

Rayat Shikshan Sansthas Annasaheb Awate Arts, Commerce & Hutatama Babu Genu Science College, Manchar, Tal- Ambegaon, Dist-pune



NAAC Accredited 'A' Grade

Hybrid International Conference

on

"Integrative Nanotechnology Perspectives for Multidisciplinary Applications"

January $1\hat{6}^{th}$ – January 18^{th} 2022

Report

On the College-Science stream has been organized the onsite Hybrid International Conference on "Integrative Nanotechnology Perspectives for Multidisciplinary Applications" January 16th – January 18th, 2022. On 16th January public lectures has been arranged for society first public lecture of **Prof. R. S. Mali** (Former Vice Chancellor, Kaviyatri Bahinabai Chaudhari North Maharashtra University, Jalgaon Emeritus professor, Savitribai Phule Pune University, Pune) on the topic Reforms in Higher Education Through New Education Policy 2020 and second public lecture of speaker **Dr. D. P. Amalnerkar** (Professor Emeritus, Savitribai Phule Pune University, Pune. Former Executive Director, Center for Materials for Electronics Technology (C-MET) (Govt.of India), Pune) on Building the Incredible Nation through Education, Science & Technology: South Korean Story. More than 2000 people has been taken the benefit of public lecture by online and offline mode.

Public lecture YOU-TUBE link: https://www.youtube.com/watch?v=4ssbFNw6iiI

Viewer : 2700

The Inauguration of conference done on the 17th January by the auspicious hand of **Prof. Dr. Arvind A. Natu** Founder Professor, IISER, Pune Emeritus Scientists, NCL, Pune and **Prin. Dr. V. S. Shivankar**, Secretary, Rayat Shikshan Sanstha, Satara.

Summary of International speakers given talk on 17th and 18th February 2022.

- Dr. Taesung Kim, Professor, Sungkyukwan University (SKKU), South Korea delivered talk on the topic Synthesis of Two-Dimensional Materials and their Heterostructures Using Plasma Enhanced CVD.
- Dr. Toshihiro Moriga, Professor, Tokushima University, Japan delivered talk on the topic Synthesis and Photocatalytic Property of Ta3N5 with Inverse Opal Structure
- Prof. Dr. A. M. Deshmukh, President, Microbiologists Society of India delivered talk on the topic Metal Nanoparticles by Actinomycetes
- Prof. Venkatesan Renugopalakrishnan, Scientist, Professor, Harvard/ Northeastern University, Boston, Massachusetts, United States delivered talk on the topic SARS-COV-2 Variants (Delta & AY.4.2), Omicron (B.1.1.529) and the role of pseudoviruses for future therapeutic role of monoclonal antibodies
- Prof. Dr. Tanzima Yeasmin, Professor, Department of Biochemistry and Molecular Biology, University of Rajshahi, Bangladesh delivered talk on the topic Nanobiotechnology: Recent trends in Life science
- Prof. Ms. Dr. Katia Vutova, Professor, Institute of Electronics of the Bulgarian Academy of Sciences, Bulgaria. delivered talk on the topic Electron beam nanolithography – processes and limitations
- Dr. Antony Samrot Senior Lecturer, MAHSA University, Malaysia delivered talk on the topic Nanosorbents for effective removal of dye and Heavy metals

The following imminent persons also support the conference by chairing the session and work as a resource person of poster and paper presentation,

- Dr. B. B. Kale Executive Director, Center for Materials for Electronics Technology (C-MET) (Govt.of India), Pune
- Dr. Atul Chaskar Associate Professsor, National Centre for Nanoscience and Nanotechnology, University of Mumbai, Mumbai
- > Dr. Latesh Nikam Associate Professor, Baburao Gholap College, Sanghvi, Pune
- > Dr. Sudhir Arbuj Scientist, Centre for Materials for Electronics Technology, Pune
- > Dr. Harshad Jadhav Visiting Scientist, Myongji University, Republic of Korea
- Prof. Dr. Ashok Borade Professor, Department of Chemistry, HPT and RYK College, Nashik
- Prof. Ms. Dr. Shubhada Nayak I/c Principal, Karmaveer Bhaurao Patil College, Vashi.

