



Dayanand Education Society's
Dayanand Science College, Latur
**International e-Conference on Material Science
and Nanotechnology (e-ICMSN-2020)**
(December 17 - 19, 2020)
Sponsored by: (UGC – CPE)



Dayanand Science College has organized UGC-CPE sponsored International e-Conference on Material Science and Nanotechnology (e-ICMSN-2020) in the Department of Physics dated on 17 – 19, December 2020.

Online Inaugural function was held in the seminar hall by the auspicious hands of the President Hon. Laxmiramanji Lahoti (President, Dayanand Education Society, Latur.) and in the presence of the Chief Guest Prof. Govind Bichile (Formerly. Prof and Head Dr. BAMU, Aurangabad.), Keynote Speaker Prof. Alain Claverie (Director of CEMES/CNRS, France), Prof. Deelip Kuberkar (Director, Department of Nanoscience and advanced Materials, Saurashtra University, Rajkot). Special Invitee Hon. Arvindraoji Sonvane (Vice-President, Dayanand Education Society, Latur), Hon. Rameshji Biyani (Secretary, Dayanand Education Society, Latur), Hon. Sureshji Jain (Joint Secretary, Dayanand Education Society, Latur), Best Principal Awarde Dr. J.S. Dargad Principal Dayanand Science College, Latur., Dr. S.S. Bellale (Vice-Principal), all Speakers, Participants, our all HoD's and staff members.

International e-Conference on Material Science and Nanotechnology (e-ICMSN-2020) was commenced with the welcome and felicitation of President Hon. Laxmiramanji Lahoti, Chief Guest Prof. Govind Bichile, Keynote Speaker Prof. Alain Claverie, Prof. Deelip Kuberkar, Special Invitee Hon. Arvindraoji Sonvane, Hon. Rameshji Biyani, Hon. Sureshji Jain, Best Principal Awarde Dr. J.S. Dargad, Vice-Principal Dr. S.S. Bellale, Organizing Secretary Dr. L.V. Thakre, Convener Dr. V.A. Chaudhari and Co-Convener Dr. T.H. Mujawar

e-ICMSN-2020 was started with the introductory speech of Hon. Laxmiramanji Lahoti. In his introductory speech he said that Physics and Nanotechnology research has wide scope in International level. He also specially mentioned that the whole world has been affected by the catastrophic corona crisis. The epidemic is having far-reaching effects on the entire education system of the world. Even so, education is an ongoing process. It can never be broken. That is why during this global epidemic, Dayanand Education Institute should never deprive students and professors of knowledge, so we have made continuous efforts to enhance the scope of

knowledge through online education and e-international conferences. As part of this, the conference has been organized. Therefore, researchers should make new discoveries in this field and make India famous globally and always emphasize on science and technology at the national and international level. Always focus on education and research without stopping in changing times with this India has a bright future. At this time, Chief Guest of the Inaugural function Prof. Govind Bichile said that International conference on “Material Science & Nanotechnology” (e-ICMSN-2020) is organized to bring together all technologists, scientists, professors, research scholars and students to promote interaction to review new challenges and latest developments in the fields of physics, chemistry, materials science and nanotechnology. Materials science and nanotechnology is a multidisciplinary approach to science. Material Science and Nanotechnology spans wide range of science and engineering discipline having future applications in almost all walks of human life including medicine, robotics, communication, environment, space, agriculture, sports, consumer goods, education, transportation etc. He specially mentioned that the conference offers a premise for global experts to gather and interact intensively on the topics of novel materials. We are striving to have an event with a rich combination of brain-storming academic sessions. This conference offers a platform to interact, discuss the challenges and exchange the expertise towards building a possible collaboration. Prof. Alain Claverie (Keynote Speaker) in his speech he said that the field of research in the field of materials science and nanotechnology is an emerging opportunity, adding that making various devices using phase change material could revolutionize the industrial sector. Prof. Deelip Kuberkar (Keynote Speaker) said that the research work being carried out at Thin Films and Research Center in Latur is noteworthy nationally and internationally. Lastly, Apart from this, the principal of the college, Dr. Jaiprakash Dargad hoped that the students would try their best to innovate in the field of physics and nanotechnology through this e-international conference.

Material Science and Nanotechnology has played and still playing a dominant role in the culmination and development of these technologies. The new era of growth & development has witnessed progress in various scientific fields. Functional Oxides and Ceramics, Nanomaterials, Thin film & devices, High- T_c Superconductor, Ferrites & Magnetic oxides, Dielectric and Ferroelectric Materials and devices, Gas and Magnetic Sensors, Solar Cells, Ionic Conductor, Nanoferrites, Green Energy Conservation and Environments, Modeling and Simulation, Nanobiotechnology, Green synthesis, Organic Synthesis, Medicinal Chemistry,

Polymers, Glass and Glass Ceramics, Ultrasonic and Acoustics, Wireless Sensing Networks, Artificial Neural Network are the themes of our International Conference.

The conference is being attended by 150 delegates across the globe. During these three days, 2 keynote address Prof. Alain Claverie (Director of CEMES/CNRS, France) and Prof. D.G. Kuberkar (Director, Department of Nanoscience and Advance Materials, Saurashtra University,Rajkot.), 17 plenary talks , 10 invited talks are conducted. In two sessions, 80 contributed talks are presented and other researchers are participated.

The valedictory function was conducted in the presence of the President Hon. Rameshji Biyani (Secretary, Dayanand Education Society, Latur), Chief Guest Prof. Deelip Kuberkar (Director, Department of Nanoscience and advanced Materials, Saurashtra University, Rajkot). Special Invitee Hon. Sureshji Jain (Joint Secretary, Dayanand Education Society, Latur), Dr. Shivaji Gaikwad (Principal, Dayanand College of Arts, Latur), Best Principal Awarde Dr. J.S. Dargad Principal Dayanand Science College, Latur., Dr. S.S. Bellale sir (Vice-Principal) and all Speakers, Participants, our all HoD's and staff members.

