

6.5.1

- **IQAC Best Practice I :**

Activities by Cultural Committee

- **IQAC Best Practice II :**

Celebration of Diamond Jubilee Year of College

Anekant Education Society's
Jaysingpur College, Jaysingpur
Cultural Department
2023-24
Activity Report

In the academic year 2023 -24, the cultural department was inaugurated by Principal Dr.S.A.Manjare.

On Tuesday, 22nd August, 2023 traditional games were organized in the college premises on the occasion of Nagpanchami festival on behalf of the cultural department.



Nagpanchami festival

Our college has participated in District Level Youth Festival of Shivaji University, Kolhapur organised by Sadashivarao Mandalik College, Murgud on Sunday, 1st October 2023. In this youth festival our college has participated in folk dance, quiz, Marathi, Hindi, English elocution competition. Our students secured third rank in folk dance and English elocution competition at district level youth festival.



Students - Participation in Youth Festival

On Wednesday, 11th October 2023, The **Central Youth Festival**, of Shivaji University, Kolhapur was held at Dahiwadi College, Dahiwadi. Our students participated in Folk Dance, Elocution - English, Mehndi and spot painting competitions .

On Saturday, 21st October, 2023 the Dandiya program conducted in the college premises on the occasion of Dussehra.



Dandiya Program

Four students participated in the Inter College Essay and elocution Competition organized by Shree. Shahaji Chhatrapati College, Kolhapur. Mrs. Purna Bhat - B.Sc Part 2 student received the incentive award.

Various competitions were organized by the cultural department in the college for all the students of the senior college. Mr.M.G.Burse, Mrs. Amrita Patil, Mrs. Snehal Chaugule, Mrs. Swati Bastwade, Smt. Kalpana Zele were the judges for these competitions.

Rangoli competition was organized on Tuesday, 14th December, 2023. A total of 31 students participated in this competition. The results of this competition have been announced.

Mehndi competition was organized on Friday, 15th December 2023 in the conference hall. Total 30 students were participated in this competition.

On Monday, 18th December 2023 cooking competition was organized in the Department of Physics. A total 22 students were participated in this competition.

Hair style and Flower Decoration competition organized on Tuesday, 19th December 2023 in the Department of Physics. A total of 06 students participated in flower decoration competition and 13 students participated in hair style competition.

On the behalf of cultural department Makar Sankranti festival was celebrated on Monday, 15th January, 2024.

On the occasion of Shiv Jayanti, Cultural Department was organised "*Mardani Khel*" on Tuesday, 20th February, 2024.



Dr.V.V.Chougule
Head, Department of Cultural

Result of Various Competition

Rangoli competition results as follows:-

Miss. Bhavika Mahendra Jahakar - B.Sc. - III – First Price
Miss. Vidhya Shankar Koravi - B.A. - II – Second Price
Miss. Nikita G. Kavathekar - BCS. – I– Third Price
Miss. Mitali Baburao Sutar – M. Sc. – II - Third Price



Mehandi competition results as follows:-

Miss. Saheba Nisar Bargir - B.Sc. - III - First Price
Miss. Avantika Raju Lohar - BCS - I - Second Price
Miss. Namrata Ravsaheb Katarak- B.Sc - III - Third Price
Miss. Sanika Sanjay Deshmukh – M.Sc. – I - Third Price



Cooking competition results as follows:-

Miss. Avanti Arvinda Patil- B.A.II - First Price
Miss. Harshada Bhaskar Koli – BCA -I - Second Price
Miss. Arya Prabhakar Chougule - BCS – II - Third Price
Miss. Dirghayu Rajesh Fule – B.Sc. – III -



Hair Style competition results as follows:-

Miss. Purna Vinod Bhat – B.Sc - II – First Price
Miss. Shivani Balu Kamble - BCS - I – Second Price
Miss. Pranjali Aananda Kumbhar – BCS – II - Third Price
Miss. Arpita Sanjay Pethakar – B.Voc, Printing - I - Third Price



Flower Decoration competition results as follows:-

Mr.Mahendra Rajendra Mali - MA - II - First Price
Miss. Sana Afsar Galgale – M.Com - I - Second Price



Dr.V.V.Chougule
Head, Department of Cultural



Estab: 1962
A++ Accredited by NAAC (2021)
with UGM 352

SHIVAJI UNIVERSITY, KOLHAPUR

Department of Students' Development

43rd Central Youth Festival

2023 - 2024

Certificate

This is to certify that Shri./ Smt Bhat Preetana Vinod
of Gaysingpur College, Gaysingpur has
participated in Elocution - English event of
43rd Central Youth Festival organized by **Dahiwadi College Dahiwadi, Dist. Satara**
in collaboration with Department of Students' Development, Shivaji University,
Kolhapur on 11th to 13th October, 2023 and secured _____ Prize.

