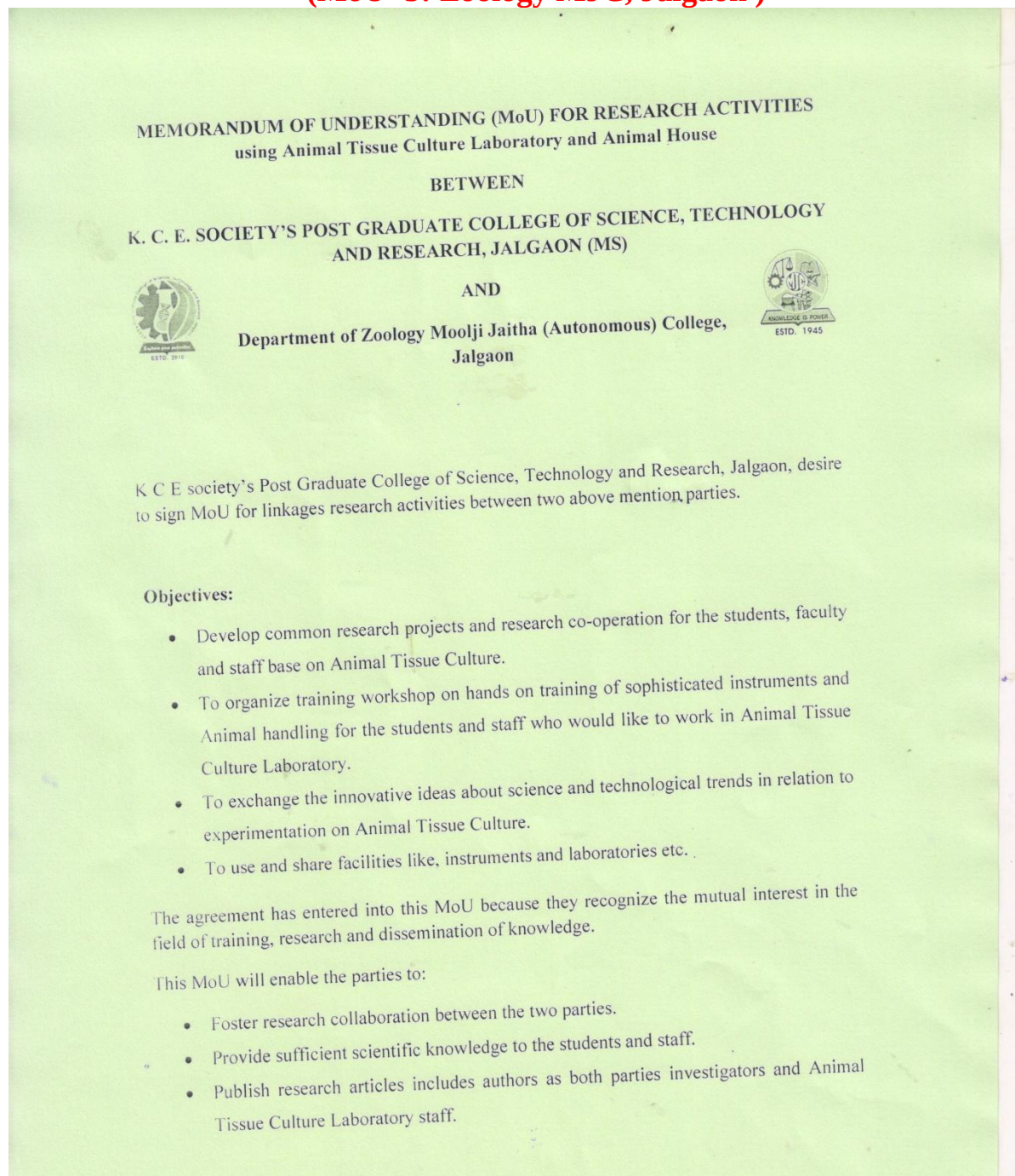
In witness thereof, both the institution has executed this MoU through their authorized representatives.

K. C. E. society's Post Graduate College of Science, Technology and Research, Jalgaon	S. P. Pharmaceuticals Ltd., Jalgaon. (MS)
Institution	Industry Partner
Dr. V. S. Zope Signed by 	Mr. Sudeep Rane Signed by 
Signature	Signature
Date: 04/11/21	Date: 04/11/2021
Office Stamp 	Office Stamp 

Page 2 of 2

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(MoU -5: Zoology MJC, Jalgaon)



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Period of MoU:

The MoU comes into effect from the date of its signing and will remain into force initially for three years. Its validity may be extended by mutual agreements between two parties.

Non - exclusive nature of MoU:

This MoU between the K. C. E. society's Post Graduate College of Science, Technology and Research, Jalgaon. (MS) and S. P. Pharmaceuticals Ltd., Jalgaon. (MS) is and shall be non exclusive in its nature for the parties and shall not come in way of either partner from collaboration with the third party.

In witness thereof, both the institution has executed this MoU through their authorized representatives.

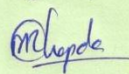
Signed by



Dr. V. S. Zope
Principal

K. C. E. society's Post Graduate College of
Science, Technology and Research, Jalgaon

Signed by



Dr. M. Z. Chopda
In-charge

Animal Tissue Culture Laboratory,
Department of Zoology,
Moolji Jaitha (Autonomous) College,
Jalgaon

Date: 05/11/2021



Date: 05/11/2021

