

**ISCA, Amravati Chapter
Sponsored
One Day National Multidisciplinary e-Conference
On
“Research in Science and Technology for Sustainable Development”
Date:-23rd March 2021**

Conference Brochure

Rajarshee Shahu Science College Chandur Railway, Dist. Amravati (MS)

About Institute

Atul Vidya Mandir was established in 1991 in the memory of Late Atul V. Jagtap. This education society was registered by every almost efforts of late President Prof. Annasaheb alias Walmikrao Jagtap and with cooperation of well-wishers. The deficiency of science education for the students of Talash place like Chandur Rly and nearby villages is accomplished with the establishment of Rajarshee Shahu Science College by the efforts of management of this education society. College is affiliated to Saint Gadge Baba Amravati University, Amravati. It is the only 100% Grant in aid Science College in the talash Chandur Rly. The College is running Bachelor of Science program. The college has shown quantum jump in all dimensions like academics, co-curricular activities, infrastructure, conducive teaching-learning atmosphere, administrative along with lush green campus and committed to grow better and better in future. The college is accredited with B+ grade by NAAC, Bangalore.

About ISCA Amravati

The Indian Science Congress Association (ISCA), the premier organization of scientist of the country, has been working towards the advancement and promotion of the cause of science in India. The Amravati Chapter was launched in the year 2008-09. The Chapter also undertakes a series of programmes of various occasions to inculcate scientific temper and generate scientific awareness among students as well as people in general.

About Conference

We have not inherited the world from our forefathers - we have borrowed it from our children. Global sustainable development has become the pressing need of the hour. The last decade has witnessed the emergence of an array of increasingly vibrant movements to harness science and technology in the quest for a transition toward sustainability. Researchers provides with insight into how different processes of knowledge are initiated and progressed, and how innovative technological processes are developed, employed and increase the importance of being sustainable.

Due to global health pandemic situation, we have organized an e-conference. This is a multidisciplinary conference which would be the convention of researchers from various fields of science like Chemical, Biological, Physical, Mathematical, Zoological, Library, Information Technology etc. to share their valuable contribution leading to the sustainable development. This convention would definitely provide a platform for discussion on the contribution, opportunities, and challenges in different research areas.

Office Bearers ISCA Indian Science Congress Association, Amravati Chapter

Dr. Atul K. Bodkhe
Amravati Chapter, Convener, ISCA

Dr. Omraj S. Deshmukh
Treasurer, Amravati Chapter, ISCA

Dr. V. R. Deshmukh
Executive Committee Member,
Amravati Chapter, ISCA

Dr. Mahesh P. Chikhale
Executive Committee Member,
Amravati Chapter, ISCA

Dr. Sawan M. Deshmukh
Executive Committee Member,
Amravati Chapter, ISCA

Organizing Committee

Chief Organizer
Dr. S. S. Thakare
Principal
RSSC, Chandur Railway

Convener
Dr. R. V. Kene
Head, Department of Mathematics
Mob.-8080949725

Organizer Secretary
Dr. M. P. Chikhale
Head, Department of Zoology
Mob.-9021876004

Co-Convener
Dr. A. P. Thakare
Assistant Professor of Chemistry
Mob.-9665745488

Dr. S. P. Patharkar
Assistant Professor of Botany
Mob.-9096682957

Dr. R. N. Bhagat
Assistant Professor of Physics
Mob.-9359701672

Coordinators

Dr. M. J. Keche (IQAC Coordinator)
Mr. S. A. Wani (NAAC Coordinator)
Dr. A. P. Pachkawade | Mr. A. N. Khan
Dr. A. D. Bansod | Dr. S. S. Padhen
Dr. G. B. Santape | Mr. M. P. Waghmare
Mr. P. R. Sardar | Ms. M. S. Palaspagar
Ms. R. R. Pali | Ms. A. V. Tupar

ISCA Sponsored One Day National Multi disciplinary E-Conference on RESEARCH IN SCIENCE & TECHNOLOGY FOR SUSTAINABLE DEVELOPMENT 23rd March 2021 - 10.00 am ONLINE

Organized by
Atul Vidya Mandir, Wardha's
Rajarshee Shahu Science College
Chandur Railway, Dist. Amravati (MS)
Accredited by NAAC - B+ Grade (CGPA 2.51)

In Association with
Department of Zoology
J.D. Patil Sangludkar Mahavidyalaya, Daryapur
IQAC, Bharatiya Mahavidyalaya, Morshi
Department of Botany,
Mahatma Fule Arts, Commerce
& Sitaraji Choudhari Science Mahavidyalaya, Warud

Sponsored by
Indian Science Congress Association
Amravati Chapter

Sub Themes

1) Agriculture and Climate change, 2) Biodiversity and Conservation, 3) Biotechnology for Sustainable Development, 4) Latest Advancements and Novel Approaches in Chemical Sciences, 5) Pure and Applied Mathematics, 6) Material Science, 7) LIS Education, Research and Training, 8) Technology Enabled Library Services, 9) Electronics Engineering.

Call for Research Papers

- No Registration Fee
- Paper Publication Fees for Single Author Rs. 400 + Rs. 100 for per additional author.
- Articles should be in MS-WORD-File -2007, A-4-Size, Medium-English-Times New Roman, Font size-12.
- Research papers must be within 2000 words. It should be sent by email on or before 21st March 2021 upto 5.00 pm with relevant details to
(Email: rstsd2021@gmail.com)
- Participants should submit their prerecorded video of oral/poster presentation of your paper on or before 21st March 2021 to
(Email: rstsd2021.poster.video@gmail.com)
- Received papers after review will be submitted for publication in research journal after 10th April 2021.
- Screenshots/Receipt of Fees should be send on email.
- The research papers will be published in B-Aadhar Peer Reviewed & Referred Multidisciplinary International Indexed Research Journal, ISSN & RNI with Impact Factor 7.675.

Bank Details

Saving Account :- 60070558158
IFSC Code :- MAHB0001002
Account :- Rajarshee Shahu Vidyayan Mahavidyalaya
Chandur Railway

Eligibility

Faculty members, Research Scholars, PG students, etc. are eligible to participate. e-Certificate will be issued on the registered email within ten days only after submission of Feedback form.

