

Department of Mechanical Engineering

Third International Conference on Advances in Materials Science 2023(Online)



Third International Conference on
Advances in Materials Science 2023

ICAMS 2023

09 - 10 May 2023 | Online Conference



Abstract Submission (Extended): 25 Apr 2023
Acceptance Notification : 26 Apr 2023
Advanced Registration : 20 Apr 2023
Regular Registration : 30 Apr 2023

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Department of Mechanical Engineering

Final Call_Scopus_3rd International Conference on Advances in Materials Science_Online_09 - 10 May 2023

Email Content:

Dear Professor,

We are happy to announce “**3rd International Conference on Advances in Materials Science**” (www.icams.in) scheduled on 09 - 10 May 2023 (**ONLINE**) hosted by DVVP College of Engineering, Ahmednagar, Maharashtra, India and organized by Technology Research and Innovation Centre, India.

All accepted papers will be published in KEM / MSF / JBBBE / AMR / AST / CTA, etc. by Trans Tech Publications, Switzerland.

We invite you to submit the abstract in ICAMS 2023. Full paper versions of accepted abstracts will pass through a peer review process.

We welcome authors to make paper ready and submit at earliest, without waiting for the submission deadline.

Abstract Submission Extended: 03 May 2023 (Final Call)

Acceptance Notification: 03 May 2023

Advanced Registration: 30 April 2023

Regular Registration: 05 May 2023

We are looking to receive your paper in ICAMS 2023. Write to us for any concern you have.

With Warm Regards

ICAMS 2023 Committee

Third International Conference on Advances in Materials Science 2023

www.icams.in

Email: icams@enggnagar.com

Department of Mechanical Engineering

Third International Conference on Advances in Materials Science 2023

We welcome all to the Third International Conference on Advances in Materials Science 2023 (ICAMS 2023). The ICAMS 2023 is organized by Technology Research and Innovation Centre, India in association with Dr. Vitthalrao Vikhe Patil College of Engineering, Ahmednagar, India | Academy of Nanotechnology and Waste Water Innovations, Johannesburg, South Africa | College of Engineering, Covenant University, Ota, Nigeria **09 - 10 May 2023**.

ICAMS 2023 is providing a platform for worldwide researchers, scientists and academicians working in the field of Material Science. We aim to receive only original high quality research papers for this conference. We request authors to submit the paper immediately when it is ready, without waiting for the submission deadline.

- **Abstract Submission Extended : 25 Apr 2023**
- All accepted papers will be presented through ONLINE mode.

Publication

- Submitted papers will be peer reviewed by the conference scientific committees and select papers will be published in **KEM / MSF / JBBBE / AMR / AST / CTA, etc.** published by Trans Tech Publication. Published papers will be submitted to major indexing services may include **SCOPUS, Web of Science, Chemical Abstracts Service, Google Scholar, CSA**, etc. For More Details [Click Here](#)

News and Quick Links

Abstract Submission Extended : 25 Apr 2023

Submit Abstract at info.icams@gmail.com

[Download Abstract Template](#)

[Download Paper Template](#)

Join Scientific Committee

Invitation to join Scientific Committee is open.

[Please click here to join](#)

Past ICAMS 2020 | 2021

- ICAMS 2021 papers published in KEM / MSF / JBBBE / AMR / AST
- ICAMS 2020: KEM Vol 882 Indexed in SCOPUS.
- ICAMS 2021: Authors from 18 Countries
- ICAMS 2020: Authors from 16 Countries

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Organizers, Sponsors and Exhibitors



Call for papers

Authors from Material Science, Mechanical Engineering, Civil Engineering, Chemical Engineering, Manufacturing, Mining Engineering, Physics, Chemistry, Nano technologies, Biomaterial technologies, Textile Engineering, Polymer Science, etc. branches describing research, reviews and applications are invited to submit the papers on following topics but not limited to,

- Materials Science
- Materials Engineering
- Materials Processing and Applications
- Nanomaterials and Nanotechnology
- Materials in Research
- Ceramics and Composite Materials
- Polymer Science and Technology
- Smart & Hybrid Materials
- Metallurgy and Metal Science
- Materials for Pharmacology and Biomedical Application
- Materials and Structural Elements for Construction Engineering and Architecture
- Photovoltaics and Electrochemistry Engineering
- Technologies for Environmental Engineering and Waste Recycling