In the Presidential speech Hon. Rameshji Biyani said that the present age is the age of science and technology. Through this science-technology, an attempt is always made to make human life pleasant. But in today's age human needs have increased a lot. So, man is becoming selfish. It has also created a technical competition. In which human capabilities are often neglected. Mental patients are on the rise. However, science and technology are very useful for human beings. But if that science-technology is used in a controlled and regular way, it will be more beneficial for man. But that doesn't happen most of the time. So it is wrong to do any experiment using technology on nature. It will have temporary benefits, but the future will be dark. Apart from this, in today's technological and scientific age, we have to go beyond the intellect and keep our footsteps in the future by thinking about natural life and human existence. We need to recognize the advantages and disadvantages of technology and use it as much as necessary, only then can we make real technological progress. Therefore, while advancing nanotechnology, it is necessary to look at the risks along with the benefits. On this occasion Prof. Dilip Kuberkar said that Materials Science and Nanotechnology is an important subject in today's age and it is very useful for new researchers and professors. At the same time, the principal of the college, Dr. Jaiprakash Dargad said that many activities are implemented in the college to increase the research of students and professors. The knowledge gained through these various activities, conferences and workshops is passed on to them. In a real sense, the results of such conferences are achieved. A separate research room will be set up in the college in future. It

will focus on interdisciplinary research, he said. In the valedictory function Prof. Anand Pathak read the report and output of the e-ICMSN-2020 conference. Dr. V.A. Chaudhari proposed vote of thanks and Prof. Megha Pandit worked as an anchorer in this Conference. Lastly, the experts who participated in the conference expressed their views.

We wholeheartedly record our sincere thanks to Hon. Dr. Udhav C. Bhosale (Vice-Chancellor, SRTMU,Nanded) and Hon. Dr. Jogendrasingh Bisen (Pro Vice-Chancellor, SRTMU,Nanded). It is matter of great pleasure and pride for us to have an opportunity to express my deep gratitude to Hon. chief guest Prof. Govind K. Bichile for their valuable assertion for the conference. We are also thankful to Prof. L.P. Deshmukh for their constant cooperation.

We specially wish to express our sincere thanks to Prof. Alain Claverie (Director of CEMES/CNRS, France), Prof. D.G. Kuberkar (Director, Department of Nanoscience and Advance Materials, Saurashtra University,Rajkot.) for the keynote address and constant support. We are very much thankful to Prof. Ahmed LAKHSSASSI (Canada), Prof. Subhas Mukhopadhyay (Australia), Prof. Vladimir Pavelyev (Russia), Prof. Veloor Mani (India),Prof. Chandrakant Lokhande (India),Prof. Mahendra Shirsat (India),Prof. Jamil Akhtar (India),Prof. Arvind Shaligram (India),Prof. Omprakash Chimankar (India),Prof. Rajaram Mane (India), Prof. Vikas Patil (India),Prof. Anand Pathak (India),Prof. Utpal Joshi (India),Dr. Rupesh Devan (India),Dr. Nishad Deshpande (S. Korea), Prof. Anil Ghule (India),Dr. Pravina Pawar (India),Dr. Shrinivas Kulkarni (India), Dr. Mahesh Suryawanshi (Australia),Dr.Pradip Sarawade (India),Dr. Subimal Majee (Sweden), Dr. Abhijit Yadhav (India), Dr. Ramkrishna Kadam (India),Dr. Sudam Chavan (India),Dr. Abhay Sagade (India),Dr. Rajesh Joshi (India) and Dr. Uzma Bangi (India) for representing their valuable views. We want to extend our generous thanks to the entire participants for their support and cooperation.

The organization of the present International e-Conference has become possible with the financial support from UGC-CPE. Our Dayanand Education Society has generously supported and given encouragement for the organization of this conference.

We are immensely happy to record our special thanks to Hon. Laxmiraman Lahoti (President, Dayanand Education Society, Latur), Hon. Arvind Sonwane (Vice-President, Dayanand Education Society, Latur), Hon. Ramesh Biyani (Secretary, Dayanand Education Society, Latur) and Hon. Suresh Jain (Joint Secretary, Dayanand Education Society, Latur) for their constant encouragement .

We keenly express our deep sense of gratitude to efficient administrative person Dr. J. S. Dargad Principal for the moral support and proper valuable guidance and also thankful to Dr. S. S. Bellale for always being with us.

We cannot forget timely technical support and constant encouragement by Dr. Rohini Shinde and Mrs. Megha Pandit. We acknowledge the unwavering support received from Prof. Chandrashekar Swami, Dr. Jaman Angular, Dr. L.V. Thakre, Dr. V.D. Mote, Miss. S. A. Lokhande, Dr. Shrayas Mahurkar, Mrs. Sangita Jaju, Miss. Sujata Kale, Mrs. Aparna Kutwad, Mrs. Swapna Kulkarni, Mrs. Nikita Shinde, Miss. Kanchan Kadam, Mr. Vaibhav Kulkarni and Mr. Mangesh Sugare other faculty and staff members. We extend our thanks to Mr. Sarje, and all non-teaching staff of our department. We really thankful to Mr. Shayam Bhated, Mr. Sachin Patange and Mr. Mule for handling digital Publicity of e-ICMSN-2020. We extend our thanks to Microsoft Team App for their Virtual Platform.

We would like to acknowledge with thanks the sustained support, constructive criticism and assistance extended by all committee members, teaching, nonteaching staff and students without them it is not possible to organize the conference.



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:Organized by:

Department of Physics

Dayanand Science College, Latur-413512, Maharashtra, INDIA.