Registration Link

Please use below given Google Form Link for Registration as Participants or as Author.
<https://forms.gle/BXGACes9kgcDuzj9A>

YouTube Live Link

<https://youtu.be/nejcHYbWP1A>

Conference Schedule

Session-I
10:00 am All Speakers, Management & College staff will join meeting.
10:15 am Participants will be allowed for joining the meeting.
10:30 am Speech by Dr. R. V. Kene, Convener
10:40 am About ISCA by Dr. Atul K. Bodkhe, Amravati Chapter
10:50 am Speech of Chief Organizer by Dr. S. S. Thakare, Principal
11:00 am Inaugural Speech by Dr. V. R. Deshmukh, Sr. Professor & Scientist
11:40 am Speech by Mr. Parikshit V. Jagtap, Hon. Treasurer
12:00 pm Vote of Thanks

Session-II
12:15 pm Key note Address by Dr. C. A. Vasuki,
12:45 pm Invited Talk by Dr. Neha Sharma
1:30 pm Invited Talk by Shri. Abhay S. D. Rajput

ISCA - NAAC

ISCA National Advisory Committee
Dr. Ashok Kumar Saxena
Former, General President,
Indian Science Congress Association Kolkata
Prof. K. S. Rangappa
Immediate Past General President,
Indian Science Congress Association Kolkata
Prof. Arvind Kumar Saxena
President Elect,
Indian Science Congress Association Kolkata
Dr. S. Ramakrishna
General Secretary (Membership Affairs)
Indian Science Congress Association Kolkata
Dr. Anoop Kr. Jain
General Secretary (Scientific Activities)
Indian Science Congress Association Kolkata
Dr. Sheo Satya Prakash
Treasurer,
Indian Science Congress Association Kolkata

Our Inspiration

Late Prof. Annasaheb alias Walmikrao Jagtap
Founder President
Atul Vidya Mandir, Wardha

Our Patrons

Dr. (Mrs.) Vijay Laxmi Saxena
General President,
Indian Science Congress Association, Kolkata

Prof. Uttaraaj Jagtap
Hon. President
Atul Vidya Mandir

Prof. Virendra Jagtap
Hon. Secretary
Atul Vidya Mandir

Mr. Parikshit Jagtap
Hon. Treasurer
Atul Vidya Mandir

Dr. S. S. Thakare
Principal
Rajarshee Shahu Science College

Chief Guest

Dr. V. P. Uniyal
Sr. Professor & Scientist-G
Member, The Royal Entomological Society, London
Head, Landscape Level Planning and Management
Wildlife Institute of India
Chandrabani, Dehradun, Uttarakhand - 248001, India

Speakers

Key Note Address
Dr. C. A. Vasuki,
Secretary & Director,
Kongunadu Arts &
Science College (Autonomous),
Coimbatore
Convener, ISCA, Coimbatore Chapter
Council Member, ISCA Kolkata

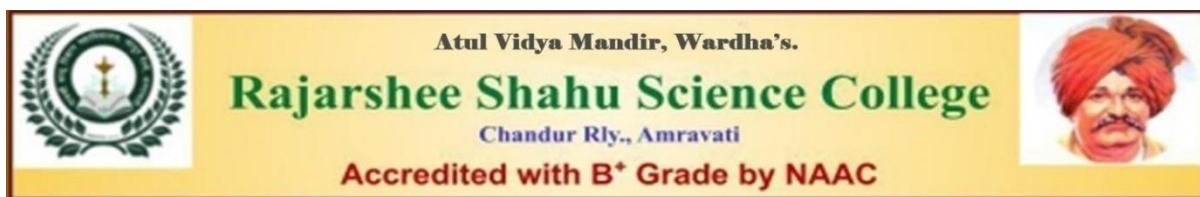
Invited Speaker
Dr. Neha Sharma
Professor and Dean Microbiology
Maharshi Markandeshwar University
Solun, (Himachal Pradesh) India

Shri. Abhay S. D. Rajput
Scientist - D,
Indian Institute of
Tropical Meteorology,
Pune

Important Dates

Last Date for registration:
21st March 2021

Note:- Conference will be conducted through 'Zoom App'. Meeting ID and password will be shared a day before on Telegram Group.
<https://t.me/joinchat/WgYrOF8NRfjyMjY1>



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“Research in Science and Technology for Sustainable Development”
E-Conference Schedule

10:00 am to 10:25 am	Joining to the online platform	
10:25 am	Inaugural Function Host <div style="display: flex; justify-content: space-between;"> <div style="text-align: center;"> Dr. Roshani Bhagat <i>Co- convener, RSTSD - 2021</i> <i>Assist. Prof. Department of Physics.</i> </div> <div style="text-align: center;"> Dr. Sampada Patharkar <i>Co- convener, RSTSD -2021</i> <i>Assist. Prof. Department of Botany</i> </div> </div>	
10:30 am to 10:35 am	Introductory Speech	Dr.R.V.Kene <i>Convener of RSTSD – 2021</i> <i>Head , Department of Mathematics</i>
10:40am to 10:50 am	Introduction of Indian Science Congress	Dr. Atul K.Bodkhe <i>Amravati Chapter Convener, ISCA</i> <i>Associate Professor, Dept. of Zoo.</i> <i>JDPS Mahavidyalaya, Daryapur</i>
10:55 am to 11:05 am	Welcome Speech	Dr. S. S. Thakare <i>Chief Organizer, RSTSD - 2021</i> <i>Principal, RSSC, Chandur Railway</i>
11:10 am to 11:40 am	Inaugural Speech	Dr. V. P. Uniyal <i>Chief guest, RSTSD -2021</i> <i>Sr. Professor & Scientist-G</i> <i>Member, The Royal Entomological Society, London</i> <i>Head, Landscape Level Planning and Management</i> <i>Wildlife Institute of India</i> <i>Chandrabani, Dehradun</i> <i>Uttarakhand – 248001, India</i>
11:45am to 11:55am	Presidential Address	Mr. Parikshit V. Jagtap <i>President, RSTSD -2021</i> <i>Hon. Treasurer, AtulVidya Mandir</i>