News and Quick Links

Abstract Submission Extended : 25 Apr 2023

Submit Abstract at info.icams@gmail.com

[Download Abstract Template](#)

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Join Scientific Committee

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Past ICAMS 2020 | 2021

- ICAMS 2021 papers published in KEM / MSF / JBBBE / AMR / AST
- ICAMS 2020: KEM Vol 882 Indexed in SCOPUS.
- ICAMS 2021: Authors from 18 Countries
- ICAMS 2020: Authors from 16 Countries

Department of Mechanical Engineering

Important Dates

We are trying to complete review by 2-3 reviewers at earliest without compromising paper quality. We request authors to submit the paper immediately when it is ready, without waiting for the submission deadline. Early paper submission will result in early acceptance.

[Abstract Submission Extended : 25 Apr 2023 \(Round 3\)](#)

[Acceptance Notification : 26 Apr 2023](#)

Early Bird Registration : Closed

Advanced Registration : 20 Apr 2023

Regular Registration : 30 Apr 2023

Conference Dates : 09 - 10 May 2023

Full Paper Submission : 15 May 2023

Registration

General Guidelines

- It is necessary to at least one author should register and present the paper in the conference.
- The transaction charges if any will be borne by author.
- After paying the fees, please submit the [Conference Registration Form](#)

Early Bird Registration: Closed

- Indian Authors: INR 2500
- International Authors: USD 35

[Advanced Registration: 20 April 2023](#)

- Indian Authors: INR 3000
- International Authors: USD 40

[Regular Registration: 30 April 2023](#)

- Indian Authors: INR 3500
- International Authors: USD 45

Additional Publication Charges for Trans Tech Journals Publication

- Euro 80

Refund Policy

- Conference fee once paid is non-refundable.

Department of Mechanical Engineering

Committees

National Scientific Committee | International Scientific Committee | **Organizing Committee**

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Hon Shri. Radhakrishna Eknathrao Vikhe Patil

Member of the Legislative Assembly, Maharashtra, India

Hon Dr. Sujay Vikhe Patil

Member of the Lok Sabha, Government of India

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Principal, Dr. Vithalrao Vikhe Patil College of Engineering, Ahmednagar

Dr. Ajay K. Mishra

Director : Academy of Nanotechnology and Waste Water Innovations, Johannesburg, South Africa, Chairperson, IEEE Nanotechnology Council Chapter, South Africa, Adjunct Professor: Jiangsu University, China, Visiting Professor: Bashkir State University, Russia & Visiting Professor: Robert Gordon University, UK

Dr. Sunday O. Oyedepo

Mechanical Engineering Department, College of Engineering, Covenant University, Ota, Nigeria

- Convener**

Dr. Kishor B. Kale

Dr. Vithalrao Vikhe Patil College of Engineering, Ahmednagar

Department of Mechanical Engineering

- Technical Program Committee**

Dr. Sandip A. Kale, Technology Research and Innovation Centre, India (** Contact)
Prof. Ajay K. Mishra, IEEE Nanotechnology Council Chapter, South Africa
Prof. Pavlo Maruschak, Ternopil Ivan Pul'uj National Technical University, Ukraine
Prof. Sunday O. Oyedepo, College of Engineering, Covenant University, Ota, Nigeria
Prof. Vijay Gadakh, Amrutvahini College of Engineering, Sangamner, India
Dr. Vishwajeet M. Khot, D Y Patil Education Society (Institution Deemed to be University), Kolhapur, India

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Prof. B T Tagad	Prof. V P Patekar	Dr. A.O Omotosho
Prof. C R Shah	Prof. Y S Pathare	
Prof. D B Thange		

Venue

ONLINE

Technical Online Activities will be operated from,
Mechanical Engineering Department,
Dr. Vithalrao Vikhe Patil College of Engineering, Ahmednagar
Dist-Ahmednagar, State- Maharashtra, India
[Click here for more details](#)

As the event will be conducted in ONLINE mode, no letter will be issued to anyone for VISA Application

Department of Mechanical Engineering

Dr. Vithalrao Vikhe Patil College of Engineering,
Vilad Ghat, Ahmednagar.