TECHNICAL PROGRAMME

Sr.No.	Time	Event	Meet (MICROSOFT TEAMS)																								
Zero Day : Date :- 16th December 2020																											
1)	11.00am to 12.00am	Registration (Online Testing Connectivity for all Participants on MICROSOFT TEAMS App.)	Registration Desk																								
2)	02.00pm to 04.00pm	Registration (Online Testing Connectivity for all Speakers on MICROSOFT TEAMS App.)	Registration Desk																								
	05.00pm to 08.00pm	Clearance of Connectivity problems if any	Connectivity Desk																								
First Day: Date :- 17th December 2020																											
3)	09.55am to 10.00am	Online Connectivity to Inaugural function	Registration Desk																								
4)	10.00am to 10.40 am	Inaugural function	e-ICMSN-2020 Inaugural																								
5)	10.40am to 11.40am	Keynote Talk- Prof. Alain Claverie Chair - Prof. Deelip Kuberkar	α -Alpha Meet																								
6)	12:00pm to 12:30pm	Plenary Talk - Prof. Subhas Mukhopadhyay Chair - Prof. Alain Claverie	α -Alpha Meet																								
7)	12.30pm to 01:00pm	Plenary Talk - Prof. Ahmed Lakhssassi Chair - Prof. Jamil Akhtar	α -Alpha Meet																								
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		Invited Talk - Dr. Abhijeet Yadhav Chair – Dr. Rajesh Joshi	γ - Gamma Meet																								
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		Invited Talk - Dr. Rajesh Joshi Chair - Dr. Ram Kadam	γ - Gamma Meet																								
<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 50%; text-align: center;">β-Beta Meet (04.30pm to 06.30pm)</th> <th style="width: 50%; text-align: center;">γ-Gamma Meet (04.30pm to 06.30pm)</th> </tr> </thead> <tbody> <tr> <td style="text-align: center;">Chair.- Prof. Vikas Patil</td> <td style="text-align: center;">Chair.- Dr. Sudam Chavan</td> </tr> <tr> <td>CT01 Amol Mandle</td> <td>CT11 Sarika Jadhav</td> </tr> <tr> <td>CT02 Aruna Sudapalli</td> <td>CT12 Mangesh Awale</td> </tr> <tr> <td>CT03 Ashish Itolikar</td> <td>CT13 Meghana Kasbe</td> </tr> <tr> <td>CT04 Balaji Londhe</td> <td>CT14 Priya Rupanawar</td> </tr> <tr> <td>CT05 Balaji Achole</td> <td>CT15 Sushant Khedgikar</td> </tr> <tr> <td>CT06 Ashok Dongare</td> <td>CT16 Shaila Wagh</td> </tr> <tr> <td>CT07 Govind Karhale</td> <td>CT17 Navinchandra Shimpi</td> </tr> <tr> <td>CT08 Jakeer Husain</td> <td>CT18 Pradeep Gaikwad</td> </tr> <tr> <td>CT09 Pandurangarao Kankanala</td> <td>CT19 Pooja Rani Kuri</td> </tr> <tr> <td>CT10 Anil Kalyankar</td> <td>CT20 Pranjit Kr. Bhuyan</td> </tr> </tbody> </table>				β -Beta Meet (04.30pm to 06.30pm)	γ -Gamma Meet (04.30pm to 06.30pm)	Chair.- Prof. Vikas Patil	Chair.- Dr. Sudam Chavan	CT01 Amol Mandle	CT11 Sarika Jadhav	CT02 Aruna Sudapalli	CT12 Mangesh Awale	CT03 Ashish Itolikar	CT13 Meghana Kasbe	CT04 Balaji Londhe	CT14 Priya Rupanawar	CT05 Balaji Achole	CT15 Sushant Khedgikar	CT06 Ashok Dongare	CT16 Shaila Wagh	CT07 Govind Karhale	CT17 Navinchandra Shimpi	CT08 Jakeer Husain	CT18 Pradeep Gaikwad	CT09 Pandurangarao Kankanala	CT19 Pooja Rani Kuri	CT10 Anil Kalyankar	CT20 Pranjit Kr. Bhuyan
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CT10 Anil Kalyankar	CT20 Pranjit Kr. Bhuyan																										

Second Day: Date :-18th December 2020

13)	09.55am to 10.00am	Online Connectivity	Registration Desk
14)	10.00am to 10.40am	Keynote Talk – Prof. Deelip Kuberkar Chair - Prof. Govind Bichile	α -Alpha Meet
15)	11:00am to 11:30 am	Plenary Talk - Prof. Velloor Mani Chair - Prof. Anand Pathak	α -Alpha Meet
16)	11.30am to 12:00pm	Plenary Talk - Prof. Jamil Akhtar Chair - Prof. Chandrakant Lokhande	α -Alpha Meet
17)	12.00pm to 12:30pm	Plenary Talk - Prof. Arvind Shaligram Chair - Prof. Ahmed Lakhssassi	α -Alpha Meet
18)	12.30pm to 01:00pm	Plenary Talk - Prof. Omprakash Chimankar Chair - Prof. Vladimir Pavelyev	α -Alpha Meet
19)	01:00pm to 02:00pm	Lunch break	At Home (COVID-19)
20)	02:00pm to 02:30pm	Plenary Talk - Prof. Rajaram Mane Chair - Prof. Mahendra Shirsat	α -Alpha Meet,
	02.30pm to 03:00pm	Plenary Talk - Prof. Vikas Patil Chair - Prof. Utpal Joshi	α -Alpha Meet
21)	03.15pm to 05.30pm	Invited and Contributory Talks in (02 parallel sessions)	β and γ Meets
22)	03.15pm to 03.45pm	Invited Talk - Dr. Subimal Majee Chair - Dr. Vijendra Chaudhari	β -Beta Meet
		Invited Talk - Dr. Pradip Sarawade Chair - Dr. Shriniwas Kulkarni	γ - Gamma Meet
23)	03.45pm to 04.15pm	Invited Talk - Dr. Ram Kadam Chair - Dr. Subimal Majee	β -Beta Meet
		Invited Talk - Dr. Sudam Chavan Chair – Dr. Vishwanath Mote	γ - Gamma Meet

