

## ACT Research Convention 2021



### International E-Conference on Sustainable and Futuristic Materials (SFM-2021)

Organized by

**International Research Centre and Department of Chemistry,  
Kalasalingam Academy of Research and Education, Krishnankoil**

Gondia Education Society's

**Department of Chemistry, J. M. Patel Arts, Commerce and Science College, Bhandara**

Re-accredited 'B' Grade by NAAC, Awarded the Status of 'College with Potential for Excellence' by UGC (Phase II)

Awarded Star College Scheme by DBT of GOI

And

Amar Sewa Mandal's

**Department of Chemistry, Kamla Nehru Mahavidyalaya, Nagpur**

(Reaccredited A+ grade with CGPA of 3.53)

- DATE :-

**29<sup>th</sup> & 30<sup>th</sup>**  
November, 2021

-: TIME :-

2 pm to 5 pm

#### Association of Chemistry Teachers

Association of Chemistry Teachers (ACT), established in 2000 completed 20 years of dedicated service to the academic community. ACT is at the forefront of innovation in Chemistry education through its manifold activities-national and international conferences, symposia and training workshops for teachers, students, researchers and industry chemists. The annual National Convention of Chemistry Teachers (NCCT), Concept test in Chemistry for undergraduate students, Research convention, Celebration of National Chemistry Day on December 10 and publication of a newsletter are some of the regular activities. Chemistry Popularization workshops have been organized in collaboration with Royal Society of Chemistry, London, UK and DST, New Delhi. ACT is involved in the Indian National Chemistry Olympiad programme and gives academic support to a peer reviewed Chemistry journal, GP Globalize Research Journal of Chemistry (ISSN 2581 5911) Website: [www.associationofchemistryteachers.org](http://www.associationofchemistryteachers.org) / Research Convention focusing Research aspects for Post graduate students, research Scholars and faculty members through a series of webinars was started in 2020, to celebrate the two decades of dedicated service of ACT and continued this year also. In this ACT Research Convention series, an international Conference on "Sustainable and futuristic materials" is jointly organized by Kalasalingam Academy of Research and Education, Krishnankoil, J. M. Patel College, Bhandara and Kamala Nehru Mahavidyalaya, Nagpur.

#### About Kalasalingam Academy of Research and Education (KARE)

Kalasalingam Academy of Research and Education (KARE) formerly Arulmigu Kalasalingam college of Engineering was established in year-1984 by great Philanthropist and altruist Kalvivalaliru T. Kalasalingam. KARE is located at the pristine foothills of scenic Western Ghats, in Krishnankoil, 10 KM. North of Srivilliputtur, an ancient town of religious significance. The college obtained the Deemed to be status in 2006. The Institution has been serving the society for Thirty six long years and it caters to the needs of the students from all walks of the society. KARE offers UG programmes, PG programmes and Ph.D., programmes. It is the first Institution in India to introduce a special B. Tech., programme in engineering for the differently abled (speech and hearing impaired) students. The Institution has been re accredited by NAAC with 'A' grade The University has signed MoUs with a number of Universities and Institutes worldwide for research collaborations and for faculty students exchange programmes. In nirfranking, KARE has attained 50th rank in the university category.

KARE has got the state of the art International Research Centre (IRC) with splendid high end instruments for advanced research in material sciences and life sciences. Training programs and workshops are being organized regularly for research scholars in the focused areas of materials characterization and analysis. This centre caters the needs of the research students and faculties of other educational institutions in addition. It has received DST funding to establish the National Center for Advance Research in Discrete Mathematics. The Department of Chemistry, Kalasalingam Academy of Research and Education (Deemed to be University), one of the oldest departments of the University offers B.Sc., M.Sc., M. Phil. and Ph.D., programmes in Chemistry. The faculties of the Department are highly competent, intellectual and devoted. They are not only involved in teaching but also in advanced research. The Department has well equipped research laboratories, internet and library facilities which lead to pour innovative ideas to the students.

#### Kamla Nehru Mahavidyalaya, Nagpur

Kamla Nehru Mahavidyalaya, a renowned educational institute was established in 1983 by founder President Late Shri Govindraoji Wanjari for the noble mission of imparting knowledge. The college is forging ahead under the dynamic leadership of President Dr. Smt. Suhasini Wanjari and the Secretary of Amar Sewa Mandal Adv. Abhijit Wanjari. The college has been re-accredited with A+ by NAAC, Bangalore with CGPA of 3.53.