SCHEDULE- Inauguration

Third INTERNATIONAL CONFERENCE- ICAMS 2023

Venue - Board Room

Date -9th May 2023

Mode: Online (Google meet)

<https://meet.google.com/xyg-myjm-ora>

Activity	Timing
Introductory Speech by Dr. K.B.Kale , Convener, 3 rd ICAMS 2023	11.00 a.m. to 11.05 a.m.
Welcome Address by Prof. Sunil K. Kalhapure Dy. Director Technical, DVVP Foundation, Ahmednagar	11.05 a.m. to 11.10 a.m.
Address by Hon .Lt .Gen. Dr .B. Sadananda, Academic Advisor, DVVP Foundation, Ahmednagar	11.10 a.m. to 11.20 a.m.
Address by Guest	
i) Dr. Sunday Olayinka Oyedepo, Covenant University, Ota, Nigeria	11.20 a.m. to 11.30 a.m.
ii) Prof. (Dr.) P. A. Patil, Member , Board of Studies (Mechanical Engg) , Savitribai Phule Pune University, Pune	11.30 a.m. to 11.35 a.m.
Vote of Thanks by Prof. (Dr.) R.R.Navthar, HOD, Mechanical Engg, Dr.Vithalrao Vikhe Patil College of Engineering, Ahmednagar, Maharashtra, India	11.35 a.m. to 11.40 a.m.

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Third International Conference on Advances in Material Science 2023

9-10 May 2023 (ONLINE)

Full Conference Schedule

Total Accepted Papers: 44

Sr. No.	Day and Date	Activity	Time	Session coordinator	Session Chairs	Google Meet Link
1.	9 th May 2023 Tuesday	Inauguration	11.00 am to 12.10 pm	Prof. Y.S. Pathare Contact No. +91-9404327705	---	https://meet.google.com/xyg-myjm-ora
2.		Session 1	01.30 pm to 03.00 pm	Prof B.T.Tagad Contact No. +91-9890361430	Dr. Prabhudev M.S. Dr. Ravindra Navthar	https://meet.google.com/xjp-jmzg-fec
3.		Session 2	03.00 pm to 04.30 pm	Prof. K.S.Kadam Contact No. +91-8668772377	Dr. Joseph O. Dirisu Dr. Ravindra Garmode	https://meet.google.com/ixv-ofmm-fdg
4.	10 th May 2023 Wednesday	Session 3	10.30 am to 12.00 pm	Prof D.B.Thange Contact No. +91-9763756424	Dr. Kishor Kale Dr. Laxman Abhang	https://meet.google.com/sba-njso-ejb
5.		Session 4	12.00 pm to 01.30 pm	Prof B.T.Tagad Contact No. +91-9890361430	Dr. Ashok Mache Dr. Kanif Markad	https://meet.google.com/fba-pfvo-nwo
6.		Session 5	01.30 pm to 03.00 pm	Prof. K.S.Kadam Contact No. +91-8668772377	Dr. (Mrs) Olufunmilayo O. Joseph Dr. Sampat G. Deshmukh	https://meet.google.com/uxm-iyzt-kuw
7.		Session 6	03.00 pm to 04.30 pm	Prof P.A. Narwade/ D.B.Thange Contact No. +91-9763756424	Dr. Phillip Olufemi Babalola Dr. B.S. Gandhare	https://meet.google.com/jab-dhop-aog

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3rd International Conference on Advances in Material Science 2023 Paper Presentation Schedule

Day 01: 09 May 2023, Tuesday (ONLINE) (Indian Standard Time)