12:00 Noon to 12:10 pm	Vote of Thanks	Dr. Sampada Patharkar <i>Co- convener, RSTSD -2021</i> <i>Asst. Prof. Department of Botany</i>
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Technical Session: I

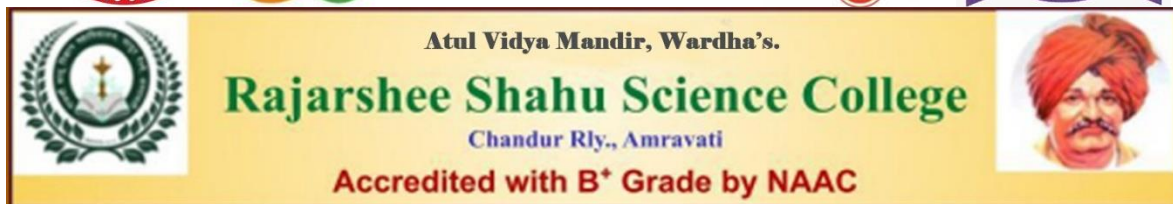
12:10 pm to 12:40 pm	Key Note Address	Dr. S. Paulsamy <i>Associate Professor and Head</i> <i>PG and Research Department of Botany</i> <i>Dean, Academic and R&D</i> <i>Kongunadu Arts and Science College</i> <i>Coimbatore-641029</i>
12:45 pm to 1:30 pm	Invited Talk	Dr. P.R.Bhagat <i>Professor of Chemistry,</i> <i>School of Advanced Sciences,</i> <i>Vellore Institute of Technology (VIT)</i> <i>Vellore.</i>
1:35 pm to 2:20 pm	Invited Talk	Shri. Abhay S.D. Rajput <i>Scientist - D, Indian Institute of</i> <i>Tropical Meteorology, Pune</i>

Technical Session: II

2.25 pm onwards	Live Online Oral Paper presentation
3.00 pm	Valedictory Function
Vote of Thanks by Dr. Amol P. Thakare <i>Co- convener, RSTSD -2021</i> <i>Assist. Prof. Department of Chemistry</i>	

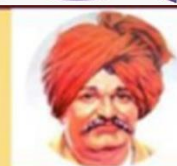


विज्ञान एवं प्रौद्योगिकी विभाग
DEPARTMENT OF
SCIENCE & TECHNOLOGY



Atul Vidya Mandir, Wardha's.

Rajarshee Shahu Science College
Chandur Rly., Amravati
Accredited with B⁺ Grade by NAAC



ISCA, Amravati Chapter

Sponsored

One Day National Multidisciplinary e-Conference

On

“Research in Science and Technology for Sustainable Development”

Date:-23rd March 2021

e-Conference Summary Report

Conference Organizers

- **Main Organizer-** Rajarshee Shahu Science College, Chandur Rly.
- **Sponsors-** Indian Science Congress.
- **Collaborative Colleges-**
Department of Zoology, J.D.Patil Sangludkar Mahavidyalaya, Daryapur, IQAC,
Bharatiya Mahavidyalaya Morshi.
Department of Botany, Mahatma Fule Arts, Commerce & Sitaramji Choudhary
Science Mahavidyalaya, Warud.

Funding Support

- **Indian Science Congress**

Venue

- **Zoom App.**
Zoom meeting.
Time: Mar 23, 2021 - 10:00 AM
Zoom Meeting Link
<https://us02web.zoom.us/j/88365057974?pwd=TVVLQVpZQ0xDU0QvSm5jN1ErRm5Fdz09>
OR
Meeting ID: 883 6505 7974
Passcode: 230321

About e-Conference

“We have not inherited the world from our fore fathers - we have borrowed it from our children.” Global sustainable development has become the pressing need of the hour. The last decade has witnessed the emergence of an array of increasingly vibrant movements to harness science and technology in the quest for a transition toward sustainability. Researchers provides with insight into how different processes of knowledge are initiated and progressed, and how innovative technological processes are developed, employed and increase the importance of being sustainable. Due to global health pandemic situation, we have organized an e-conference. This is a multidisciplinary e-conference which would be the convention of researchers from various fields of science like Chemical, Biological, Physical, Mathematical, Zoological, Library, Information Technology etc. to share their valuable contribution leading to the sustainable development. This convention would definitely provide a platform for discussion on the contribution, opportunities, and challenges in different research areas.

Near about 100 attendees, paper presenters, keynote and tutorial participants, students have benefited in many ways from this conference. More than 20 scientific papers were presented by authors from different states. Four Invited Keynote and Tutorial Speakers from different states addressed to audience and shared their knowledge.

Registrations

Registration for the conference was open to students, academicians and research scholars. However, the nature of the conference meant that it was unsuitable for the event to be advertised or open to registration by the general public. Instead, invitations were sent through link to contacts in relevant fields, who were also asked to promote the event to other potentially interested parties within their organisation. We had invited participants through registration link: <https://forms.gle/BXGACes9kgcDuzJ9A>
More than 315 participants were registered for this conference.
Students or emerging scholars were invited to attend this conference through you tube link: <https://youtu.be/nejcHYbWP1A>

CONFERENCE SCOPE

RSTSD-2021 topics include, but are not limited to, the following research and development areas/fields

1. Agriculture and Climate change,
2. Biodiversity and Conservation,
3. Biotechnology For Sustainable Development in plants,
4. Latest Advancements and Novel Approaches in Chemical Sciences,
5. Pure and Applied Mathematics,
6. Material Science,
7. LIS Education, Research and Training,
8. Technology Enabled Library Services,
9. Electronics Engineering,
10. Soft Computing

WELCOMING AND OPENING CEREMONY

We had arranged this conference in III session, First Inaugural function, second and third technical session. The inaugural ceremony started at 10.30 am. The Panel of Dignitaries that consisted of the Chief Guest- Dr. V. P. Uniyal. President of this Inaugural program-Mr. Parikshit V. Jagtap, Treasurer, Atul Vidya Mandir, Wardha, Chief Organizer – our college principal Dr. S. S. Thakare. Dr. A. K. Bodkhe-Convener, ISCA, Amravati Chapter, Convener-Dr. R. V. Kene, Organizing Secretary-Dr. Mahesh P. Chikhale Co-Convener-Dr. S. P. Patharkar, Dr. R. N. Bhagat, Dr. A. P. Thakare, Ms. M. S. Palaspagar performed the inaugural Ceremony.