The institute has catered to the needs of diversified learners with reference to running several courses in Faculty of Science, Commerce, Arts and Management studies at Undergraduate, Postgraduate and Doctoral levels. The College has Ph.D., programmes in Chemistry, Physics, Electronics, Computer science, Mathematics and Commerce with more than 300 research publications in refereed National and International Journals. The College has also been associated with several International Universities like University of Huddersfield UK, University of Cambridge, International Network for Quality Assurance Agencies in Higher Education (INQAHE) and Asia Pacific Quality Network (APQN).

**E-Certificate will be provided to all the participants on submission of Feedback form.**

## J. M. Patel Arts, Commerce & Science College, Bhandara

After making a modest beginning in 1964, Gondia Education Society's J. M. Patel College, Bhandara, has since grown into a huge, prestigious and reputed seat of learning not only in Vidarbha, but in the entire state. Presently we offer several undergraduate and post graduate courses in the faculties of Humanities, Commerce and Management and Science & Technology. Good academic environment, excellent infrastructure, highly qualified and dedicated staff - all these features make the institution a premier seat of learning. This fact has been recognized by the NAAC also. The college has been awarded the status of College with Potential for Excellence' (Phase II) by the University Grants Commission, New Delhi. The college has been recognised as 'Centre for Higher Learning and Research' by the Rashtrasant Tukdoji Maharaj University, Nagpur. With a rich legacy of more than five decades, the institution has always remained true to its mission of providing equitable access to education to the socially and financially challenged sections of the society.

### -: EMINENT SPEAKERS :-



**Dr. M V Reddy**

Institute of Research Hydro-Québec  
Centre of Excellence in Transportation  
Electrification and Energy Storage  
(CETEES) Canada



**Prof. Sreekanth B Jonnalagadda**

Senior Professor of Chemistry,  
School of Chemistry & Physics,  
Westville Campus, University of  
KwaZulu-Natal, Durban, South Africa.



**Prof. Dalila Hammiche**

Laboratoire Des Matériaux Polymères  
Avancés Université Abderrahmane  
Mira-Bejaia Route de Targa  
Ouzemour, Algérie



**Dr. Chinnakonda S. Gopinath**

Outstanding Scientist,  
National Chemical Lab.,  
Pune



**Prof. B. Neppolian**

Professor & Dean (Research)  
SRM Research Institute & Technology,  
SRM University, Chennai, India

### INVITATION

It gives us immense pleasure to invite you for participation in two days International Conference on "Sustainable Futuristic Materials" (SFM-2021) to be held virtually during 29th-30th November 2021 organized by International Research Centre and Department of Chemistry, Kalasalingam Academy of Research and Education, Krishnankoil in collaboration with Department of Chemistry J. M. Patel College, Bhandara & Department of chemistry Kamala Nehru Mahavidyalaya, Nagpur.

### ABOUT CONFERENCE

It is a platform to share latest and innovative ideas with peers and senior group of people by eminent personalities from different part of the world. This conference of two days will give valuable insights not only in chemistry but physical, biological and material sciences along with Industry-Academia Interaction. The researchers can expand their knowledge through poster and oral presentations

### Theme of Conference

Material Science	Green Chemistry	Sustainable Environment
Polymer Science	Organometallic Chemistry	Photochemistry
Catalysis	Bioinorganic Chemistry	Biotechnology
Organic Synthesis	Supramolecular Chemistry	Applied Sciences
Coordination Chemistry	Agrochemistry	Life Sciences
		Luminescent materials

### Registration Link-

<https://forms.gle/JFYKZXBdsPyHVfZA>

Participant Profile	Indian Delegates	International Delegates
Only Attendees	Nil	Nil
Presentation fees (Presentation has to be done by only one participant) (Oral/ Poster)	Rs. 200	\$50
Publication Charges of selected papers in Peer reviewed journal with high Impact Factor Publication	Rs. 500	\$50
Few selected papers will be published in SCOPUS, Web of Science and UGC CARE listed journals.		

### Bank Account Details (NEFT / RTGS) Fees payable online by NEFT only

Name : Wasudeo Balaji Gurnule  
Account No. : 51110629116  
Bank Name : State Bank of India  
Branch Name : Besa, Nagpur  
IFSC Code : SBIN0070875

Date of Submission of Abstract: 25th November 2021.  
Date of Submission of Full length paper : 26th November 2021.