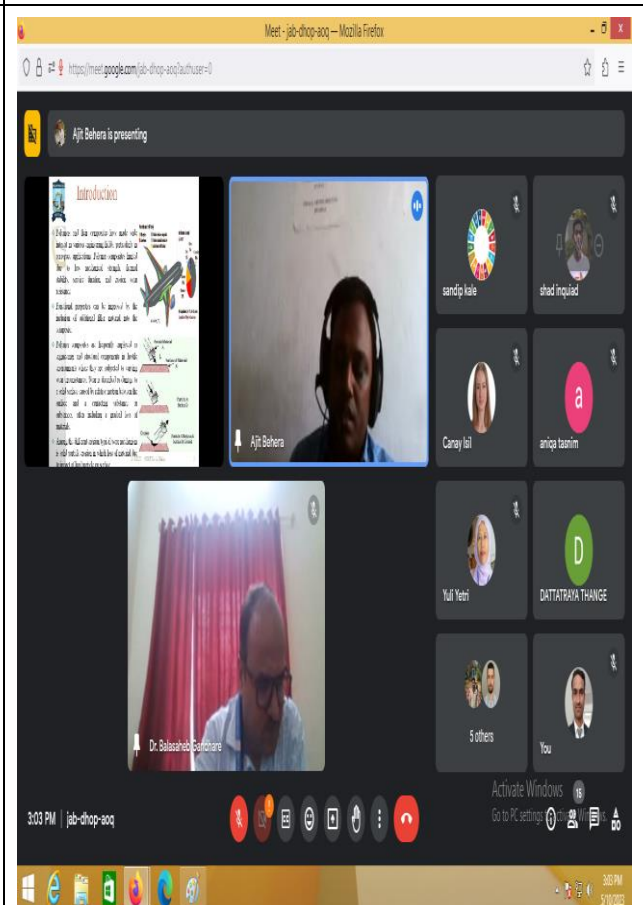
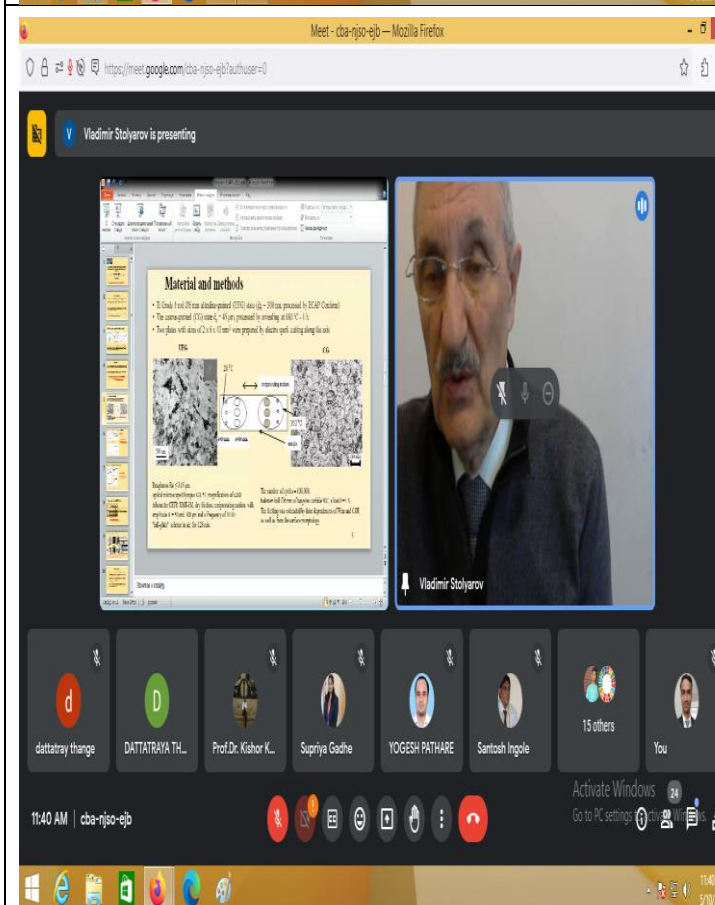
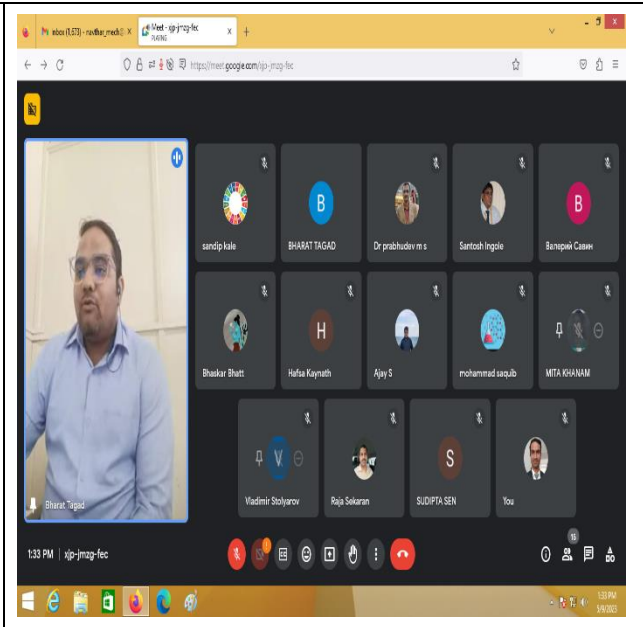
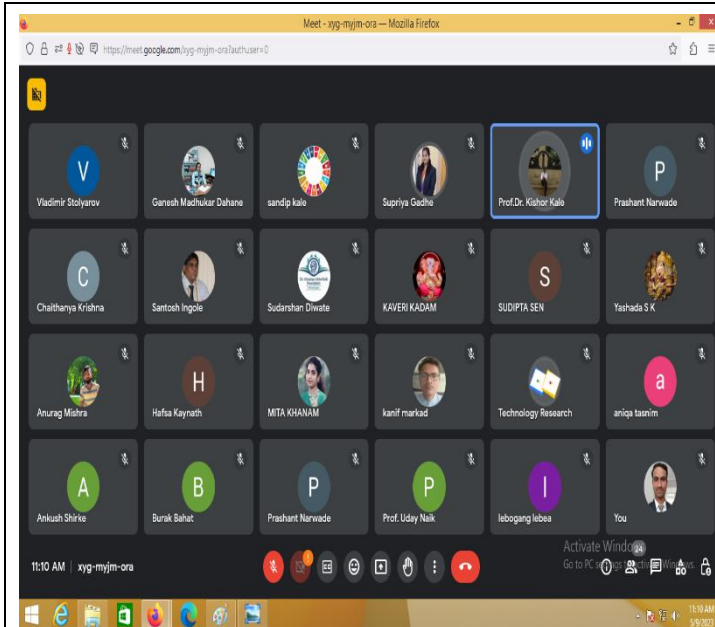
Session	Paper Title	Authors	
1	Change in Concrete Properties Due to Fire	Bhaskar Bhatt	1.
	Stabilization Of Black Cotton Soil Using Sand, Sodium Hydroxide And Fly Ash	Khamar Madiha Afnan, Durga Chaitanya Kumar Jagarapu, Dr. Syed Hamim Jeelani, Arunakanthi Eluru	2.
	Experimental investigation on polyethylene terephthalate (pet) concrete	Ajay S T P, Durga Chaitanya Kumar Jagarapu , Arunakanthi Eluru	3.
	Slugless Jet with Bimetallic Lined Shaped charge	Santosh N Ingole, M J Rathod	4.
2	Role of catalyst and it's concentration on the production of green energy from metal waste	Kanakasabai P, Rajasekaran R, Saikat B, Sivamani S.	5.
	Prediction of basic density in Pterocarpus dalbergioides wood by non destructive near infrared spectroscopy technique	M S Deepa	6.
	Tensile and flexural strength of hybrid PLA / Basalt biocomposite	Mirza Faizaan, Satish B. Shenoy, Chandrakant R. Kini	7.
	Multiple Regression Analysis For Optimization Of Inulin Production From Chicory Roots	Kanakasabai, P, Sivamani, S, Saikat, B.	8.
3	Welding of different stainless steel using Gas Tungsten Arc Welding technique and its characterisation - A Review	Jebin Thankachan Philip , Sudhish R	9.
	Comparison of Static and Dynamic Test Results of Al 6061 Material Subjected To Severe Plastic Deformation.	Burak Bahat, Guven Guney Yapici	10.
	Emerging trends in Copper Sulphide (CuS) & its conjugates-based supercapacitors	Dey Akashdeep, Noyel Victoria S., Gaikwad Mahendra	11.
	Crystallinity Study of Electrodeposited SnO ₂ on FTO	Uddipan Agasti, Samit Karmakar, Soumik Kumar Kundu, Mili Sarkar, Sayan Chatterjee	12.
	Influence of Grain Size and Friction Conditions on Fretting-Wear of Commercial Pure Titanium	Stolyarov Vladimir	13.
			14.