The program began with convener Dr. R. V. Kene's speech. Dr. A. K. Bodkhe introduced ISCA and Chief Organizer Dr. S. S. Thakare welcomed the guests in his speech. Introduction of our Chief inaugurator Dr. V. P. Uniyal was given by Dr. S. P. Patharkar and Dr. Atul K. Bodkhe was introduced by Dr. R. N. Bhagat. Dr. V. P. Uniyal, Sr. Professor & Scientist-G Member, The Royal Entomological Society, London Head, Landscape Level Planning and Management Wildlife Institute of India, Chandrabani, Dehradun, Uttarakhand – 248001, India was the esteemed Guest of Honour and the inaugurator for the event. In his speech, he focused on Bioindicator Monitoring Ecosystem and also shared his knowledge about extreme distribution of insects in the world. The inaugural program was hosted by Dr. S. P. Patharkar and vote of thanks was also proposed by Dr. S. P. Patharkar.

KEYNOTE and GUEST SPEECHES

The first technical session was started at near about 12 pm. This technical session was hosted by Dr. R. N. Bhagat and she also introduced our keynote speaker Dr. S. Paulsamy. Associate professor and Head PG and Research Department of Botany, Dean Academic and R&D, Kongunadu Arts and Science College, Coimbatore. Dr. S. Paulsamy delivered his lecture on topic **“judicious utilization and management of natural resources for sustainable development”**. The next guest speaker was Dr. P. R. Bhagat. Professor [Higher Academic Grade], Department of Chemistry, School of Advanced Science, Vellore Institute of Technology, Vellore, Tamil Nadu. The introduction of our guest speaker Dr. P. R. Bhagat was given by Ms. Mamta S. Palaspagar. Our guest speaker was emphasized on **“Role of Researchers for Sustainable Development”**.

Shri. Abhay S. D. Rajput, Scientist - D, Indian *Institute of Tropical Meteorology, Pune* is another one of our guest speaker. He has authored 'Handbook of Science Journalism'. The topic for his talk was **“Toward integrating science communication training in STEM education”**.

CONCURRENT TECHNICAL SESSIONS

Near about 150 attendees, approximately 25 paper presenters, keynote and tutorial participants, students have benefited in many ways from this conference. More than 20 scientific papers were presented by authors from different states in this IIIrd Technical Session that were held online at near about 2 pm. This technical session was chaired by **Dr. Madhukar G. Dhonde**, Professor & Head, Department of Chemistry, Shri Mathuradas

Mohota College of Science, Nagpur, **Dr.Sanjay Devade**, Associate Professor, Department of Physics, Khandelwal College, Akola, **Dr. Sujata B. Tadam**, H.O.D. & Assistant Professor, Dept. of Mathematics, Shri R.L.T. College of Science, Akola and Dr. Nitin Dongarwar, Associate Prof., Department of Botany, RTM, Nagpur University. In this technical session award of best paper presentation has been given to two presentations from each stream. All accepted papers had been categorized under the following sessions

1. Agriculture and Climate change,
2. Biodiversity and Conservation,
3. Biotechnology For Sustainable Development in plants,
4. Latest Advancements and Novel Approaches in Chemical Sciences,
5. Pure and Applied Mathematics,
6. Material Science,
7. LIS Education, Research and Training,
8. Technology Enabled Library Services,
9. Electronics Engineering,
10. Soft Computing

We had also invited papers for e-publication in Aadhar Journal in this e-conference. Details about call for papers ,Aadhar journal and publication fees were as given below-

- 1] No Registration Fee
- 2] Paper Publication Fees for Single Author Rs. 400 + Rs.100 for per additional author.
- 3] Articles should be in MS-WORD-File -2007,A-4-Size , Medium-English- Times New Roman,Font size-12.
- 4] Research papers must be within 2000 words. It should be send by mail on or before 21st March 2021 upto 5.00 pm with relevant details to rtsd2021@gmail.com .
- 5] Participants should submit their prerecorded video of oral/poster presentation of your paper on or before 21st March 2021 to
- 6] Received papers after review will be submitted for publication in research journal after 10th April 2021.
- 7] Screenshot / Receipt of Fees should be send on email.
- 8] The research papers will be published in B.-Aadhar Peer Reviewed & Referred Multidisciplinary International Indexed Research Journal, ISSN & RNI with Impact Factor 7.675.

From within different regions nearly 52 papers were got for publication in the Conference's Research Journal from that about 49 papers were accepted for publication in Aadhar Journal.

CLOSING CEREMONY

RSTSD-2021 Closing Ceremony was held online at about 4.30 p.m. Closing words by Chief-organizer of RSTSD-2021 Dr.S.S.Thakare- Ladies and gentlemen, This One Day National Multidisciplinary e-Conference on "Research in Science and Technology for Sustainable Development" is now drawing to a close. I would like to take this opportunity to extend our sincere gratitude and appreciation to all of you, for your invaluable contributions in making this event a great success. We

hope this e-conference has been fruitful and that you will be able to make the most from the sessions you attended. Through our invited keynote speeches, presentations and discussions, we have been presented with new ways to deal with some of the challenges in Research in Science and Technology for Sustainable Development . We hope that you shared your experiences and expertise with other participants from near and far, and that a cordial relationship established among us during this RSTSD-2021 Conference will further strengthen.....

But, of course, the real measure of this conference success lies in how it will affect you - our participants, or more precisely, how it will affect the actions you will take. We look forward to further building partnerships with you and your organizations.

Thank you for being here in this e-conference.