P. Salunkhe

Principal
Dahiwadi College, Dahiwadi
Dist. Satara

[Signature]

Director,
Students' Development

Date: 13th October, 2023





Estd: 1962
W++ Accredited by NAAC (2021)
with CGPA 3.52

SHIVAJI UNIVERSITY, KOLHAPUR
Department of Students' Development
43rd Kolhapur District Youth Festival
2023 - 2024

Certificate

This is to certify that Shri./ Smt Bhat Peema Vinod
of Jaysingpur College, Jaysingpur has
participated in Elocution - English event of 43rd Kolhapur
District Youth Festival organized by **Sadashivrao Mandlik Mahavidyalaya, Murgud** in
collaboration with **Department of Students' Development, Shivaji University,**
Kolhapur on 1st October, 2023 and secured Third prize.

Principal
Sadashivrao Mandlik Mahavidyalaya,
Murgud

Director,
Students' Development

Date: 1st October, 2023





Estd : 1962
'A++' Accredited by NAAC (2021)
with CGPA 3.52

SHIVAJI UNIVERSITY, KOLHAPUR

Department of Students' Development

43rd Central Youth Festival

2023 - 2024

Certificate

This is to certify that Shri./ Smt Yelaj Sameeruddki Anil
of Gaysingpur College, Gaysingpur has
participated in Folk / Tribal Dance event of
43rd Central Youth Festival organized by **Dahiwadi College Dahiwadi, Dist. Satara**
in collaboration with Department of Students' Development, Shivaji University,
Kolhapur on 11th to 13th October, 2023 and secured _____ Prize.

S. Alunkhe

Principal
Dahiwadi College, Dahiwadi
Dist. Satara

[Signature]

Director,
Students' Development

Date: 13th October, 2023





Estd: 1962
A++ Accredited by NAAC (2021)
with CGPA 3.52

SHIVAJI UNIVERSITY, KOLHAPUR
Department of Students' Development
43rd Kolhapur District Youth Festival
2023 - 2024

Certificate

This is to certify that Shri./ Smt Vijayrao Swaliya Zaki
of Jaysingpur College, Jaysingpur has
participated in Folk Dance event of 43rd Kolhapur
District Youth Festival organized by **Sadashivrao Mandlik Mahavidyalaya, Murgud** in
collaboration with **Department of Students' Development, Shivaji University,**
Kolhapur on 1st October, 2023 and secured Third prize.

Principal
Sadashivrao Mandlik Mahavidyalaya,
Murgud

Director,
Students' Development

Date: 1st October, 2023





Estd: 1962
'A++' Accredited by NAAC (2021)
with CGPA 3.52

SHIVAJI UNIVERSITY, KOLHAPUR
Department of Students' Development
43rd Kolhapur District Youth Festival
2023 - 2024

Certificate

This is to certify that Shri./ Smt Jadhav Sayali Tukaram
of Jaysingpur College, Jaysingpur has
participated in Folk Dance event of 43rd Kolhapur
District Youth Festival organized by **Sadashivrao Mandlik Mahavidyalaya, Murgud** in
collaboration with **Department of Students' Development, Shivaji University,**
Kolhapur on 1st October, 2023 and secured Third prize.

Principal
Sadashivrao Mandlik Mahavidyalaya,
Murgud

Director,
Students' Development

Date: 1st October, 2023





Estd : 1962
'A++' Accredited by NAAC (2021)
with CGPA 3.52

SHIVAJI UNIVERSITY, KOLHAPUR

Department of Students' Development
43rd Kolhapur District Youth Festival
2023 - 2024

Certificate

This is to certify that Shri./ Smt. Kamble Nishant Sukumar
of Jaysingpur College, Jaysingpur has
participated in Folk Dance event of 43rd Kolhapur
District Youth Festival organized by **Sadashivrao Mandlik Mahavidyalaya, Murgud** in
collaboration with **Department of Students' Development, Shivaji University,**
Kolhapur on 1st October, 2023 and secured Third prize.

Principal
Sadashivrao Mandlik Mahavidyalaya,
Murgud

Director,
Students' Development

Date: 1st October, 2023





शिवजी विद्यापीठ, कोल्हापूर
 सदाशिवराव मंडलिक मातृविद्यालय,
 मुल्गा, ज. कोल्हापूर
 युवा महोत्सव
 कोल्हापूर शिवजी

लोकसंगीत वाद्यवृंद
 लोककला
 लोकनृत्य



लोकनेते खासदार सदाशिवराव मंडलिक सांस्कृतिक मंच



SHIVAJI UNIVRESITY, KOLHAPUR
YOUTH FESTIVAL REPORT

College Name : Jaysingpur College, Jaysingpur. JAYSINGPUR ,JAYSINGPUR

1 Elocution - English

(वक्तृत्व इंग्रजी)

PARTICIPANT

1 BHAT PRERNA VINOD

2 Elocution - Hindi

(वक्तृत्व हिंदी)