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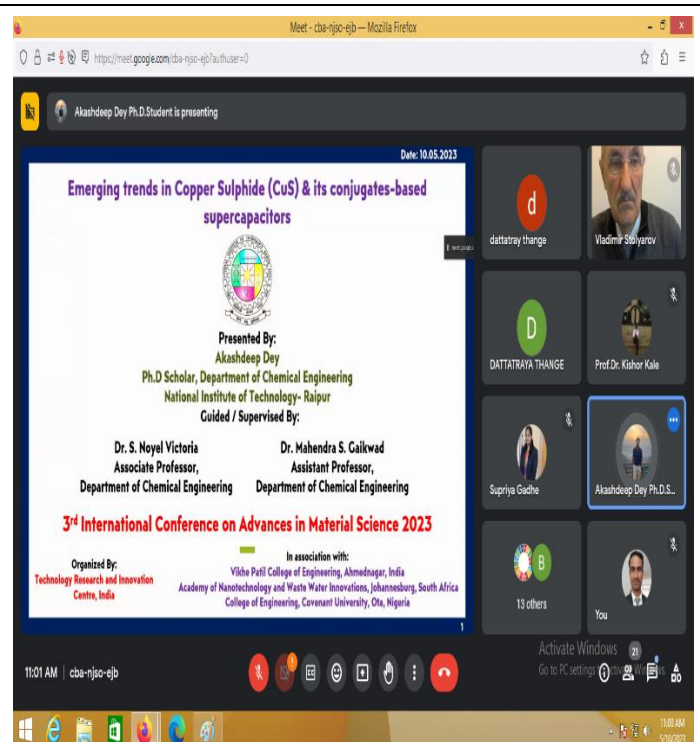
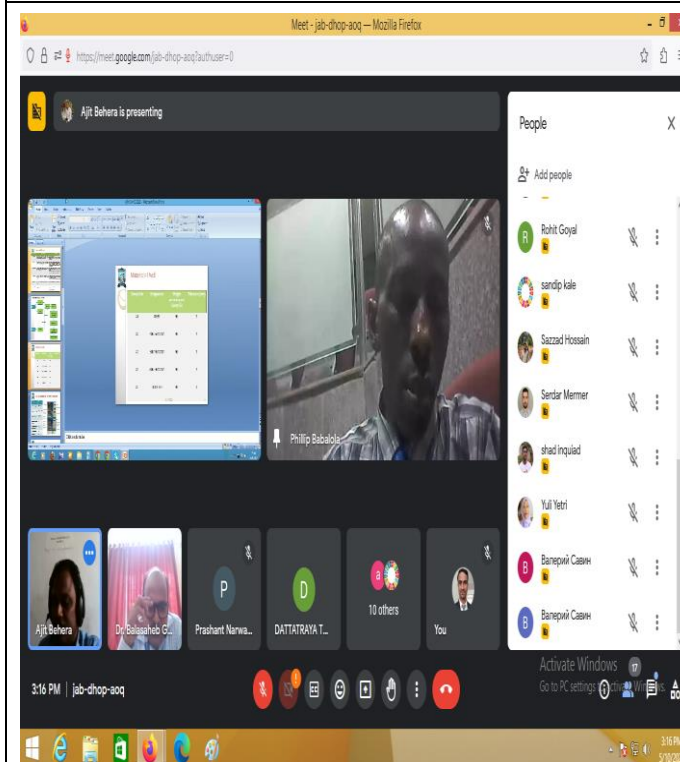
Day 02: 10 May 2023, Wednesday (ONLINE) (Indian Standard Time)