- Dr. Rajashree Ghorpade Associate Professor, Karmaveer Bhaurao Patil College, Vashi, Navi-Mumbai.
- Dr. K. P. Kakde Associate Professor, Department of Electronic Sciences, S.M. Joshi College, Hadapsar, Pune
- Dr. Sarfraj Mujawar Head, Department of Nanoscience & Technology, Y. C. Institute of Science, Satara
- > Dr. R. D. Choudhari Professor, Shri Shiv Chhatrapati College, Junnar
- Dr. Virendra S. Patil Assistant Professor, MIT School of Bioengineering Sciences & Research, Pune Post-Doctoral Fellow, Korea

Validatory Function of conference was done 12th January 2022 by auspicious hand of Prin. Dr. K. G. Kanade, Dr. Manohar G. Chaskar, Dean, Science & Technology, Savitribai Phule Pune University and Dr. Satish Paradeshi, Senior Professor SPPU Pune.

More than 400 students, teachers and resource persons take a benefit of online and offline lectures.

You Tube links :

https://www.youtube.com/watch?v=oayCFoOHe_k

https://www.youtube.com/watch?v=qf7ONkHeMF0

Summery table of Conference:

Sr.	Particulars	Beneficiaries
No.		
1	Participant registered	283
2	Oral Paper presented	95
3	Poster Presented	151
4	Full Length Paper Received	35
5	Journal Name	Materials Today
	https://www.journals.elsevier.com/materials-	
	today-proceedings	
5	Full Length Paper Published	In process
6	Abstract Received-Published	246

Photo Gallery: INPMA-2022





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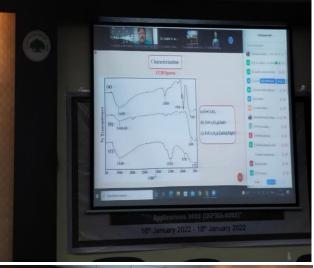










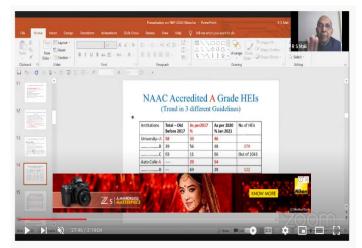














TRATIVE



Padmabhushan Dr. Karmaveer Bhaurao Patil

Rayat Shikshan Sanstha's Annasaheb Awate Arts, Commerce and Hutatma Babu Genu Science College, Manchar Tal. Ambegaon , Dist. Pune , Maharashtra, India -410 503 Affiliated to Savitribai Phule Pune University, Pune Website: aacmanchar.edu.in Organizes Hybrid (Online/Onsite mode) International Conference on "Integrative Nanotechnology Perspectives for Multidisciplinary Applications 2022 (INPMA-2022)" held on January 16-18, 2022

About the Parent Institution

Rayat Shikshan Sanstha was established by the great social reformer Padmabhushan Dr. Karmaveer Bhaurao Patil in 1919 with the motto- Education for masses is principle instrument and the tool for eradication of all-pervasive social evils and desirable effective social change. The vision of the institute- "Education through self-help is a significant and chief drive of social change to achieve different tasks of nation building by establishing social equality and social justice". At present the institution is working with the network of 772 branches spreading over 15 Districts of Maharashtra & 1 District of Karnataka including colleges, ITI's, High Schools, Primary Schools, Pre-primary Schools, Hostels, Ashramshalas & others. The Sanstha operates through 8 administrative offices and has a strong workforce to cater the educational needs of 4.6 lakhs students.

Organizing Institute

Annasaheb Awate Arts, Commerce and Hutatma Babu Genu Science College, Manchar was established in 1966 & is run by the Rayat Shikshan Sanstha, Satara. The college is one of the leading colleges in Savitribai Phule Pune University, Pune that provides a quality education in Arts, Commerce and Science faculty. College offers 17 UG courses and 9 PG courses including Marathi, English, Economics, Commerce, Analytical Chemistry, Organic Chemistry, Botany and Physics. College is also having recognized research centre for Botany, Chemistry and Economics along with these our college has professional courses like Biotechnology, B.Voc. and BBA(CA). College is accredited by NAAC for the 3rd cycle in "A" grade with CGPA 3.09.

Nearby Destinations

- 'Bhimashankar', one of the twelve Jotirlingas, situated 60 km away from Manchar. It is famous for Giant Squirrel and evergreen rich flora.
- **'Shiveneri Fort'-** Birth place of Chattrapati Shivaji Maharaj is 35 km away from Manchar. On the way of Junnar, **Ozar** (23 km) and **Lenyadri** (35 km) are among the Ashtavinayaka temples.
- GMRT, Khodad, world famous radio telescope is 20 km away from our college.
- Buddhist caves in Western Ghat region(27 km).
- Western Ghat region (60km) is declared as heritage by UNESCO.