PARTICIPANT

1 GOURAJE AISHWARYA SUNIL

3 Elocution - Marathi (वक्तृत्व मराठी)

PARTICIPANT

1 KAMBLE PRADNYA SACHIN

4 Folk/Tribal Dance(लोकनृत्य)

PARTICIPANT

- 1 YELAJ SAMRUDDHI ANIL
- 2 VIJAPURE SWALIYA ZAKIR
- 3 DALAVI VIDYA DILIP
- 4 JADHAV SAYLI TUKARAM
- 5 KALE SANJIVANI RAMESH
- 6 PATHARVAT SHUBHAM RAJU
- 7 KORE ANKUSH VIJAYKUMAR
- 8 KAMBLE NISHANT SUKUMAR
- 9 KAMBLE VIKAS VINOD
- 10 PATHARVAT ABHISHEK KALLOLI

ACCOMPANIST

- 1 TASOLIKAR DHANANJAY NETAJI (Professional)
 - 2 KAMBLE AMOL SUKUMAR (Professional)
 - 3 BHAT PRERNA VINOD (Professional)
 - 4 GURAV DHANANJAY SHIVAJI (Professional)
-

5 Mehandi (मेहंदी)

PARTICIPANT

1 MAGDUM SHREYA AMOL

ACCOMPANIST

1 CHINDE AMRUTA BHARAT

6 On the Spot Painting

(स्थळ चित्र)

PARTICIPANT

1 MAGDUM SHREYA AMOL

7 Quiz(प्रश्न मंजूषा)

PARTICIPANT

1 CHINDE AMRUTA BHARAT

2 KAMBLE OMKAR SANJAY

3 SAWANT VAIBHAV RAVINDRA



SHIVAJI UNIVERSITY, KOLHAPUR

Payment Gateway Receipt

Receipt No. : 143840
Receipt Date : 25-09-2023
Received From : Jaysingpur College, Jaysingpur. JAYSINGPUR
Mode of Instrument : UPI
UTR. No. : AXI3eb01eb8a88742d588335065e39586b1

Sr. No.	Particulars	Budget	Amount (Rs.)
1	Youth Festival Fee	A.48.R.2	900
Total (Rs.) :			900

RUPEES NINE HUNDRED ONLY

Receipt For : Youth Festival Fee

Individual Event Details

Sr. No.	Event Name	Fees (Rs.)
1	Mehandi (मेहंदी)	100
2	Elocution Marathi (वक्तृत्व मराठी)	100
3	On the Spot Painting (स्थळ चित्र)	100
4	Elocution English (वक्तृत्व इंग्रजी)	100
5	Elocution Hindi (वक्तृत्व हिंदी)	100
Total (Rs.)		500

Team Event Details

Sr. No.	Event Name	Fees (Rs.)
1	Quiz(प्रश्न मंजुषा)	200
2	Folk/Tribal Dance(लोकनृत्य)	200
Total (Rs.)		400

| PATRONS |

Prof. Dr. P. S. Patil

(Pro-Vice Chancellor, Shivaji University, Kolhapur)

Prof. Dr. D. T. Shirke

(Vice Chancellor, Shivaji University, Kolhapur)

Shri P. P. Patil

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Dr. S. B. Adadande

Chairman

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All members, Local Committee, Jaysingpur College, Jaysingpur

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Advisor, IQAC

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Dr. Mrs. S. G. Patil

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Anekant Education Society's

JAYSINGPUR COLLEGE, JAYSINGPUR



Affiliated to Shivaji University, Kolhapur

Reaccredited with 'A' grade by NAAC (CGPA 3.24)

DBT STAR Supported College & Research & Development Cell

Dist. Kolhapur, PIN-416101 Maharashtra

DIAMOND JUBILEE CELEBRATIONS
2023-24

One Day National Conference on
HUNDRED YEARS OF INDIA
16th March, 2024



ORGANIZED BY

Faculty of Humanities & Internal Quality Assurance Cell

On the occasion of

Diamond Jubilee of Jaysingpur College, Jaysingpur

| VENUE |

Conference Hall, Jaysingpur College Jaysingpur

Dear participants

We have immense pleasure to welcome you all for this conference on the occasion of Diamond Jubilee year Celebrations. We hope that your gracious presence and active participation will help to make this event successful.

About College

Jaysingpur College, Jaysingpur, established in the year 1964 is the pride of the city. In the year 2023-24 we are celebrating Diamond Jubilee of the college. It has four faculties : Arts, Commerce, Science and Computer Science, Community College in Food Processing and preservation and B.Voc. in Automobile and Printing and Publishing. It runs 15 graduate and 5 post graduate Departments in addition to B.C.A. and B.C.S. The College has endeavored to enrich the concept of learning and introduced various non-conventional, vocational and professional courses to incorporate skill oriented, value-added, add-on courses in the College as a parallel sub-discipline. Its premises are spread over in 25 acres with all necessary infrastructures like main building, centralized library, gymkhana, Boy's hostel, Girl's hostel, Bhirdi hall, 400 meter running track, canteen, vidhyarthi bhandar, DST-FIST research laboratory, Indoor stadium and Swimming Pool. All departments are enriched with full fledged equipments and infrastructure. Department of Physics and Chemistry are recognized as research laboratories. Recently DBT has sanctioned STAR College Status to our college.