Session	Paper Title	Authors	
4	Adsorption study of 2, 4-Dichlorophenoxyacetic Acid removal using a polypyrrole-activated carbon composite	Sridevi H, Raja Selvaraj, Ramananda Bhat M	15.
	Poly(O-Phenylene Diamine) reformed Pencil Graphite as the disposable electrochemical sensor for voltammetric analysis of tryptamine	Aswathy S Murali , Chippy Harish, Sherin Susan Cherian, Gayathri S Nair, Lekshmi S K, Surya Gopidas, Beena Saraswathyamma	16.
	Dynamic Mechanical Analysis of Graphene Oxide/ Low Density Polyethylene Nanocomposite	Neena.P & P. Predeep	17.
	Experimental and Numerical investigation on effect of cut-outs on Modal parameters of epoxy/glass composite	Shashank N, Ranjan M, Shraddha A, Shashank P, Ramesh S Sharma	18.
	Molecular Property Prediction using YOLO5 and Convolutional Neural Network Machine Learning Algorithm	Ryan S. Evangelista, Patrick D. Cerna, Cromwell M. Castillo, Keno C. Piad, Remedios Ado, Ma. Magdalena V. Gatdula	19.
	A Review on Application of Machine Learning in Fused Deposition Modeling	Tambe Supriya Ravindra, Navthar Ravindra Rambhau	20.
5	Nitric Oxide Gas Sensing By Gold Nanoparticles Decorated Zinc Oxide Nanorods	Dulal Chandra Patra, Nitumoni Deka, Anabadya Dash, Suvra Prakash Mondal	21.
	Effect of Zinc Oxide (ZnO) Nanoparticles on Electrical Characterization of Malachite Green (MG) Dye Based Organic Device	Sudipta Sen, Arnab Kanti Karan, Dipankar Sahoo, Nabin Baran Manik	22.
	Screen printed ultra-flexible supercapacitor based on Zeolitic imidazolate framework derived Co ₃ O ₄ and Graphite Nanocomposite	Mohammad Saquib, Sudhakar Y.N, M. Selvakumar	23.
	Experimental Investigation of Nano-material based Structural Composite	Vivek Patekar, Kishor Kale, Kanif Markad	24.
	Thermoresponsive PNIPAM based nanocellulose reinforced composite hydrogels	Rohit Goyal, Sangeeta Sahu, Santanu Mitra, Bimlesh Lochab	25.
6	Solid particle erosion wear behavior of barium titanate (BT)-calcium copper titanate (CCTO) ceramic polymer composites	Ajit Kumar Behera, Punyapriya Mishra, Punyatoya Mishra	26.
	Effect of Gd content on the microstructures and corrosion properties of Mg-4Zn-3Gd alloy	Mita Khanam, HMMA Rashed	27.
	Effects of Sn on Corrosion Resistance of Rare-Earth-Free Mg-2Zn Alloy	Aniqa Tasnim, Chanchal Kumar Roy, HMMA Rashed	28.
	Physical materials science of the Fe-TM1-Nd-REM-TM2-B alloys obtained by quenching from the liquid state by spraying the melt with an inert gas flow of medium pressure.	Savin Valeriy, Marukhin Artem And Savina Liudmila	29.