Themes of the Conference :

- Nanotechnology: An Elixir to Life
- Nanomaterials in Sensors
- Nanomaterials in Diagnostics and Therapy
- Nanobiosciences

Bank Details

- Novel Applications of Nanotechnology
- Nanotechnology in Catalysis
- Nanomaterial Synthesis and Characterization

Registration Details :

Registration Fee:

Student participants for oral/poster presentation: Rs. 500/-Faculty & Research Scholars for oral/poster presentation: Rs. 1000/-Foreign delegates: \$ 50/-Accepted Full length paper: Rs. 3000/-Registration Fee is waived off for only virtual attendance. For Registration : <u>https://forms.gle/pKu2x2EAVjT8aKEz6</u>

Registration fee can be deposited through NEFT/ RTGS/ IPS toPrincipal, Annasaheb Awate College, Manchar, Tal.- Ambegaon, Dist.- Pune (M.S.), IndiaAccount No.: 60357495658Bank Name: Bank of MaharashtraIFSC code: MAHB0000112For query regarding registration and submission of abstract, please contact:Mr. S. S. Gaikwad: +91 9970469708Dr. N.B. Admuthe : +91 9423909080

Call for Papers

- Insightful papers with theme of conference at the focal point are invited.
- The abstract should include title of the paper, Authors name, affiliation and correspondence address with email id.
- Abstract (limited to 300 words, in MS word format, Times New Roman, Font Size 12 & 1.5 line spacing) should be send to E-Mail *awateannasaheb@gmail.com* by December 31, 2021.
- Selected authors will be communicated to submit soft copy of full paper in A4 size in MS word format, Times New Roman, Font Size 12 with 1.5 line spacing and send to E-Mail: <u>awateannasaheb@gmail.com</u> by January 05, 2022.
- The selected reviewed papers will be published in an international journal/UGC Care listed journal with ISSN number.
- Paper will be accepted only when it has not been published, copyrighted, presented or accepted elsewhere.

Important Dates

Conference Dates : January 16-18, 2022

Commencement of abstract submission : **December 01,2021** Last date of abstract submission: **December 31,2021** Last date of paper submission: **January 05,2022** Oral/Poster submission date: **January 05,2022** Acceptance Notification: **January 10,2022**

Overseas Key Note Speakers

Dr. Seeram Ramakrishna, National University of Singapore Prof. Ganpati Ramanath, Rensselaer Polytechnic Institute, Troy, NY Prof. Animesh Jha, University of Leeds, UK Dr. Matjaz Valant, University of Nova Gorica, Slovenia Dr. Katia Vutova, Bulgarian Academy of Science, Bulgaria Dr. Toshihiro Moriga, Tokushima University, Japan

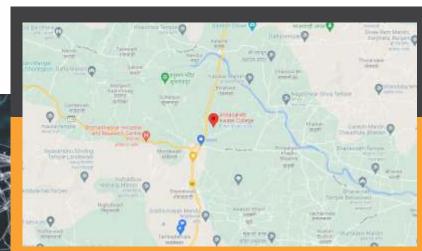
- **Dr. Taesung Kim.** Sungkyunkwan University. South Korea
- **Dr. Nanasaheb Thorat**, Marie Curie Fellow, Oxford University, UK
- **Dr. Anna Axelsson**, London South Bank University, London
- Dr. Ashok Joshi, University Utah, USA

Dr. Jin Ook Baeg,

Korea Research Institute of Chemical Technology, South Korea **Dr. Haiwon Lee**, Professor, Hanyang University, South Korea **Prof. Venkatesan Renugopalakrishnan**, Scientist, Harvard/Northeastern University, Boston, US.