β -Beta Meet (04.30pm to 06.30pm)		γ -Gamma Meet (04.30pm to 06.30pm)	
Chair.- Dr. Rupesh Devan		Chair.- Dr. Nishad Deshpande	
CT21	Prashant Kore	CT31	Vinod Kale
CT22	Pritam Borker	CT32	Vrushali Gavhane
CT23	Sandip Rathod	CT33	Snehal Wani
CT24	Shweta Lokhande	CT34	Kiran Chaudhari
CT25	Shashank Sharma	CT35	Sumedh Shakyamuni
CT26	Shrushti Ambulgekar	CT36	Mahesh Kumar Allam
CT27	Someshwar Deshmukh	CT37	Narasimha Murthy Mora
CT28	Swati Kulkarni	CT38	Satish Bainade
CT29	Payal More	CT39	Digambar Kadam
CT30	Lahu Kathwate	CT40	Gajanan Mahajan

Third Day: Date :- 19th December 2020

28)	09.55am to 10.00am	Online Connectivity	Registration Desk
29)	10.00am to 10.30 am	Plenary Talk - Prof. Utpal Joshi Chair - Prof. Rajaram Mane	α -Alpha Meet
30)	10.30am to 11.00am	Plenary Talk - Prof. Vladimir Pavelyev Chair - Prof. Deelip Kuberkar	α -Alpha Meet
31)	11:00am to 11:30 am	Plenary Talk - Dr. Rupesh Devan Chair - Prof. Vikas Patil	α -Alpha Meet
32)	11.30am to 12:00pm	Plenary Talk - Prof. Anil Ghule Chair - Prof. Omprakash Chimankar	α -Alpha Meet
33)	12:00pm to 01:00 pm	Lunch break	At Home (COVID-19)
	01.00pm to 01:30pm	Plenary Talk - Dr. Pravina Pawar Chair - Dr. Shriniwas Kulkarni	α -Alpha Meet,
34)	01.30pm to 02:00pm	Plenary Talk - Dr. Nishad Deshpande Chair - Dr. Rupesh Devan	α -Alpha Meet
	02.00pm to 02:30pm	Invited Talk - Dr. Shriniwas Kulkarni Chair - Dr. Lalit Thakre	β -Beta Meet
		Invited Talk – Dr. Uzma Bangi Chair – Dr. Tabbsum Mujawar	γ - Gamma Meet

		β -Beta Meet (02.30pm to 04.00pm)	γ -Gamma Meet (02.30pm to 04.00pm)
		Chair- Dr. Rajesh Joshi	Chair,- Dr. Pravina Pawar
	CT41	Yogesh Rasal	CT58 Rahul Chilwar
	CT42	Nandkishor Padole	CT59 Govind Kulkarni
	CT43	Renuka Kunale	CT60 Surekha Jaiswal
	CT44	Abhishek kakade	CT61 Pankaj Khirade
	CT45	Ashvin Prajapati	CT62 Bhagwan Bongane
	CT46	Shivaniben Patel	CT63 Deepali Andhare
	CT47	Nidhi Tiwari	CT64 Pradip Patil
	CT48	Jayesh Pawar	CT65 Rani Dudhal
	CT49	Munjaji Dudhamal	CT66 Sanjay Gopale
	CT50	Sanjay Ramteke	CT67 Lalit Thakre
	CT51	Poojashri Sutar	CT68 Kanchan Kadam
	CT52	Vikas Jadhavar	CT69 Hemant Varudkar
	CT53	Guruling Todkar	CT70 Tabbsum Mujawar
	CT54	Rohini Shinde	CT71 Vaibhav Bachuwar
	CT55	Vitthal Dhole	CT72 Komal Gomare
	CT56	Swapnil Jadhav	CT73 Prasanna Gavhane
	CT57	Supriya Patade	
36)	0:04pm to 05:00pm	Valedictory Function	Auditorium
37)	05.00pm to 06.00pm	Online Certificate Distribution	--
Fourth Day: Date :- 20 December 2020			
39)	08.00am to 01.00pm	Certificate Posting to participants and Speakers	-