#### FOR ANY QUERIES CONTACT

Dr. W. B. Gurnule - wbgurnule@gmail.com, 9096672499  
Dr. S. W. Dafare - s\_dafare@rediffmail.com, 9422833877  
Mr. Y. U. Rathod - yashpalrathod2012@gmail.com, 9326145861

### Call for Abstract / Papers

Interested researchers (Students/Faculty/Scientists/Research Scholar) working in the theme area of conference may send their original research work in the form of abstracts not exceeding 250 words in MS-word. Authors should send abstract for oral and poster presentation on following email id separately

Poster-Presentation  
[sunilzanje@gmail.com](mailto:sunilzanje@gmail.com)

Oral-presentation  
[saminatadavi30@gmail.com](mailto:saminatadavi30@gmail.com)

For full length article  
[ajay.ghatole5@gmail.com](mailto:ajay.ghatole5@gmail.com)

## Paper Submission Guidelines

- Papers are invited on Sustainable Futuristic Materials in multidisciplinary areas of Chemistry, Physics & Biology.
- Papers shall be typed only in word format Times New Roman, Font size 12 and lines pacing 1.5 with 1" margin on all sides.
- Paper should not exceed 2500 words (including abstract) & pages of A4 size paper (including graphs, tables and appendices).
- The beginning of the paper should contain the following information at the top- Title of the paper, Author's name, Institution name and address, Email-ID and contact number.
- References should be in IEEE style.
- Authors have to abide by UGC prevention of plagiarism norms with maximum acceptable level of similarity of 10%.
- The author shall give a letter of undertaking regarding the originality of the paper written.
- Abstract & full length paper shall be sent on Email ID: ajay.ghatole5@gmail.com
- Author & Co-author have to register separately.
- Authors can send the recorded videos of their presentation in advance, if unable to present in virtual conference due to any unavoidable reason.

### Chief Patrons

<b>Hon'ble Dr. Suhasini Wanjari</b> President Amar Sewa Mandal	<b>Hon'ble Adv. Abhijit Wanjari</b> MLC & Secretary Amar Sewa Mandal	<b>Hon'ble Shri Rajendra Jain</b> Secretary Gondia Education Society	<b>Dr. K. Sridharan</b> Chancellor	<b>Dr. S. Shasi Anand</b> Vice president	
<b>Prof. Brijesh Pare</b> President, ACT	<b>Hon'ble Shri Nikhil R. Jain</b> Director Gondia Education Society	<b>Prof. D. V. Prabhu</b> General Secretary	<b>Dr. R. Nagaraj</b> Vice Chancellor	<b>Hon'ble Dr. Smeeta Wanjari</b> Treasurer Amar Sewa Mandal	<b>Dr. V. Vasudevan</b> Registrar

### Organizing Chairs

**Dr. Seshdri Srinivasan**  
Director, IRC

**Dr. Dattatri K Nagesha**  
Dean, School of Advanced Sciences, KARE.

### International Advisory Committee

**Dr. Narsingh B. Singh**, Baltimore USA  
**Prof. B. K. Deshmukh**, Midland USA  
**Dr. Mukund S. Chorghade**, USA  
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**Prof. Bernhard Middendorf**, University of Kassel, Germany  
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**Prof. Klaus Kümmerer**, Leuphana University Lüneburg, Germany  
**Prof. Sónia Carabineiro**, New University of Lisbon, Portugal

### National Advisory Committee

<b>Prof. R. S. Mali</b>	<b>Prof. K. S. Vajpai</b>
<b>Prof. N. S. Gajbhiye</b>	<b>Prof. A. K. Singh</b>
<b>Prof. A. S. Aswar</b>	<b>Dr. Navinchandra Shimpi</b>
<b>Dr. Hemant Pande</b>	<b>Prof. M. K. Lande</b>
<b>Prof. S. P. Prasad</b>	<b>Dr. V. S. Shrivastava</b>
<b>Prof. H. D. Juneja</b>	<b>Dr. Pravin Singare</b>
<b>Prof. N. N. Karde</b>	

### Local Organizing Committee

<b>Dr. Girdharilal Tiwari</b>	<b>Dr. Samina Tadavi</b>
<b>Dr. Sunil Zanje</b>	<b>Dr. Sudesh Ghoderao</b>
<b>Dr. Ajay Ghatole</b>	<b>Dr. U. C. Jain</b>
<b>Prof. S. M. Gadegone</b>	<b>Dr. M. S. Wagh</b>

### Organizers

**Dr. V. P. Dhomne**  
Principal  
J. M. Patel Arts, Commerce &  
Science College, Bhandara

**Dr. D. S. Badwaik**  
Principal  
Kamla Nehru Mahavidyalaya,  
Nagpur

**Prof. M. Swaminathan**  
Convenor  
SFM-2021

**Dr. Rakhi Gupta**  
National Convenor

**Dr. N. Selvapalam**  
Co-convenor  
SFM-2021

**Dr. S. W. Dafare**  
Co-convenor  
SFM-2021

**Prof. W. B. Gurnule**  
Organizing Secretary  
SFM-2021

**Mr. Yashpal Rathod**  
Joint Secretary  
SFM-2021