Recording link of conference: <https://youtu.be/nejcHYbWP1A>

Organizing Committee

Chief- Organizer

Dr. S. S.Thakare

Principal
RSSC, Chandur,Railway

Convener

Dr. R.V. Kene

Head,DepartmentofMathematics

Organizing Secretary

Dr. M. P. Chikhale

Head, Department of Zoology

Co-Convener

Dr. A. P. Thakare

AssistantProfessorof Chemistry

Dr. S. P. Patharkar

Assistant Professor of Botany

Dr. R. N.Bhagat

Assistant Professor of Physics

Co-ordinators

Dr.M.J. Keche (IQAC Coordinator) Mr.S.A.Wani (NAAC Coordinator)

Dr.A. PPachkawade | Mr.A. N. Khan | Dr.G. B. Santape | Dr.A. D.Bansod

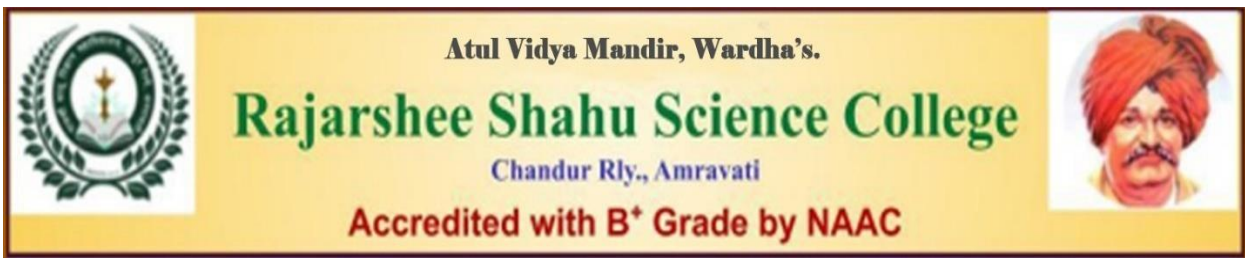
| Dr.S. S. Padhen | Mr.M.P.Waghmare Mr.P.R.Sardar | Ms.M.S.Palasagar

Ms. R. R. Pali | Ms.A.V.Tupat

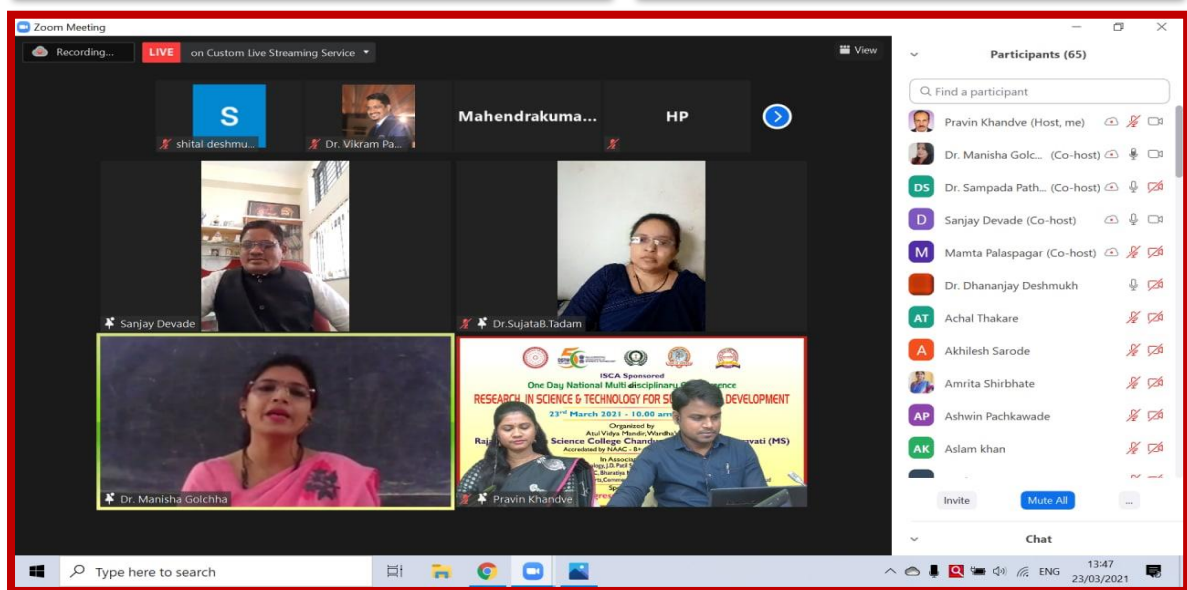
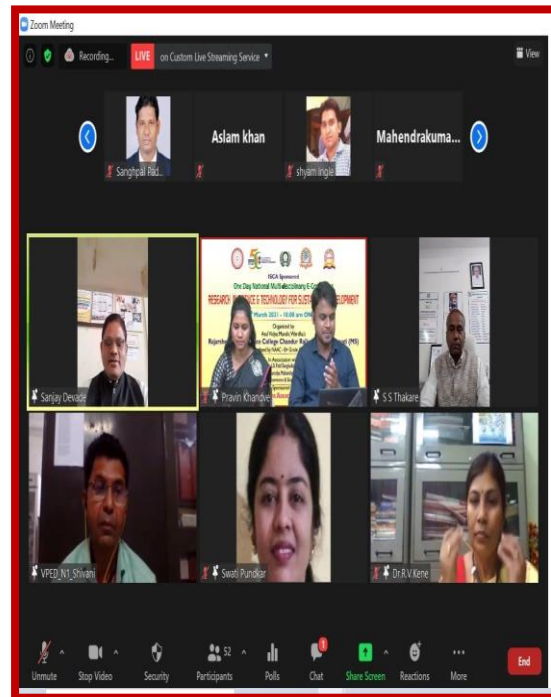
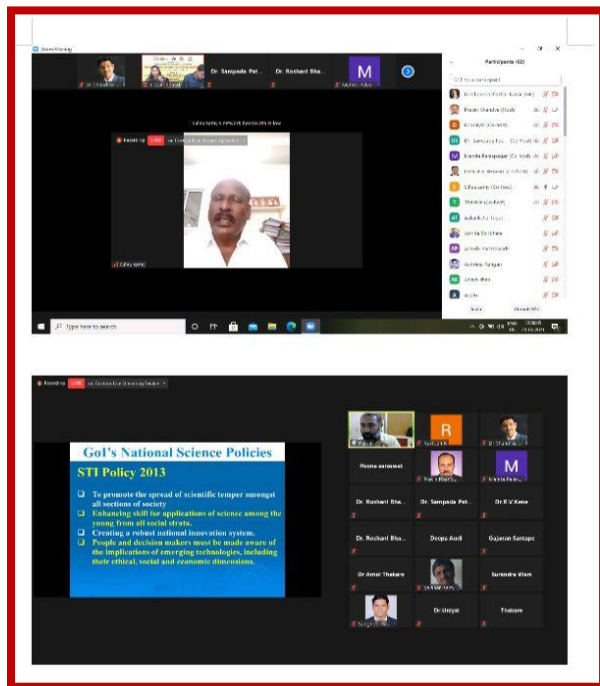