Theme of Conference

India, also known as Bharat is the seventh largest country by area and it is the world's most populous democracy. India has been a federal republic since 1950, governed through a democratic parliamentary system with a pluralistic, multilingual and multi ethnic society. It is a megadiverse country, displaying high biological diversity with a rich agricultural land by irrigation.

Apart from its many religions and sects, India is home to innumerable castes and tribes as well as, to more than a dozen major and hundreds of minor linguistic groups.

Indian Culture is the heritage of social norms and technologies that originated in or are associated with the ethno - linguistically diverse India. In the hundred years, India has gone through drastic changes in many ways. The theme of the Conference throws light on various aspects of India in the recent hundred years.

1. शंभर वर्षातील मराठी भाषा व साहित्यातील स्थित्यंतरे
2. शंभर वर्षातील मराठी भाषा संवर्धन व विकास
3. सौ बरस का हिंदी काव्य साहित्य
4. सौ बरस का हिंदी कथा साहित्य
5. सौ बरस का हिंदी कथेत्तर साहित्य
6. शिक्षणाची बदलती संरचना - अंमलबजावणी व भविष्यातील आव्हाने
7. Modern Trends in Indian English Literature
8. Dimensions of Feminism in Indian English Literature
9. India and Diaspora Literature
10. Hundred years of Indian Tourism
11. Political Geography in Recent Hundred Years
12. Environmental Changes and Global Warming During the Century
13. Changes in Agriculture Sector in the Century
14. Transitions in Industrial and Service Sectors in the Century
15. Psycho-social Changes in Indian Society
16. Impact of Technology on Human Behavior
17. Political Psychology in Current Scenario
18. Contribution of Women to Socio-political and Cultural Movements of the Century
19. Socio-religious Movements in the Century
20. Mahatma Gandhi, Pandit Jawaharlal Nehru and Dr. B. R. Ambedkar : Thoughts and its Relevance.
21. India and International Politics.
22. Changing Nature of Party Politics in India.
23. Women Empowerment and Opportunities in Recent Scenario
24. Modern Generation and the Approach to Skill Enhancement

Paper Submission Guidelines

Full-length Papers should include an abstract (Upto 300 words) along with the author's full name, affiliated institute, mobile no. & email address.

Papers in English must be submitted in MS-Word and PDF formats, adhering to A4 size with 1.5 line spacing in Times New Roman font size 12, for Marathi & Hindi use Unicode font size 14.

* The word limit for full-length paper is 1500 to 2000 words.

All the research papers will be published online with ISBN without any extra charges after 15th April, 2024.

Submission of Abstract & Papers :

Email : nationalconferencejcg@gmail.com

Contact

Prof. Dr. T. G. Ghatage (7722036399)

Prof. Dr. Mrs. V. V. Chougule (9423860371)

Dr. R. L. Koli (9657197666)

Mr. S. V. Chougule (9011353197)

* All the papers will be accepted for presentation only. *

Call for Registration

Participants are requested to submit their abstract along with registration form online at

<https://forms.gle/wXpu3dheWiV2cRs9>

share payment details (Screen shot) with online registration form.

Submission Deadlines

Abstract submission : Up to 10th March, 2024

Registration Fee

S. No.	Types of Delegates	Registration Fee
01	Teacher	500/-
02	Research Students	300/-
03	UG / PG Students	150/-

Note : Registration fee is non refundable.

Registration fee covers conference kit, breakfast and working lunch.

Advisory Committee

- Dr. V. N. Shinde (Registrar, Shivaji University, Kolhapur)
- Dr. Rajendra Kumbhar (Ex. Principal, Jaysingpur College, Jaysingpur)
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- Prof. (Dr.) Prakash Pawar (Head, Department of Political Science, SUK)
- Dr. Avanish Patil (Head, Department of History, SUK)
- Prof. (Dr.) Smt. P. S. Patankar (Head, Department of Education, SUK)

I PATRONS I

Prof. Dr. P. S. Patil

(Pro-Vice-Chancellor, Shivaji University, Kolhapur)

Prof. Dr. D. T. Shirke

(Vice-Chancellor, Shivaji University, Kolhapur)