Advisory Committee

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Organizing Committee

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Mr. D.V. Doke	Mr. S.N. Suse
Mrs. R.S. Pawar	Ms. P.B. Khillari

For Accomodation

Accommodation can be arranged on request, charges will be born by the participant. **Contact : Mr. S.T. Pokale : 9850652907**

College Website: <u>aacmanchar.edu.in</u> For more details please visit: https://www.aacmanchar.edu.in/conf/





Rayat Shikshan Sanstha's Annasaheb Awate Arts, Commerce and Hutatma Babu Genu Science College

Manchar, Tal. Ambegaon, Dist. Pune



Hybrid International Conference on

"Integrative Nanotechnology Perspectives for Multidisciplinary Applications"

Schedule : January 16th – January 18th, 2022

DAY I: Sunday, 16/01/2022						
Time	Sessions	Title/ Resource Person	Link			
11:00am – 2:00pm		Spot Registration				
2:00pm – 3:00pm		Lunch Break				
3:00pm – 5:00pm	Public Lecture I	Title: Reforms in Higher Education Through New Education Policy 2020 Prof. R. S. Mali Former Vice Chancellor, Kaviyatri Bahinabai Chaudhari North Maharashtra University, Jalgaon Emeritus professor, Savitribai Phule Pune University, Pune	Via Zoom Platform I Zoom ID: https://us02web.zoom.us/j/88094708514?pwd =TUh1b0RvaWt0aVBad0I0dDBMaW9YUT09 Meeting ID: 880 9470 8514 Passcode: aac123			
	Lecture II	Title: Building the Incredible Nation through Education, Science & Technology: South Korean Story Dr. D. P. Amalnerkar Professor Emeritus, Savitribai Phule Pune University, Pune. Former Executive Director, Center for Materials for Electronics Technology (C-MET) (Govt.of India), Pune				

DAY II: Monday, 17/01/2022				
Time	Sessions	Title/ Resource Person	Link	
Time 9:30am - 10:30am 10:30am - 11:30 am	am Inaugural Ceremony Chief Guest: Prof. Dr. Arvind A. Natu Founder Professor, IISER, Pune Emeritus Scientists, NCL, Pune President : Prin. Dr. V. S. Shivankar Secretary, Rayat Shikshan Sanstha, Satara		Link Via Zoom Platform II Zoom ID: https://us02web.zoom.us/j/87058813128?pwd =am94aHZib250ckxFcTJUdXpGV1Z0dz09 Meeting ID: 870 5881 3128 Passcode: aac123	
11:30am – 12:10pm	Session I	Professor, Sungkyukwan University (SKKU), South Korea Title: Synthesis and Photocatalytic Property of Ta3N5 with Inverse Opal Structure Dr. Toshihiro Moriga Professor, Tokushima University, Japan		

DAY II: Monday, 17/01/2022						
Time	Sessions	Title/ Resource Person	Link			
12:10pm – 1:30pm		Lunch Break				
1:30pm – 2:10pm	30pm – 2:10pm Chairperson Dr. Atul Chaskar Associate Professsor, Associate Professsor, National Centre for Nanoscience and Nanotechnology, University of Mumbai, Mumbai					
	Session II	Title: Nanocatalysis for Pharmaceutical ProductsProf. Dr. Goutam MukhopadhyayPrincipal,BCDA College of Pharmacy andechnology, Campus II,Maukana Abdul Kalam Azad University, Kolkata	Via Zoom Platform II Zoom ID: https://us02web.zoom.us/j/87058813128?pwd =am94aHZib250ckxFcTJUdXpGV1Z0dz09			
2:10pm – 2:50pm	Session III	Title: Metal Nanoparticles by Actinomycetes Prof. Dr. A. M. Deshmukh President, Microbiologists Society of India.	Meeting ID: 870 5881 3128 Passcode: aac123			
2:50pm – 3:50pm	Chairperson	Dr. Latesh Nikam Associate Professor, Baburao Gholap College, Sanghvi, Pune	Via Zoom Platform III			
	Oral Lecture 1	Topic: Chemical ScienceMs. Kiran TaksandeAssistant Teacher,ICGM, University of Montpellier, France	Zoom ID: https://us02web.zoom.us/j/82465594322?pwd =OFRoUkJTZFIvOC9JbkRFUHpua01rUT09 Meeting ID: 824 6559 4322			
	Oral Lecture 2	Topic: Life SciencesDr. Pankaj MundadaAssistant Professor,Yashwantrao Chavan Institute of Sciences, Satara	Passcode: aac123			