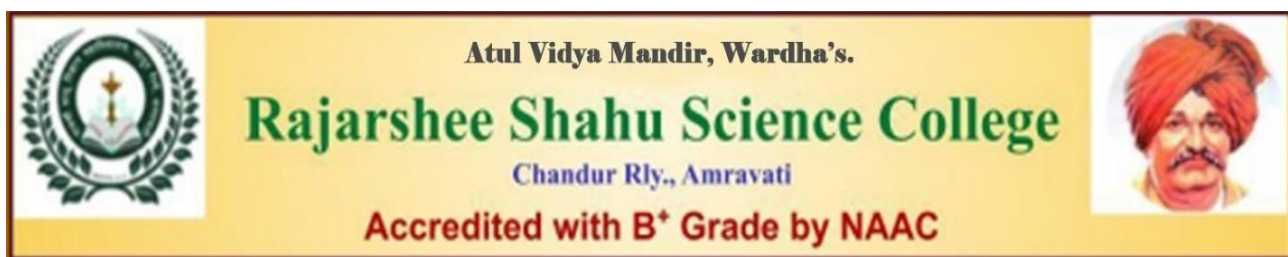
Dr. R.V. Kene

*Convener of RSTSD – 2021
Asst. Prof, Dept. of Mathematics*



CONFERENCE GLIMPSES





List of Research Papers Published in B.Aadhar Journal

Sr. No.	Name of Authors	Contact Number	Name of Papers
1	Dr.Mrs.Sharada K.Ulhe	Department Of Botany, Mahatma Fule Arts, Commerce & Sitaramji Choudhari Science College, Warud, dist- Amravati	Conservation of Ethnobotanical Plant is One of The Way of Conservation of Environment
2	Narendra. M. Jathe	Assistant Professor, Department of Computer Science, Smt. Narsamma Arts Commerce and Science College, Amravati, Maharashtra (India)	Online Voting System
3	A.J.Wanjari	Dept. of Zoology, Shivramji Moghe Arts, Commerce and Science College, Kelapur (Pandharkawada) Dist. Yavatmal (M.S.),	STUDY OF STATUS OF WATER QUALITY OF SELECTED RIVERS OF YAVATMAL DISTRICT, MAHARASHTRA.

4	R.V.Kene	Assistant Professor, Department of Mathematics, Rajarshee Shahu Science College, Chandur Rly	A Differential Equation Analysis of Pandemic Disease Spread
5	Rani Sonawane	Asst. Prof. Sonawane R.D. New Art's Commerce & Science College Parner, Dist.-Ahmednagar, Maharashtra. Tel. 8805177492	Importance of Mathematics
6	Patel, Naved K. and Hedawoo, G.B.	Mycology and Plant Pathology Laboratory,P.G. Department of Botany, Shri Shivaji Science College, Amravati – 444602 (M.S.)	Powdery Mildew on <i>Anethum Graveolens</i> L. And <i>Coriandrum Sativum</i> L.
7	Shital Deshmukh ¹ ,Tupti Khedkar ²	Assistant Professor, Department of zoology, Shri . Shivaji Science College, Congress Nagar, Nagpur, Maharashtra	Analysis of liver test after leech therapy
8	Bhawana Kanhaiya Madavi	Department of Chemistry, Shivramji Moghe Arts, Commerce and Science College, Kelapur (Pandharkawada) Dist. Yavatmal (M.S.), India	STUDY OF PHYSICO-CHEMICAL PARAMETERS OF WELL WATER FOR POTABILITY OF PANDHARKAWADA TOWN, DIST-YAVATMAL, MAHARASHTRA
9	S.S. Padhen ^{1*} , A.B. Wadekar ² and G.B. Andhale ³	Department of Chemistry, Rajarshee Shahu Science College Chandur (Rly), Dist.-Amravati, 444904. (MS). 2. Department of chemistry, Shri.D.M.Burungale science and arts college Shegaon Dist. Buldana-444203. (MS) 3.Department of Chemistry, Shri. Shivaji Arts, Commerce and Science College, Akot,Dist: Akola 444 101. (MS)	JONE'S-DOLES EQUATION AND MOLECULAR INTERACTION STUDIES OF 1-PHENYL-3-[4-(2-ETHYLIMINO-4-PHENYLIMINO-1,3,5-DITHIAZINO)AMINO PHENYL]PROP-2-ENE-1-ONE
10	Mr.Heeralal Barde ¹ , Dr.Meenakshi Solanki ²	(1) Research Scholar, Dr. A. P. J. Abdul Kalam University, Indore, Madhya Pradesh, India. (2) Professor & Supervision Dr.	Analysis of Some Selected Parameters in Water of Chikliya Pond District Barwani M.P. India.