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Cordially Yours



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TECHNICAL PROGRAMME

Time	Event	Meet Link (MICROSOFT TEAMS)
First Day : Date :- 17th December 2020		
09:55am to 10:00am	Online Connectivity to Inaugural function	α-Alpha Meet
10:00am to 10:40 am	Inaugural function	https://teams.microsoft.com/l/meetup-join/19%3a0cddb11e24d34a7c809cd702124e3cdd%40thread.tacv2/1608121617779?context=%7b%22Tid%22%3a%229f2250c0-771c-42ad-ad5c-909b9281220e%22%2c%22Oid%22%3a%22632021fa-067d-4dab-9261-52ecee06e2ed%22%7d
10:40am to 11:40am	Keynote Talk- Prof. Alain Claverie Chair - Prof. Deelip Kuberkar	
12:00pm to 12:30pm	Plenary Talk - Prof. Subhas Mukhopadhyay Chair - Prof. Alain Claverie	
12:30pm to 01:00pm	Plenary Talk - Prof. Ahmed Lakhssassi Chair - Prof. Jamil Akhtar	
01:00pm to 1:30 pm	Lunch break	
01:30pm to 02:00pm	Plenary Talk - Prof. Anand Pathak Chair - Prof. Arvind Shaligram	α-Alpha Meet https://teams.microsoft.com/l/meetup-join/19%3a0cddb11e24d34a7c809cd702124e3cdd%40thread.tacv2/1608121617779?context=%7b%22Tid%22%3a%229f2250c0-771c-42ad-ad5c-909b9281220e%22%2c%22Oid%22%3a%22632021fa-067d-4dab-9261-52ecee06e2ed%22%7d
02:00pm to 02:30pm	Plenary Talk - Prof. Chandrakant Lokhande Chair - Prof. Velloor Mani	
02:30pm to 03:00pm	Plenary Talk - Prof. Mahendra Shirsat Chair - Prof. Subhas Mukhopadhyay	
03:15pm to 05:30pm	Invited and Contributory Talks in (02 parallel sessions)	β and γ Meets
03.15pm to 03.45pm	Invited Talk - Dr. Mahesh Suryawanshi Chair - Dr. Nishad Deshpande	β -Beta Meet https://teams.microsoft.com/l/meetup-join/19%3a0cddb11e24d34a7c809cd702124e3cdd%40thread.tacv2/1608123992476?context=%7b%22Tid%22%3a%229f2250c0-771c-42ad-ad5c-909b9281220e%22%2c%22Oid%22%3a%22632021fa-067d-4dab-9261-52ecee06e2ed%22%7d
03.15pm to 03.45pm	Invited Talk - Dr. Abhijeet Yadhav Chair - Dr. Rajesh Joshi	γ - Gamma Meet https://teams.microsoft.com/l/meetup-join/19%3a0cddb11e24d34a7c809cd702124e3cdd%40thread.tacv2/1608126082218?context=%7b%22Tid%22%3a%229f2250c0-771c-42ad-ad5c-909b9281220e%22%2c%22Oid%22%3a%22632021fa-067d-4dab-9261-52ecee06e2ed%22%7d
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03.45pm to 04.15pm	Invited Talk - Dr. Rajesh Joshi Chair - Dr. Ram Kadam	γ - Gamma Meet https://teams.microsoft.com/l/meetup-join/19%3a0cddb11e24d34a7c809cd702124e3cdd%40thread.tacv2/1608126082218?context=%7b%22Tid%22%3a%229f2250c0-771c-42ad-ad5c-909b9281220e%22%2c%22Oid%22%3a%22632021fa-067d-4dab-9261-52ecee06e2ed%22%7d

Contributory Talk (04.30 pm to 06.30pm) Beta And Gamma Meet

	β -Beta Meet https://teams.microsoft.com/l/meetup-join/19%3a0cddb11e24d34a7c809cd702124e3cdd%40thread.tacv2/1608123992476?context=%7b%22Tid%22%3a%229f2250c0-771c-42ad-ad5c-909b9281220e%22%2c%22Oid%22%3a%22632021fa-067d-4dab-9261-52ecee06e2ed%22%7d	γ-Gamma Meet (04.30pm to 06.30pm) https://teams.microsoft.com/l/meetup-join/19%3a0cddb11e24d34a7c809cd702124e3cdd%40thread.tacv2/1608126082218?context=%7b%22Tid%22%3a%229f2250c0-771c-42ad-ad5c-909b9281220e%22%2c%22Oid%22%3a%22632021fa-067d-4dab-9261-52ecee06e2ed%22%7d	
	Chair.- Prof. Vikas Patil	Chair.- Dr. Sudam Chavan	
CT01	Amol Mandle	CT11	Sarika Jadhav
CT02	Aruna Sudapalli	CT12	Mangesh Awale
CT03	Ashish Itollikar	CT13	Meghana Kasbe
CT04	Balaji Londhe	CT14	Priya Rupanawar
CT05	Balaji Achole	CT15	Sushant Khedgikar
CT06	Ashok Dongare	CT16	Shaila Wagh
CT07	Govind Karhale	CT17	Navinchandra Shimpi
CT08	Jakeer Husain	CT18	Pradeep Gaikwad
CT09	Pandurangarao Kankanala	CT19	Pooja Rani Kuri
CT10	Anil Kalyankar	CT20	Pranjit Kr. Bhuyan



International e-Conference on Material Science and Nanotechnology (e-ICMSN-2020)

(December 17 - 19, 2020)

Sponsored by : (UGC – CPE Sponsored)

:Organized by:

Department of Physics

Dayanand Science College, Latur-413512, Maharashtra, INDIA.