Shri P. P. Patil

Treasurer

Dr. M. R. Akkole

Secretary

Dr. S. B. Adadande

Chairman

Local Committee, Jaysingpur College, Jaysingpur

All members, Local Committee, Jaysingpur College, Jaysingpur

I ORGANIZING COMMITTEE I

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Chairman

Prof. Dr. M. V. Kale

Convener

Prof. Dr. B. M. Sargar

Coordinator

Dr. G. H. Nikam

Treasurer

Dr. P. P. Chikode

Organizing Secretary

Mr. R. D. Shinde

IQAC Co-coordinator

Prof. Dr. T. G. Ghatage

IQAC Coordinator

I MEMBERS I

Mr. R. D. Tasgaonkar

Dr. R. D. Mane (Head, Dept. of Physics)

Dr. S. S. Mahajan

Dr. S. R. Sabale (Coordinator, M.Sc. Chemistry)

Dr. S. R. Patil (Head, Dept. of Zoology)

Dr. J. B. Patade (Head, Dept. of Mathematics)

Dr. S. D. Umdale

Mr. P. R. Patil

Dr. R. S. Dhabbe

Mr. K. R. Kumbhar

Mr. U. K. Kharade

I LOCAL ORGANIZING COMMITTEE I

Dr. A. A. Koli

Miss. A. B. Dhandale

Mr. A. P. Mane

Mr. C. R. Chivate

Mr. A. M. Mujawar

Miss. S. A. Magdum

Miss. H. A. Chougule

Dr. V. R. Dawande

Dr. A. S. Lokhande

Dr. P. B. Karuna

Dr. J. J. Kulkarni

Dr. S. J. Mane-Gavade



Anekant Education Society's

JAYSINGPUR COLLEGE JAYSINGPUR

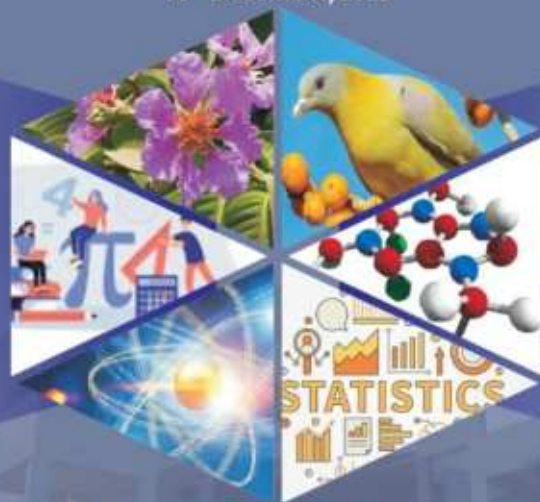
Reaccredited with 'A' grade by NAAC (CGPA 3.24)
Dist. Kolhapur, PIN-416101 Maharashtra



DIAMOND JUBILEE CELEBRATIONS 2023-24

2nd One Day National Conference on
SCIENCE AND TECHNOLOGY FOR SUSTAINABLE DEVELOPMENT

Sponsored by : Shivaji University, Kolhapur
16th December, 2023



ORGANIZED BY

Faculty of Science & Internal Quality Assurance Cell

On the occasion of
Diamond Jubilee of Jaysingpur College, Jaysingpur

I VENUE I

Conference Hall, Jaysingpur College Jaysingpur

Dear participants

It is our immense pleasure to welcome you all for this 2nd conference on the occasion of Diamond Jubilee year Celebrations 2023-24. We hope that your gracious presence and active participation will help to make this event successful to be held on 16th December, 2023.

About College

Jaysingpur College, Jaysingpur is the pride of the city established in the year 1964. In the year 2023-24 we are celebrating Diamond Jubilee of the college. It has four faculties : Arts, Commerce, Science and Computer Science, Community College in Food Processing and preservation and B.Voc. in Automobile and Printing and Publishing. It runs 15 graduates and 5 post graduate Departments in addition to B.C.A. and B.C.S. The College has endeavored to enrich the concept of learning and introduced various non-conventional, vocational and professional courses to incorporate skill oriented, value-added, add-on courses in the College as a parallel sub-discipline. Its premises are spread over in 25 acres with all necessary infrastructures like main building, centralized library, gymkhana, Boy's hostel, girl's hostel, Bhirdi hall, 400 meter running track, canteen, vidhyarthi bhandar, DST-FIST research laboratory, indoor stadium and swimming Pool. All departments enriched with full fledge equipments and infrastructure. Department of Physics and Chemistry are recognized as research laboratories for research. Recently DBT Sanctioned STAR College Status to our college.