		A. P. J. Abdul Kalam University, Indore, Madhya Pradesh, India.	
11	N. A. Kalambe Paper-1	Dept. of Chemistry, Shri. Shivaji Science College, Amravati	Determination of Cu, Zn, Fe, Mn and Boron in soil sample
12	N. A. Kalambe Paper-2	Dept. of Chemistry, Shri. Shivaji Science College, Amravati	Estimation of zinc from soil sample N. A. Kalambe
13	Mr.Sunil P. Kakad Dr.Suresh S.Thakare	Postgraduate Teaching Department of Chemistry Shri Shivaji Science College, Amravati	INNOVATIVE REDUCTION OF NITROARENES AS NITRO QUINAZOLINE DERIVATIVESBY SODIUM DITHIONATEWITHOUT PTC CONDITION
14	Milind Shirbhate and Amrita Shirbhate	a) Department of Zoology, Shankarlal Khandelwal Arts, Science and Commerce College, Akola, Maharashtra, India	Gastrointestinal Endoparasites of <i>Cervus Unicolor</i> (Sambar) In Katepurna Wildlife Sanctuary, Akola
15	Dr. Namrata Khurana*, Dr Uday Singh Ningwal**	assistant professor zoology, Maharaja Bhoj P.G. College, Dhar, ** assistant professor zoology,Maharaja Bhoj P.G. College, Dhar	STUDY OF PREVELANCE OF DANDRUFF, SCALP PRURITUS AND ASSOCIATED SYMPTOMS.
16	M.H.SHAIKH	Assistant Professor Jagadamba Mahavidyalaya Achalpur City,India	Synthesis of Nanoparticles and Their Types :-A Review
17	Mahatkar P.D.	Department of Zoology, R. D. I. K. and K. D. College, Badnera, Amravati.Maharashtra.	Inorganic components of the haemolymph in millipede, <i>Mordanius importatus</i> and the effect of low temperature on it.
18	S. N. DHOTE,S. S. THAKARE	Department of Chemistry Dist. Amravati.	SYNTHESIS OF NON-SYMMETRIC SUBSTITUTED TRIAZINE DERIVATIVES
19	V. D. Sharma* P. R. Langade**	** Dept. of Mathematics, Shri. Vasantrao Naik Mahavidyalaya, Dharni,	New Modeling of Fractional Fourier Transform

		<i>Amravati, (MH), India.444702</i>	
20	Dr. Nitin M. Raut	^a Arvinbabu Deshmukh Mahavidyalaya, Bharsingi, Dist. Nagpur	Spiders as bio-indicators of anthropogenic stress in natural and semi-natural habitats:- some recent developments
21	Asst.Prof. SushmaMawande	Lt. MadangopalMundhada College, Chandur Rly.	Application of cloud computing in libraries
22	Milind Anasane	LIBRARIAN HVPM'S COLLEGE OF ENGG.AND TECH. HANUMAN NAGAR AMRAVATI-444605 MOB-8275395360 / 9423123920	Why_Training_is_important_ for_Library_Staff
23	Shruti Pramodrao Ingole*	Shri Shivaji Science College, Amravati.	Study of Soil Fertility to Applicable For Agriculture Field In Tiosa Region (Maharashtra).
24	Dr. Shaiphali Saxena	Assistant Professor of Botany, Deptt. of Botany, Govt. P.G. College, Manila- 263667 Almora, Uttarakhand (India). Contact: 7895545330	Reviving the Ethnomedicinal Knowledge of Manila, District Almora (Uttarakhand)"
25	Vaibhav N. Gulhane	Department of Chemistry, Mahatma Fule Arts, Commerce and Sitaramji Chaudhari Science Mahavidyalaya, Warud,Dist.Amravati	Preparation of Activated Charcoal from Coconut Shell and To Study Its Adsorption Efficiency
26	Dhananjay Deshmukh	Department of Physics , Lt. R. B. Arts,Comm. And Smt. S. R. B. Sci. College, Arni, Dist- Yavatmal-445001 , India.	AC electrical conduction study of PTh- PVAc thin films using Iodine as A dopant
27	Prof. Avinash G.Yette	Dr. Arun Motghare Mahavidyalaya Kondha-Kosra,Tah: Pauni, Dist : Bhandara	Historical Development of LIS Education in India
28	A.D.Bansod and A.P. Thakare	Department of Chemistry, Rajarshee Shahu Science College Chandur Rly. Dist. Amravati 4449	Synthesis, Characterization, and Catalytic Activity of Some Polychelates of Salen Type Schiff Base
29	M P. Waghmare, S. N. Wagh	Librarian, RajarsheeShahu Science College, Chandur Rly ^a Librarian, Sant Gadge	National Digital Library of India (NDLI): Services for the Nation

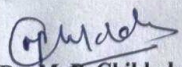
		Maharaj Mahavidyalaya, Walgaon, Dist. Amravati ^b	
30	Devendra Mishra, V.K. Sharma	Assistant Professor, Department of Zoology, Govt. College Tarana, Ujjain (M.P.) Professor, Department of Zoology, Govt. Holkar Science College, Indore (M.P.)	Diversity of Diurnal Butterflies at Naulakhi Ecological Park, District Ujjain, Madhya Pradesh
31	Ms.Neha D. Mahurkar	Assistant Professor, Department of Chemistry, Mungsaji Maharaj Mahavidyalaya, Darwha.	Potent Heterocyclic Scaffold Benzimidazole: A Review
32	Swati Aswale ¹ , Roshani Bhagat ² , Shital N. Bhad ³ ,	¹ Asst. Prof., D.Y. Patil College of Engineering, Akurdi, India	MUSIC FILE RECOVERY
33	Ingle Shyam ¹ , Hedawoo Ganesh ²	1. P.G. Department of Bioinformatics, 2. P. G. Department of Botany, Shri Shivaji Science College, Shivaji Nagar,	Phytochemical's screening of medicinal plants and interaction studies against SARS-CoV-2 spike Protein
34	Sontakke, N.R. ¹ , G.B. Hedawoo ¹ and S.P. Patharkar ²	¹ Mycology and Plant Pathology Laboratory, P.G. Department of Botany, Shri Shivaji Science College, Amravati - 444602 (M.S.) namita.sontakke@gmail.com ² Department of Botany, Rajarshee Shahu Science College, Chandur Railway, Dist. Amravati (MS)	Impact of storage fungi on the seed germination of mungbean (<i>Vignaradiata</i> L.)
35	Sardar P.R., Manik S.R., Saudagar S.A.A.G.	Department of Botany, Sant Gadge Baba Amravati University, Amravati.	Assessment of important bio-active constituents from <i>Anisomeles indica</i> (Linn.) Kuntze.
36	Mamata Pal Paper-1	Department of Zoology, University of Lucknow (UP).	Bioassays of two enzymes in Chromium induced deformities in Kidney and Liver of <i>Channa punctata</i> .
37	Mamata Pal	Department of Zoology, University of Lucknow (UP).	Chromium-induced aspartate transaminase activity of Kidney and Liver in <i>Channa punctata</i> .
38	Hedawoo, G.B.	Mycology and Plant Pathology Laboratory,	<i>Xylaria polymorpha</i> (Pers.) Grev. (Dead man's fingers) and its