TECHNICAL PROGRAMME

Sr.No.	Time	Event	Meet (MICROSOFT TEAMS)
Second Day: Date :-18th December 2020			
13)	09.55am to 10.00am	Online Connectivity	Registration Desk
14)	10.00am to 10.40am	Keynote Talk – Prof. Deelip Kuberkar Chair - Prof. Govind Bichile	https://teams.microsoft.com/l/meetup-join/19%3a0cddb11e24d34a7c809cd702124e3cdd%40thread.tacv2/1608217610979?context=%7b%22Tid%22%3a%229f2250c0-771c-42ad-ad5c-909b9281220e%22%2c%22Oid%22%3a%22632021fa-067d-4dab-9261-52ecee06e2ed%22%7d
15)	11:00am to 11:30 am	Plenary Talk - Prof. Veloor Mani Chair - Prof. Anand Pathak	https://teams.microsoft.com/l/meetup-join/19%3a0cddb11e24d34a7c809cd702124e3cdd%40thread.tacv2/1608217610979?context=%7b%22Tid%22%3a%229f2250c0-771c-42ad-ad5c-909b9281220e%22%2c%22Oid%22%3a%22632021fa-067d-4dab-9261-52ecee06e2ed%22%7d
16)	11.30am to 12:00pm	Plenary Talk - Prof. Jamil Akhtar Chair - Prof. Chandrakant Lokhande	
17)	12.00pm to 12:30pm	Plenary Talk - Prof. Arvind Shaligram Chair - Prof. Ahmed Lakhssassi	
18)	12.30pm to 01:00pm	Plenary Talk - Prof. Omprakash Chimankar Chair - Prof. Vladimir Pavelyev	
19)	01:00pm to 02:00pm	Lunch break	At Home (COVID-19)
20)	02:00pm to 02:30pm	Plenary Talk - Prof. Rajaram Mane Chair - Prof. Mahendra Shirsat	https://teams.microsoft.com/l/meetup-join/19%3a0cddb11e24d34a7c809cd702124e3cdd%40thread.tacv2/1608217610979?context=%7b%22Tid%22%3a%229f2250c0-771c-42ad-ad5c-909b9281220e%22%2c%22Oid%22%3a%22632021fa-067d-4dab-9261-52ecee06e2ed%22%7d
	02.30pm to 03:00pm	Plenary Talk - Prof. Vikas Patil Chair - Prof. Utpal Joshi	
21)	03.15pm to 05.30pm	Invited and Contributory Talks in (02 parallel sessions)	β and γ Meets
22)	03.15pm to 03.45pm	Invited Talk - Dr. Subimal Majee Chair - Dr. Vijendra Chaudhari	https://teams.microsoft.com/l/meetup-join/19%3a0cddb11e24d34a7c809cd702124e3cdd%40thread.tacv2/1608218287144?context=%7b%22Tid%22%3a%229f2250c0-771c-42ad-ad5c-909b9281220e%22%2c%22Oid%22%3a%22632021fa-067d-4dab-9261-52ecee06e2ed%22%7d
		Invited Talk - Dr. Pradip Sarawade Chair - Dr. Shriniwas Kulkarni	γ - Gamma Meet
23)	03.45pm to 04.15pm	Invited Talk - Dr. Ram Kadam Chair - Dr. Subimal Majee	β -Beta Meets
		Invited Talk - Dr. Sudam Chavan Chair - Dr. Vishwanath Mote	γ - Gamma Meet https://teams.microsoft.com/l/meetup-join/19%3a0cddb11e24d34a7c809cd702124e3cdd%40thread.tacv2/1608220005517?context=%7b%22Tid%22%3a%229f2250c0-771c-42ad-ad5c-909b9281220e%22%2c%22Oid%22%3a%22632021fa-067d-4dab-9261-52ecee06e2ed%22%7d
		β -Beta Meet (04.30pm to 06.30pm)	γ -Gamma Meet (04.30pm to 06.30pm)
		https://teams.microsoft.com/l/meetup-join/19%3a0cddb11e24d34a7c809cd702124e3cdd%40thread.tacv2/1608218287144?context=%7b%22Tid%22%3a%229f2250c0-771c-42ad-ad5c-909b9281220e%22%2c%22Oid%22%3a%22632021fa-067d-4dab-9261-52ecee06e2ed%22%7d	https://teams.microsoft.com/l/meetup-join/19%3a0cddb11e24d34a7c809cd702124e3cdd%40thread.tacv2/1608220005517?context=%7b%22Tid%22%3a%229f2250c0-771c-42ad-ad5c-909b9281220e%22%2c%22Oid%22%3a%22632021fa-067d-4dab-9261-52ecee06e2ed%22%7d
		Chair.- Dr. Rupesh Devan	Chair.- Dr. Nishad Deshpande
CT21	Prashant Kore	CT31	Vinod Kale
CT22	Pritam Borker	CT32	Vrushali Gavhane
CT23	Sandip Rathod	CT33	Snehal Wani
CT24	Shweta Lokhande	CT34	Kiran Chaudhari
CT25	Shashank Sharma	CT35	Sumedh Shakyamuni
CT26	Shrushti Ambulgekar	CT36	Mahesh Kumar Allam
CT27	Someshwar Deshmukh	CT37	Narasimha Murthy Mora
CT28	Swati Kulkarni	CT38	Satish Bainade
CT29	Payal More	CT39	Digambar Kadam
CT30	Lahu Kathwate	CT40	Gajanan Mahajan



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TECHNICAL PROGRAMME

Third Day: Date :- 19th December 2020

Third Day: Date :- 19 th December 2020			
28)	09.55am to 10.00am	Online Connectivity	Registration Desk
29)	10.00am to 10.30 am	Plenary Talk - Prof. Utpal Joshi Chair - Prof. Rajaram Mane	α-Alpha Meet https://teams.microsoft.com/l/meetup-join/19%3a0cd8bb11e24d34a7c809cd702124e3cdd%40thread.tacv2/1608304699601?context=%7b%22Tid%22%3a%229f2250c0-771c-42ad-ad5c-909b9281220e%22%2c%22Oid%22%3a%22632021fa-067d-4dab-9261-52ecee06e2ed%22%7d
30)	10.30am to 11.00am	Plenary Talk - Prof. Vladimir Pavelyev Chair - Prof. Declip Kuberkar	
31)	11:00am to 11:30 am	Plenary Talk - Dr. Rupesh Devan Chair - Prof. Vikas Patil	
32)	11.30am to 12:00pm	Plenary Talk - Prof. Anil Ghule Chair - Prof. Omprakash Chimankar	
33)	12:00pm to 01:00 pm	Lunch break	At Home (COVID-19)
34)	01.00pm to 01:30pm	Plenary Talk - Dr. Pravina Pawar Chair - Dr. Shriniwas Kulkarni	α-Alpha Meet, https://teams.microsoft.com/l/meetup-join/19%3a0cd8bb11e24d34a7c809cd702124e3cdd%40thread.tacv2/1608304699601?context=%7b%22Tid%22%3a%229f2250c0-771c-42ad-ad5c-909b9281220e%22%2c%22Oid%22%3a%22632021fa-067d-4dab-9261-52ecee06e2ed%22%7d
	01.30pm to 02:00pm	Plenary Talk - Dr. Nishad Deshpande Chair - Dr. Rupesh Devan	
	02.00pm to 02:30pm	Invited Talk - Dr. Shriniwas Kulkarni Chair - Dr. Lalit Thakre	β -Beta Meet https://teams.microsoft.com/l/meetup-join/19%3a0cd8bb11e24d34a7c809cd702124e3cdd%40thread.tacv2/1608304979867?context=%7b%22Tid%22%3a%229f2250c0-771c-42ad-ad5c-909b9281220e%22%2c%22Oid%22%3a%22632021fa-067d-4dab-9261-52ecee06e2ed%22%7d
		Invited Talk – Dr. Uzma Bangi Chair – Dr. Tabbsum Mujawar	γ - Gamma Meet https://teams.microsoft.com/l/meetup-join/19%3a0cd8bb11e24d34a7c809cd702124e3cdd%40thread.tacv2/1608305363688?context=%7b%22Tid%22%3a%229f2250c0-771c-42ad-ad5c-909b9281220e%22%2c%22Oid%22%3a%22632021fa-067d-4dab-9261-52ecee06e2ed%22%7d
		β-Beta Meet (02.30pm to 04.00pm) https://teams.microsoft.com/l/meetup-join/19%3a0cd8bb11e24d34a7c809cd702124e3cdd%40thread.tacv2/1608304979867?context=%7b%22Tid%22%3a%229f2250c0-771c-42ad-ad5c-909b9281220e%22%2c%22Oid%22%3a%22632021fa-067d-4dab-9261-52ecee06e2ed%22%7d	γ-Gamma Meet (02.30pm to 04.00pm) https://teams.microsoft.com/l/meetup-join/19%3a0cd8bb11e24d34a7c809cd702124e3cdd%40thread.tacv2/1608305363688?context=%7b%22Tid%22%3a%229f2250c0-771c-42ad-ad5c-909b9281220e%22%2c%22Oid%22%3a%22632021fa-067d-4dab-9261-52ecee06e2ed%22%7d
		Chair- Dr. Rajesh Joshi	Chair.- Dr. Pravina Pawar