Theme of Conference

A development in Science and technology is a leading progress on global level. Since, it is also raising issues regarding environmental degradation. Hence, sustainable development through Science and Technology is the need of today. The last century has experienced the evils of destructive science and posed the problems like global warming and environmental hazards and now it is the need of time to switch over to sustainable science and technology. Not exploitation but harvestation is key phrase of modern times therefore to think of crises of destructive science and need of sustainable science. To impart recent trends in Science and Technology for sustainable development, we are organizing this conference on the following sub themes :

1. Nanoscience and Nanotechnology
2. Synthesis of Smart Materials & Their applications
3. Space Science
4. Materials and methods for space application
5. Applied Zoology
6. Environmental pollution
7. Ecology and fishery
8. Biodiversity conservation for biological resources
9. Nature of Mathematics
10. Microbiology for sustainable development
11. Phytochemistry and Human needs
12. Biofuels
13. Data Science
14. Advanced Simulations & Modeling Techniques.
15. Agriculture for sustainable development
16. Natural products for human health
17. Sustainable utilization of medicinal plants
18. Biological pest management
19. Optics and laser technology
20. Mathematical Sciences
21. Analytical Chemistry
22. Synthetic Chemistry

Call for Abstracts

Participants are invited to submit abstract not more than 300 words on or before 10th December, 2023 in the format of A4 size, single column, MS-Word, Times New Roman, 12 font size and single spacing including title of the paper based on original research related to themes, Author name with affiliation, contact number and e-mail, Abstract, Keywords. Participants are encouraged to display the posters on the mentioned themes of the size 1x1 meter.

All the abstracts will be published in the conference booklet.

Selected Research Papers will be Published as Book Chapter in Book with ISBN by Paying additional fees of Rs. 300/-

Submission of Abstract :
Email : jjconference2023@gmail.com

Contact

Dr. B. M. Sargar (9850148808)

Dr. P. P. Chikode (9422408462)

Dr. G. H. Nikam (9921774219)

Dr. S. D. Umdale (8806323229)

* All the papers will be accepted for poster presentation only. *

Call for Registration

Participants are requested to submit their abstract along with registration form online at <https://forms.gle/4pGRz53vTLyvocEH6> Registration fee is payable through D. D. in favor of Principal, Jaysingpur College, Jaysingpur or through online/RTGS/ NEFT on the following account and share payment details (Screen shot) with online registration form.

Account Name:- Principal Jaysingpur College, Jaysingpur

Bank:- Bank of Maharashtra Branch:- Jaysingpur

Acct. No:- 60409902157

IFSC Code:- MAHB0001383

Submission Deadlines

Abstract submission : Up to 10th December, 2023

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01	Teacher	500/-
02	Research Students	300/-
03	UG / PG Students	150/-

Note : Registration fee is non refundable.

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DIAMOND JUBILEE CELEBRATIONS 2023-24

ABSTRACT BOOK

2nd National Conference on
SCIENCE AND TECHNOLOGY FOR SUSTAINABLE DEVELOPMENT

Sponsored by : Shivaji University, Kolhapur

16th December, 2023



2ND NATIONAL CONFERENCE ON SCIENCE AND TECHNOLOGY FOR SUSTAINABLE DEVELOPMENT

Sponsored by : Shivaji University, Kolhapur

16th December, 2023

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2ND NATIONAL CONFERENCE ON SCIENCE AND TECHNOLOGY FOR SUSTAINABLE DEVELOPMENT

16th December, 2023

Dr. SUBHASH ADADANDE

CHAIRMAN,

Local Committee, Jaysingpur College



MESSAGE

I take this opportunity at the opening of the proceeding of National Conference 2023 to thank and express my gratitude towards those who have made this Conference successful. It gives me great pleasure to send you very good wishes for the organizers and participants of this Conference.

It is very appreciable that the research work of students, research scholars, eminent scientists who have earnestly participated in the Conference, is being published in this proceeding.

Educational institutions have a great responsibility to encourage new research ideas for sustainable development of the society as well as the environment.

Again I express my deep gratitude towards all those participating in this Conference and making this Conference an everlasting memorable event for the days to come.

With best wishes,

2ND NATIONAL CONFERENCE ON SCIENCE AND TECHNOLOGY FOR SUSTAINABLE DEVELOPMENT

16th December, 2023

Dr. SURAT MANJARE

PRINCIPAL

Jaysingpur College, Jaysingpur



MESSAGE

Dear Participants,

It is with great pleasure that I welcome you to the 2nd National Conference on Science and Technology for Sustainable Development, organized by Jaysingpur College Jaysingpur on the occasion of our Diamond Jubilee Year Celebration. This conference is a testament to our commitment to fostering a culture of innovation and sustainability in the field of science and technology.

As we gather here, we are joined by college students, research scholars, and teachers from various institutions, all of whom share a common goal of advancing knowledge and promoting sustainable development. This diverse gathering of minds and expertise promises to be a rich and fruitful exchange of ideas, research findings, and best practices.

The theme of this conference, "Science and Technology for Sustainable Development," is particularly relevant in today's world, where the need for environmental friendly and socially responsible solutions has never been greater. Through our discussions and presentations, we hope to explore ways in which science and technology can be harnessed to address the pressing challenges facing our planet and society.

I encourage all participants to actively engage in the various sessions, workshops, and panel discussions, and to take advantage of this opportunity to network and collaborate with peers and experts in the field. I am confident that the knowledge and insights gained from this conference will not only benefit our individual institutions but also contribute to the larger goal of sustainable development.