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| Model type | Equation |
| --- | --- |
| Linear with intercept | $y = 0.5347 + 0.0236A - 0.0034B - 0.0000C$ |
| Linear without intercept | $y = 0.0227A + 0.0075B + 0.0017C$ |
| 2FI with intercept | $y = -0.0006 + 1.0000A - 3.0000B - 0.1250C - 0.00077AB - 0.0154BC + 0.0039CA$ |
| 2FI without intercept | $y = -0.2187A + 0.1406B - 0.0312C - 0.0039AB + 0.0019BC - 0.0004CA$ |
| Quadratic with intercept | $y = 43.420 - 1.6371A - 1.0249B - 0.407C + 0.0336AB - 0.0049BC + 0.0069CA - 0.0012A^2 - 0.0041B^2 + 7.9 \times 10^{-5}C^2$ |
| Quadratic without intercept | $y = 1.4607A - 1.3430B - 0.4639C - 0.0228AB - 0.0274BC - 0.0052CA - 0.0012A^2 - 0.0041B^2 + 7.9 \times 10^{-5}C^2$ |
| Power with intercept | $y = -0.0054 + 0.0716A^{1.043} + 76.459B^{-0.0001} - 1.360C^{0.0001} - 0.0013A^2 - 0.0002B^2 - 3.49 \times 10^{-5}C^2$ |

The time is 3:21 PM on 5/9/2023." data-bbox="509 510 949 849"/>

Department of Mechanical Engineering

डॉ. विखे पाटील अभियांत्रिकी महाविद्यालयात आज, उद्या आंतरराष्ट्रीय ऑनलाईन परिषद

खेळांच्या

मह

नगरी द
अहमद

आहे. समाज
म्हणून भव्य
आहे. आज
खेळांच्या म
निर्माण कर
दिले आहे,

नगर श
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आमदार सं
करण्यात आ
कदम, नगर
जाधव, किश
मंचे, दत्तात्रय
प्रमोद गुंडे,
रुपाली बोड
मंगलारप, सं
महेंद्र कवडे,
म्याना, सुभा