		CT41 Yogesh Rasal CT42 Nandkishor Padole CT43 Renuka Kunale CT44 Abhishek kakade CT45 Ashvin Prajapati CT46 Shivaniben Patel CT47 Nidhi Tiwari CT48 Jayesh Pawar CT49 Munjaji Dudhamal CT50 Sanjay Ramteke CT51 Poojashri Sutar CT52 Vikas Jadhavar CT53 Guruling Todkar CT54 Rohini Shinde CT55 Vitthal Dhole CT56 Swapnil Jadhav	CT57 Supriya Patade CT58 Rahul Chilwar CT59 Govind Kulkarni CT60 Surekha Jaiswal CT61 Pankaj Khirade CT62 Bhagwan Bongane CT63 Deepali Andhare CT64 Pradip Patil CT65 Rani Dudhal CT66 Sanjay Gopale CT67 Lalit Thakre CT68 Kanchan Kadam CT69 Hemant Varudkar CT70 Tabbsum Mujawar CT71 Vaibhav Bachuwar	
36)	0:04pm to 05:00pm	Valedictory Function	https://teams.microsoft.com/l/meetup-join/19%3a0cddb11e24d34a7c809cd702124e3cdd%40thread.tacv2/1608305793912?context=%7b%22Tid%22%3a%229f2250c0-771e-42ad-ad5c-909b9281220c%22%2c%22Oid%22%3a%22632021fa-067d-4dab-9261-52ecee06e2ed%22%7d	
37)	05.00pm to 06.00pm	Online Certificate Distribution	On Microsoft Teams	

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International e-Conference on Material Science and Nanotechnology (e-ICMSN-2020)

December 17-19, 2020
Sponsored by : UGC-CPE



: Organized by :
Department of Physics
Dayanand Science College, Latur
: Affiliated to :
Swami Ramanand Teerth Marathwada University, Nanded
Maharashtra (India)



Dear colleagues,
It gives us immense pleasure to invite you to participate in the online International Conference on Material Science and Nanotechnology (e-ICMSN-2020). All academicians and researchers in the branches of Physics, Chemistry, Material Science, Nano material, Applied Engineering and other Interdisciplinary subject are kindly requested to submit original abstract for presentation. For more information about the guidelines, please check the website <http://www.dscslatur.org/ICMSN2020/>

Objectives:
The main aim of International conference on "Material Science & Nanotechnology" (e-ICMSN-2020) is organized to bring together all technologists, scientists, professors, research scholars and students to promote interaction to review new challenges in the fields of physics, chemistry, materials science and technology. The objectives of this conference series are to provide an interdisciplinary forum for Scientists, Engineers, Technologists and Industrialists engaged in the full spectrum of research, development, application and to discuss the current status and recent developments of these materials. In addition, the conference will provide excellent opportunities to review the recent development and technological applications covering wide range of topics. Themes have been selected to accommodate wide range of interests to facilitate interdisciplinary interactions in academic fields and technology / industry. The conference will mainly focus on new opportunities, challenges as well as risks in the field of materials science and nanotechnology. The theme of the conference will help delegates from colleges, Universities, Scientists from research institutes to update their knowledge. Also, this conference will provide an importance for research in this exciting field of science. The scientific program will consist of keynote speakers, plenary sessions (invited talks) and oral presentations.

- Themes of Conference :**
- 1) Functional Oxides and Ceramics.
 - 2) Nanomaterials, Q-dots, Nanowires, Graphene
 - 3) Thin film & devices for practical applications.
 - 4) High-Tc Superconductor, Multiferroic, Manganites, Diluted Magnetic Semiconductors.
 - 5) Ferrites & Magnetic oxides
 - 6) Dielectric and Ferroelectric Materials and devices
 - 7) Gas and Magnetic Sensors
 - 8) Solar Cells, Ionic Conductor, Thermoelectric Materials.
 - 9) Advanced Materials Characterization Techniques using Synchrotron radiation.
 - 10) Optical Spectroscopy Study
 - 11) Nanoferrites, Microscopy.
 - 12) Green Energy Conservation and Environments.
 - 13) Modeling and Simulation
 - 14) Nanobiotechnology
 - 15) Green synthesis
 - 16) Organic Synthesis
 - 17) Medicinal Chemistry.
 - 18) Polymers.
 - 19) Glass and Glass Ceramics.
 - 20) Ultrasonic and Acoustics.
 - 21) Mathematical Physics.
 - 22) Energy Harvesting
 - 23) Wireless Sensing Networks
 - 24) Nano Electronics
 - 25) Bio- MEMS.
 - 26) Nano Materials
 - 27) Artificial Neural Network.
 - 28) Optical Spectroscopy Study
 - 29) Microscopy.