I extend my heartfelt thanks to all the participants, speakers, sponsors, and organizers who have made this conference possible. I hope that this event will serve as a catalyst for future collaborations and initiatives that will further the cause of science and technology for sustainable development.

I wish you all a productive and enriching experience at the conference.

Best regards,

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P-20: On Existence and Stability Results for Mixed Caputo Fractional Integro-Differential Equation.

Shivaji R. Tate

Department of Mathematics, Kisan Veer Mahavidyalaya, Wai, Maharashtra, 412803, India

*Corresponding Author: tateshivaji@gmail.com

Abstract.

In this article, we study some existence and uniqueness results for a class of boundary value problem for nonlinear mixed fractional integro-differential equations with positive constant coefficient involving the Caputo fractional derivative. The results heavily depend on the Banach contraction principle and Schaefer's fixed point theorem. Also with the help of integral inequality of mixed type, we investigate the Ulam-Hyers type stability corresponding to our problem. Finally, illustrative examples are given to demonstrate our results. **2010 Mathematics Subject Classification.** 26A33; 45J05; 34K10; 45M10.

Key words. Fractional mixed integro-differential equation, Boundary value conditions, Caputo's fractional derivative, fixed point, integral inequality, Stability.

P-21: On Prime Ideal of A Partially Ordered Ternary Semigroup

Machchindra T. Gophane¹, Dattatray N. Shinde²

Department of Mathematics, Shivaji University, Kolhapur

Corresponding Author: 1mtg_maths@unishivaji.ac.in and 2shindednmaths@gmail.com

Abstract

In this paper, the structure space of partially ordered ternary semigroups formed by the set of prime ideals is introduced. We investigate the various properties of the structure space of partially ordered ternary semigroups. We also studied interesting properties such as compactness, connectedness and separation axioms of this structure space and prove that the space of prime full ideals of a partially ordered ternary semigroup is compact. **2020 Mathematics Subject Classification:** 06F99, 20M12, 20N99.

Keywords: Partially ordered ternary semigroup, Prime ideal; Hull-kernel topology; Compact space.

P-22: Fuzzy Multi-Objective Vendor Selection Problem of Supply Chain Management

Prakash R. Chavan

Department of Statistics, Smt. Kasturba Walchand College, Sangli,

*Corresponding Author : prchavan83@gmail.com

Abstract

Today's competitive business environment depends mainly on its supply chain. An adequate supply chain gives a competitive edge to a company. Sourcing, which is the initial stage of a supply chain, can be made efficient by making an appropriate selection of vendors. Appropriate vendor selection results not only in reduced purchasing costs, decreased production lead time, increased customer satisfaction but also in improved corporate competitiveness. In general, the vendor selection problem is a multi-objective decision-making problem that involves some quantitative and qualitative factors. So, we have considered a multi-objective vendor selection problem (MOVSP) with three

multiple objective goals: minimization of net ordering price, minimization of rejected units and minimization of late delivered units. In most of the cases, information about the price of a unit, percentage of rejected units, percentage of late delivered units, vendor rating value and vendor quota flexibility may not be known precisely due to some reasons. In this paper, imprecision in input information is handled by the concept of a simulation technique, where the parameter follows the uniform distribution. Deterministic, stochastic, α -cut and ranking function approaches are used to get the crisp value of the simulated data sets. The four different algorithms, namely—fuzzy programming, goal programming, lexicographic goal programming and D1-distance algorithm, have been used for solving the MOVSP. In last, three different types of simulated data sets have been used to illustrate the work.

Key Wards-Vendor selection problem, Trapezoidal fuzzy number, α -Cut and ranking function · Fuzzy programming, Goal programming, Lexicographic goal programming.

P-23: Subset Selection in Regression Based on the Linearized Ridge M-Estimator

N. H. Jadhav^{*a}, D. N. Kashid^b

^aDeshbhakta Ratnappa Kumbhar College of Commerce, Kolhapur

^bDepartment of Statistics, Shivaji University, Kolhapur

*Corresponding author: n.nil08@gmail.com

Abstract

Subset selection problem is one of the important problems in regression analysis. Various subset selection methods available in the literature are based on the Ordinary Least Squares Estimator. But, the performance of these methods is not reasonably well when the problem of outlier or multicollinearity present in the data. Very few subset selection methods account the simultaneous occurrence of outlier and multicollinearity in the data.

In this article, a subset selection criterion based on the Linearized Ridge M-Estimator is proposed. The equivalence of the proposed criterion with some of the existing criteria is established. Numerical examples are presented to evaluate the performance of the proposed estimator. Also, a simulation study is carried out to assess the model selection ability of the proposed criterion.

Keywords and Phrases Subset Selection, Outlier, Multicollinearity, Linearized Ridge M-Estimator.