DAY II: Monday, 17/01/2022					
Time	Sessions	Title/ Resource Person	Link		
	Oral Lecture 3	Topic: Electronics & Mathematical SciencesDr. Govind UmarjiScientist,Centre for Materials for Electronics Technology, Pune			
3:50pm – 4:00pm	Tea Break				
4:00pm - 5:30pm		POSTER PRESENTATIONS			
	Chairperson	Dr. Sudhir Arbuj Scientist, Centre for Materials for Electronics Technology, Pune			
	Physical Sciences	Dr. Harshad Jadhav Visiting Scientist, Myongji University, Republic of Korea	Via Zoom Platform IV Zoom ID:		
	Chemical Sciences	Prof. Dr. Ashok Borade Professor, Department of Chemistry, HPT and RYK College, Nashik	https://us02web.zoom.us/j/87356775623?pwd =d21JdHMxalM5eW13TkdwYVhFbU0zdz09 Meeting ID: 873 5677 5623 Passcode: aac123		
	Life Sciences	Dr. Rajashree Ghorpade Associate Professor, Karmaveer Bhaurao Patil College, Vashi, Navi-Mumbai.			
	Electronics, Mathematical Sciences &Others	Dr. K. P. Kakde Associate Professor, Department of Electronic Sciences, S.M. Joshi College, Hadapsar, Pune			
5:30pm – 7:00pm	Sightseeing Excursion				
7:00pm – 8:00pm	Dinner				

DAY III: Tuesday, 18/01/2022				
Time	Sessions	Title/ Resource Person	Link	
9:00am – 10:00am	Chairperson Keynote address - II	Prof. Dr. Satish PardeshiSenior Professor,Department of Chemistry,Savitribai Phule Pune University, PuneTitle: SARS-COV-2 Variants (Delta & AY.4.2), Omicron(B.1.1.529) and the role of pseudoviruses for futuretherapeutic role of monoclonal antibodiesProf. Venkatesan RenugopalakrishnanScientist, Professor,Harvard/ Northeastern University,Boston, Massachusetts,	Via Zoom Platform V Zoom ID: https://us02web.zoom.us/j/89854167064?pwd =bS9SSDVQa05tRGFBOVR5NWJOSnNhUT09 Meeting ID: 898 5416 7064 Passcode: aac123	
10:00am – 10:40am	Session IV	United States Title: Nanosorbents for effective removal of dye and Heavy metals Dr. Antony Samrot Senior Lecturer, MAHSA University, Malaysia		
10:40am – 11:20pm	Chairperson Session V	Prof. Ms. Dr. Shubhada Nayak I/c Principal, Karmaveer Bhaurao Patil College, Vashi. Title: Nanobiotechnology: Recent trends in Life science Prof. Dr. Tanzima Yeasmin Professor, Department of Biochemistry and Molecular Biology, University of Rajshahi, Bangladesh		

DAY III: Tuesday, 18/01/2022				
Time	Sessions	Title/ 1	Link	
11:20pm – 12:00pm	Session VI	Title: Electron beam r limitations Prof. Ms. Dr. Katia Vutov Professor, Institute of Electronics of theBu Bulgaria.	Via Zoom Platform V Zoom ID: https://us02web.zoom.us/j/89854167064?pwd =bS9SSDVQa05tRGFBOVR5NWJOSnNhUT09 Meeting ID: 898 5416 7064 Passcode: aac123	
12:00pm – 1:15pm	Chairperson	Dr. Sarfraj Mujawar Head, Department of Nanoscience & Technology, Y. C. Institute of Science, Satara		
	Oral Lecture 4	Topic: Life Sciences		Via Zoom Platform VI Zoom ID: <u>https://us02web.zoom.us/j/87380881307?pwd</u> <u>=M1pQbjJhazJlb3hOS1dIWmIRb2Rzdz09</u>
	Oral Lecture 5	Topic: Physical Sciences Dr. Virendra S. Patil Assistant Professor, MIT School of Bioengineering S Post-Doctoral Fellow, Korea	Meeting ID: 873 8088 1307 Passcode: aac123	
1:15pm – 2:15pm	Lunch Break			
2:15pm – 3:45pm	Felicitation Function: Superannuation of ServiceProf. Dr. A. B. NikumbhHead, Department of ChemistryVice-Principal, Annasaheb Awate College, MancharChief Guest: Dr. Satish PardeshiSenior ProfessorDepartment of Chemistry, Savitribai Phule Pune University, Pune		Valedictory Function Chief Guest: Prin. Dr. Manohar Chaskar Dean, Faculty of Science & Technology Savitribai Phule Pune University, Pune President: Dr. K. G. Kanade Principal, Annsaheb Awate College, Manchar	Via Zoom Platform VII Zoom ID: https://us02web.zoom.us/j/85479011780?pwd =Z084TIBtc01tZIVRUnZpRINGZmVzdz09 Meeting ID: 854 7901 1780 Passcode: aac123
3:45pm – 5:00pm	Study Tour/ Institutional Visit			