नगरी दवंडी/प्रतिनिधी
अहमदनगर : विळद
घाट येथील डॉ. विठ्ठलराव
विखे पाटील अभियांत्रिकी
महाविद्यालयात डव्हान्सेस इन
मटेरियल सायन्स या विषयाच्या
अंतर्गत तिसऱ्या आंतरराष्ट्रीय
परिषदेचे ऑनलाईन आयोजन
करण्यात आले असून
मंगळवार व बुधवार दोन
दिवस ही परिषद होणार
आहे. अशी माहिती प्राचार्य
डॉ. उदय नाईक यांनी दिली.
या आंतरराष्ट्रीय ऑनलाईन
परिषदेचे डॉ. विखे पाटील
अभियांत्रिकी महाविद्यालय
आणि टेक्नॉलॉजी रिसर्च अँड
इनोवेशन सेंटर अकॅडमी ऑफ
नॅनो टेक्नॉलॉजी अँड वेस्ट

वॉटर इनोव्हेशन जोहान्सबर्ग
साउथ आफ्रिका आणि
कॉलेज ऑफ इंजीनियरिंग
कोवेनंट युनिव्हर्सिटी ओटा
नायजेरिया यांच्या संयुक्त
विद्यमाने मटेरियल सायन्स
या विषयाच्या आंतरराष्ट्रीय
परिषदेचे आयोजन केले आहे.
या परिषदेत ऑनलाईनच्या
माध्यमातून मटेरियल सायन्स
या विषयात होत असलेल्या
अत्याधुनिक संशोधना
संदर्भात विविध असे सुमारे
५० शोधनिबंधांचे सादरीकरण
होणार आहे हे शोधनिबंध १७
देशांमधून प्राप्त झाले आहेत.
या मध्ये अल्जेरिया, चिली,
चीन, फ्रान्स, इंडिया, इराक,
मोरक्को, नायजेरिया, ओमान,

पोलंड, पोर्तुगीज, रशिया,
साऊथ, आफ्रिका, थायलंड,
व्हिएतनाम, इंडोनेशिया आणि
फिलिपाईन्स या देशांचा
समावेश आहे. मटेरियल
सायन्स या विषयांमध्ये सध्या
होत असलेल्या संशोधना
संदर्भात आधुनिक बाबींचा
ऊहापोह करण्यात येणार
आहे. या परिषदेचे उद्घाटनास
डॉ. विखे पाटील फाउंडेशन
चे जनरल सेक्रेटरी डॉ. पी
.एम. गायकवाड उपसंचालक
श्री. सुनील कल्हापुरे,
प्राचार्य डॉक्टर उदय नाईक
हे उपस्थित राहणार आहेत.
या परिषदेत जगभरातील
विविध विद्यापीठातील
शैक्षणिक तज्ञ सहभागी होण-

र असून डॉ. शुभांशू पांडा,
डॉ. संदीप काळे, डॉ. अजय
मिश्रा, डॉ. संडे ओये डेपो डॉ.
के. बी. काळे हे मार्गदर्शन
करून सहभाग नोंदविणार
आहे. या आंतरराष्ट्रीय
ऑनलाईन परिषदेचे आयोजन
यंत्र अभियांत्रिकी विभाग
प्रमुख डॉ. रविंद्र नवथर
तसेच प्राध्यापक, शिक्षकवृंद
आदींनी केले आहे.
या आंतरराष्ट्रीय ऑनलाईन
परिषदेत सहभागी संशोधकांना
भावी वाटचालीस संस्थेचे
अध्यक्ष ना. राधाकृष्ण
विखे पाटील मुख्यकार्यकारी
अधिकारी खा. डॉ. सुजय
विखे पाटील यांनी शुभेच्छा
दिल्या आहेत.

गुंडेगावच्या भैरवनाथ यात्रेत रंगला जंगी कुस्त्यांचा आरवाडा