L-1: Bio Medicinal Applications of Solanumincanum (Lin.) to Treat Decay of Teeth in Children, Its Indigenous Medicinal Values and Scope in Phytochemical Properties

* ¹Dhainje P.M., ²Hegade A.M., ³Randive S.N., ⁴Satpute S.M., ⁵Chavan C.D.

*Corresponding Author: prakashdhainje@gmail.com

Abstract:

Present matter in this article deals with applications, observations and conclusions based on experiments was carried out during 2018-2019. Practices, Experiment, methods of decoction preparation and every minute outcomes were noted during studies. Matter in this paper is emphasizing on the medicinal importance of *Solanumincanum* L. (family Solanaceae) along with its scope for further chemical investigations. Especially decoction was made from fruits of *Solanumincanum* L. to treat decay of teeth in children due to various reasons and its positive results by means of some relief from pains (Toothache) and recovery dramatically.

Furthermore it underlines our indigenous knowledge to treat various health problems using Botanical plants /Medicinal plants (Biological materials) as an impressive remedies.

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Diamond Jubilee Celebration 2023-24



**2nd One Day National Conference on
Science and Technology for Sustainable Development
16.12.2023**

Date: 16.12.2023

Jaysingpur College, Jaysingpur organized, **2nd National Conference on Science and Technology for Sustainable Development** on 16.12.2023 at Library hall, Jaysingpur College, Jaysingpur on the occasion of **Diamond Jubilee year celebrations 2023**. This conference was sponsored by Shivaji University, Kolhapur.

The conference is inaugurated in presence of Ex Vice Chancellor Prof. M. M. Salunkhe, Dr. M. R. Akkole (Secretary, Local Committee, Jaysingpur College, Jaysingpur), Shri Appasaheb Bhagate, Adv. Narade Shri. Shirguppe Sir and Dr. S. A. Manjare (Principal). Prof. M. M. Salunkhe is chief guest for inaugural function. Prof. M. V. Kale discussed the objectives of the conference. Principal S. A. Manjare welcomes the chief guest and all the participants. Prof. B. M. Sargar introduced the chief guest. Function is inaugurated by lightning of lamps by all the dignitaries. Abstract book of conference and science bulletin were published in the conference. Prof. M. m. Salunkhe enlighten the theme of conference and its relevance with day to day life. Dr. G. H. Nikam proposed the vote of thanks. From various institutes, universities and colleges in India around 450 faculty, researchers and students register for conference and actively participated. Around 110 abstracts of research papers from various subjects were received for presentation in conference.

Key Note Address:

Key Note address of conference was delivered by Ex Vice Chancellor Prof. M. M. Salunkhe on Science and Technology for Sustainable Development. In address he discussed the new scenario regarding the Science and Technology for Sustainable Development. He discussed the principles of Sustainable Development. He also discussed chemistry for sustainable development. All the participants are actively participated in discussion after key note address,

Session 1: Dr. Prasad Lokhande

Resource person for first session was Dr. Prasad Lokhande from Post-Doctoral Fellow, UTEM, and SANTIAGO Chile. Dr. S. S. Mahajan introduced and felicitated resource person. This session is devoted to physical chemical and Material Science. Dr. Lokhande discussed regarding applications of materials in energy storage devices. He discussed future of energy storage devices. He presented research on hydrogen fuel cells, specapacitors and energy storage devices. Young researchers shown lot of interest in session and interacted with speaker. The session is interactive and fruitful. Dr. R. S. Dhabbe Proposed vote of thanks.

Session 2: Poster Presentation

The session second was organised for poster presentation. Poster presentation was inaugurated by Prof. R. V. Gurav and Dr. Prasad Lokhande. For the poster presentation around 105 posters were presented in conference. Posters were evaluated by experts and according content, presentation rankings were allotted. Prizes for poster were distributed in valedictory function. All the delegates were actively participated and interacted with all the presenters of poster.

Session 3: Prof. R. V. Gurav

Prof. Dr. R. V. Gurav (Head, Department of Botany, Shivaji University, Kolhapur) was the resource person for post lunch session. Dr. P. P. Chikode introduced and welcomes the resource person. Prof. R. V. Gurav discussed biodiversity in India and its financial aspects. He discussed plants as earning source. Dr. M. V. Kale proposed the vote of thanks. All the participants are actively participated in discussion.

Valedictory Function:

Valedictory function is arranged in presence of Principal R. R. Kumbhar (Vivekanand College, Kolhapur). Dr. P. P. Chikode reviewed conference. Dr. S. A. Manjare discussed the outcomes of the conference. Dr. R. R. Kumbhar discussed the use of mathematics and statistics in the sustainable development. He discussed the use of mathematics in environmental issues. Dr. T. G. Ghatage (Coordinator, IQAC) proposed the vote of thanks.

Prof. M. V. Kale
Convenor