Contact : Dr. V. A. Chaudhari (Convener e-ICMSN2020)
Department of Physics, Dayanand Science College, Latur.
Email: icmsn2020@gmail.com, vicndra333@gmail.com, www.dscslatur.org
Phone :- +91 9890309211, +91 9403970550, +91 2382-222929



About Institution:
Dayanand Education Society is one of the oldest educational institution which was established in 1961. The motto of institute is "आनंदात् प्रकृतेः सुखं तदितः" "Let the noble thoughts come to us from all the directions of the universe. In the campus of Dayanand Education Institute there are six different Colleges imparting education from Junior to Senior College level to 15,000 students. In this Institute, about 800 teaching and non-teaching staff who constantly strive hard to achieve the mission and goals of the Society. The modest beginning was the foundation of Dayanand College of Arts, Science and Commerce in the year 1961. In 1964, the inclusion of (late) Shri. Manikraoji Sonvane and (late) Shri. Raja Narayanlalji Lahoti in the Governing Board of the Society in 1964 gave tremendous impetus for the development of the Society. The institution has now made such a rapid progress with the establishment of three separate single faculty colleges run by the Society. The institution has bagged many State and National awards. Recently, the Institution celebrated Golden Jubilee and organized different programmes. His Excellency **Hon. Pranab Mukherjee, the President of India**, solicited his presence at the closing ceremony of the programme. The institute has gone far ahead, yet it aspires to further in each and every academic year.

About The College :
Dayanand Science College, Latur, is unique, first oldest and the finest single faculty college in the region of Marathwada, pursuing excellence in science education with several branches. Dayanand Science College became independent in 1967. The College not only provides education in basic and applied subjects, but also pays attention to the current innovative approaches towards the higher education. The college has 13 subject combinations for UG programs, 07 PG programs, 05 Research centers and 04 COP Programs. The Research centers have collaboration with the research centers and scientists of the various countries, such as USA, Korea, Switzerland, Poland, Greece, Malaysia, Romania, Oman, Thailand and Singapore etc. Due to the quality education, the college received different National and International awards and schemes. In the year 2017, our institution received Shahu-Phule-Ambedkar Award by Maharashtra State Government. In 2013, the college received DST-FIST recognition. In the year 2014, College had been awarded "A" grade in NAAC Accreditation 2nd cycle with CGPA 3.14 out of 4.00. In the year 2015, College received Best College (Urban) Award from SRIM University, Nanded. In the year 2016, College has been awarded "College with Potential for Excellence Award (CPE)" by UGC and able to receive grant of Rs. 5 Crores in three phases. Our Principal Dr. J.S. Dargad has been recently awarded by "Best Principal Award" by SRIM University, Nanded. The college is well known about the development of "Latur pattern of Education" in the state of Maharashtra for the meritorious pattern. In last five years college organized 17 INSPIRE Camps and 5 refresher courses under the co-ordination of Former Principal R.H. Ladda. Our College organized 1 International, 18 National, 12 State / Regional conferences and workshops.



About the Department:
Dayanand Science College is the oldest and one of the few single faculty science colleges in the Marathwada Region. The Department of Physics was one of the first independent departments formed in DSCL. It was established in the year 1961. The department has major contribution in the development of the college. Department of Electronics and Department of Computer Science were established under the umbrella of this department in 1978 and 1999 respectively. The Department of Physics is the prominent department in SRTM University, Nanded for UG, PG and Ph.D. level programs. This department has active research center which is in collaboration with various National and International research centers. The faculty members of this department have given invited talks in the international conferences in different countries like Switzerland, Dubai, Malaysia & Paris. In the last five years, the department has organized seminars for UG and PG students. The Department organized 18 National workshop for the faculty & PG & research students were presented their research work in various National & International conferences. Department has well equipped research laboratory and PC, Internet and Softwares. The various research guide from different colleges were collaborated and they are working in our research centre.

Abstract / Paper Submission :
The original unpublished abstracts are invited for presentation in the conference. An abstract consisting of maximum 400 words and typed in MS Word (Times New Roman, justified, font size 12). Abstract must contain title, authors name and their affiliation (Department, Institution name, City, Country). Accepted abstract will be notified via email to the corresponding author. The abstract will be published in abstract book of the conference. The abstracts may kindly be sent to the convener by email: icmsn2020@gmail.com <https://forms.gle/2VnGd0BVKwSwJq6>

Important Dates	
Registration & Submission of Abstract Deadline	30 November 2020
Notification of Abstract Acceptance	2 days after submission of abstract
Early Registration & Payment Deadline	30 November 2020
Duration of ICMSN-2020	17 - 19 December 2020

: Registration fees :				
S.N.	Particulars	Participation	Participation with Presentation	Last Date of Submission
1.	Foreign Delegates	USD 20/-	USD 25/-	30 November 2020
2.	Faculty Members	Rs. 500/-	Rs. 700/-	30 November 2020
3.	Research Scholars	Rs. 300/-	Rs. 400/-	30 November 2020
4.	PG Students	Rs. 200/-	Rs. 300/-	30 November 2020

The registration fees may be paid online (Google pay / Paytm / Phone pay / Internet Banking on the Account of "Principal, Dayanand Science College, Latur" Bank Name : Bank of Maharashtra, MUMC Branch, Latur. Bank Name : Bank of Maharashtra, MUMC Branch, Latur. Account No. : 60299773867, IFS Code : MAHB0000928, MICR No. : 413014901

- Note:**
- 1) The hard copy of the certificate of conference will be posted on registered address of participants.
 - 2) The hard copy of the certificate and memento will be posted on registered address of speakers.



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