		P.G. Department of Botany, Shri Shivaji Science College, Amravati (M.S.) India	ethnomycological study
39	Farhan. Ahmad ¹ , A.P. Pachkawade ² , Sakeena Masrat ³ and S.K. Devade ⁴	¹ Department of Physics, Shankarlal Khandelwal Arts, Science & Commerce College, Akola ² Department of Physics, Rajarshee Shahu Science College, Chandur Railway Dist. Amravati, ³ SOS in Physics Jiwaji University, Gwalior	RECENT DEPOSITION TECHNIQUES IN THIN FILMS AND THEIR APPLICATIONS
40	S.P. Patharkar ¹ , G.B. Hedawoo ² and Sontakke, N.R ²	¹ Department of Botany, Rajarshee Shahu Science College, Chandur Railway, Dist. Amravati (MS) ² Mycology and Plant Pathology Laboratory, P.G. Department of Botany, Shri Shivaji Science College, Amravati - 444602 (M.S.)	Due to Storage condition, nutritional Changes in Oilseed Mustard (<i>Brassica campestris</i> L.)
41	M.P. Chikhale	Department of Zoology, Rajarshee Shahu Science College, Chandur Rly, Dist. Amravati, Maharashtra, India. 444904.	Effect of the combined oral steroidal contraceptives pill (ethinylestradiol + norgestrel) on the female wistar rats ovarian histological alteration.
42	Deepti H. Pethakar	Khandelwal College Akola	Comparative Analysis of COVID 19 Test in INDIA by Classification Technique
43	¹ Shital N. Bhad, ² Roshani N. Bhagat, ³ Swati P. Aswale, ⁴ V.S. Sangawar	¹ Jr. Teacher, Department of Physics, Shrimati Narsamma, Arts Commerce and Science College, Amravati, India, ² Asst. Prof., Department of Physics, Rajarshee Shahu Science College, Chandur Rly. ³ Asst. Prof., Department of	CAPACITANCE STUDY OF PVA BASED POLYMER GEL ELECTROLYTE

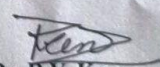
		Electronics, D.Y. Patil College of Engineering, Akurdi, India ⁴ Professor, Department of Physics, G.V.I.S.H, Amravati, Maharashtra, India,	
44	Roshani Bhagat ¹ , Shital Bhad ² , Ashwin Pachkawade ³ , Vijaya Sangawar ⁴	^{1 & 3} Asst. Prof., Department of Physics, RSSC, Chandur Rly, Amravati, India ² Jr. Teacher, Department of Physics, Shrimati Narsamma, Arts Commerce and Sci. College, Amt, India ⁴ Professor, Department of Physics, G.V.I.S.H, Amravati, Maharashtra, India,	Characterization and Chemically Synthesized Cadmium Sulfide/ Polyvinyl Alcohol Nanocomposites
45	Amol P Thakare ¹ & Ashish D Bansod ²	^{1, 2} Department of Chemistry, Rajarshee Shahu Science College, Chandur Rly	“Synthesis and Thermal analysis study of Cr(III) & Fe(III) complexes derived from Chalcone ligand”
46	Amol S Chawande*; Dr. Sanjay N Wagh**	*Librarian, GES College of Education, Sangamner, Dist. Ahmednagar, **Librarian, Sant Gadge Maharaj Mahavidyalaya Walgaon, Dist. Amravati	E-Database : An Effective Tool in Library
47	Amit L. Gadre ¹ , Manisha C. Golchha ² , Ganesh R. Yerawar ³ , Vijaya Sangawar ⁴	¹ Department of Physics, A. D. Mahavidyalaya, Bharsingi, Dist. Nagpur (M.S.) INDIA ² Department of Physics, Brijlal Biyani Science College, Amaravti (M.S.) INDIA ³ Department of Physics, Arts, Commerce and Science College, Arvi (M.S.) INDIA ⁴ Polymer Research Laboratory, G.V.I.S.H. Amravati (M.S.) INDIA	Biodegradation study of CEL and PEG added LDPE Bio-composite film
48	M.P.Chikhale	Department of Zoology, RajarsheeShahu Science College ,Chandur Rly, Dist.Amravati , Maharashtra, India. 444904.	The uterus histological alterations in Wistar Female Albino Rats fed with steroidal and non - steroidal contraceptive pills.

49	Deshmukh S.V. and Mahatkar P.D.	Department of Zoology R. D. I. K. and K. D. College, Badnera, Amravati.	Haemolymph Organic component in the millipede, Mordanius importatus and effect of temperature on it.
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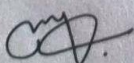
45	Amol P Thakare ¹ & Ashish D Bansod ²	^{1,2} Department of Chemistry, Rajarshee Shahu Science College, Chandur Rly	"Synthesis and Thermal analysis study of Cr(III) & Fe(III) complexes derived from Chalcone ligand"
46	Amol S Chawande*; Dr. Sanjay N Wagh**	*Librarian, GES College of Education, Sangamner, Dist. Ahmednagar, **Librarian, Sant Gadge Maharaj Mahavidyalaya Walgaon, Dist. Amravati	E-Database : An Effective Tool in Library
47	Amit L. Gadre ¹ , Manisha C. Golchha ² , Ganesh R. Yerawar ³ , Vijaya Sangawar ⁴	¹ Department of Physics, A. D. Mahavidyalaya, Bharsingi, Dist. Nagpur (M.S.) INDIA ² Department of Physics, Brijlal Biyani Science College, Amravati (M.S.) INDIA ³ Department of Physics, Arts, Commerce and Science College, Arvi (M.S.) INDIA ⁴ Polymer Research Laboratory, G.V.I.S.H. Amravati (M.S.) INDIA	Biodegradation study of CEL and PEG added LDPE Bio-composite film
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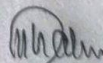
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