

Rayat Shikshan Sanstha's  
**S. M. Joshi college Hadapsar,Pune-28**  
**Department of Chemistry**  
**2021-2022**  
Organized  
**One Day International Conference on**

**NEW HORIZONS OF NANOSCIENCE & ENERGY RESOURCES (NHNER-2022).**

On March 26<sup>th</sup>, Department of Chemistry organized One Day International Conference on **NEW HORIZONS OF NANOSCIENCE & ENERGY RESOURCES (NHNER-2022).**

The conference was open to all teachers and students from all around the world. More than 500 candidates had registered and more than 269 students, faculties and researchers from science and technology were participated online and offline as well.

The main aim of this conference was to understand the new inventions in nanoscience from different resources from different countries.

For inaugural ceremony **Hon. Dr. Bharat B. Kale** (Director, C-MET, Pune) was chief guest where as **Hon. Dr. Nishad Deshpande**, Dean (R and C), III T, surat, was on presidential chair. Welcome and introduction of guest was given by Hon. Prin. Dr. Chandrakant Khilare and vote of thanks of inaugural ceremony was expressed by Dr. Malhari Raste.

The chief guest of inaugural ceremony Hon. Dr. Bharat B. Kale expressed his thoughts about applications of nano materials. The presidential speech was delivered by president of ceremony Hon. Dr. Nishad Deshpande.

First resource person of the event was **Dr. Nguyen Truong** (Research Professor, in Chemical Engineering, Yeugnam University, Republic of Korea) presented the talk on physics of “quantum dots “and “band gap” energy.

Second resource person was **Hon. Prof. Dr. G. B. Kolekar**, Professor, Fluorescence Spectroscopy Research Laboratory, Department of Chemistry, Shivaji University.

Third resource person was **Hon. Dr. Mohaseen S. Tamboli** (Research Professor, Korea Institute of Energy Technology (KENTECH), Republic of Korea).

Fourth session was delivered by the resource person **Hon. Dr. Linh Nguyen** (Lecturer in

Biomaterials and Allied Subjects, Eastman Dental Institute (EDI), UCL, UK) who touch the minds of youngsters by her work that she presented on PowerPoint.

India has many scientists in various fields and great thing is that various departments such as chemistry and many more from S .M. Joshi College have offer various international level activity through webinars, conference, etc. to discuss and to find the solution for world challenging issue.”

After all the sessions examination of oral and posters was examined by different examiners.

The chief guest at the valedictory function was **Prof. Dr. Pramod P. Mahulikar** (Former Pro-vice chancellor, Sr. Prof. and Head Department of Industrial Chemistry, School of chemical science, KBC, NMU, Jalgaon) delivered the speech on this contribution in nanoscience. He also stated that innovative research in the field of nanoscience should be done for the progress of our country. The research done by researchers from all over the world in the field of nanoscience is very useful and informative.

President of valedictory function was **Hon. Prof. Dr. Vaishali S. Shinde** (Department of Chemistry Savitribai Phule Pune University), has expressed her views and appreciated resources done by the scientist and also she mention that she is very graceful to be student of chemistry.

The results of online oral/ poster competition were announced by the Head, Dr. Gajanan Wagh. After the thanks giving program of the conference by HOD, Dr. Gajanan Wagh, inauguration of posters open to all done by Hon. Prof. Dr. Vaishali S. Shinde (Department of Chemistry Savitribai Phule Pune University).

<p style="text-align: center;"><b>Key speakers</b></p> <p><b>Hon. Dr. Linh Nguyen</b> Lecturer in Biomaterials &amp; Allied Subjects, Eastman Dental Institute (EDI), UCL, UK.</p> <p><b>Hon. Dr. Nguyen Truong</b> Research Professor in Chemical Engineering, Yeungnam University, Republic of Korea.</p> <p><b>Hon. Dr. Mohaseen S. Tamboli</b> Research Professor, Korea Institute of Energy Technology (KENTECH), Republic of Korea.</p> <p style="text-align: center;"><b>Advisory Committee</b></p> <p><b>Hon. Prof. Dr. Nitin Karmalkar</b> Vice Chancellor, SPPU, Pune.</p> <p><b>Hon. Prof. Dr. D. T. Shirke</b> Vice Chancellor, Shivaji University, Kolhapur.</p> <p><b>Hon. Prof. Dr. Manohar Chaskar</b> Dean, Sci. &amp; Tech., SPPU, Pune.</p> <p><b>Hon. Prof. Dr. P. P. Mahulikar</b> Director, School of Chemical Sciences, North Maharashtra University, Jalgaon.</p> <p><b>Hon. Prof. Dr. Avinash Kumbhar</b> Head, Department of Chemistry, SPPU, Pune.</p> <p><b>Hon. Dr. Nishad Deshpande</b> Dean (R &amp; C), IIT, Surat.</p> <p><b>Hon. Prof. Dr. YoungPak Lee</b> Distinguished Professor, Hanyang University, Seoul, South Korea.</p> <p><b>Hon. Dr. Sachin Rondiya</b> Post Doctoral Fellow, Imperial College, London, UK.</p> <p><b>Hon. Dr. Subhash Chandra Bhattacharya</b> Sr. Prof., Dept. Of Chemistry, Jadavpur University, Kolkata.</p> <p><b>Hon. Dr. Bapurao Shingate</b> Asst. Prof., Dr. B. A. M. University, Aurangabad</p>	<p style="text-align: center;"><b>Organizing Committee</b></p> <p style="text-align: center;"><b>Chief Patron</b> <b>Padmavibhushan Hon'ble Shri Sharadraoji Pawar</b> President, Rayat Shikshan Sanstha, Satara</p> <p style="text-align: center;"><b>Patron(s)</b></p> <p><b>Hon. Shri. Chetandada Tupe</b> Vice President, Rayat Shikshan Sanstha, Satara &amp; MLA</p> <p><b>Hon. Dr. Anil A. Patil</b> Chairman, Rayat Shikshan Sanstha, Satara</p> <p><b>Hon. Prin. Dr. Vitthal Shivankar</b> Secretary, Rayat Shikshan Sanstha, Satara</p> <p><b>Hon. Prin. Dr. K. G. Kanade</b>      <b>Hon. Prin. Dr. G. A. Thakur</b> Annasaheb Awate College, Manchar.      Mahatma Phule College, Panvel.</p> <p><b>Hon. Prin. Dr. M. M. Rajmane</b>      <b>Hon. Prin. Dr. S. T. Salunkhe</b> S. G. M. College, Karad (Autonomous).      Dahewadi College, Dahewadi.</p> <p style="text-align: center;"><b>Principal</b> <b>Dr. Chandrakant Khilare</b> S. M. Joshi College, Hadapsar, Pune</p> <p style="text-align: center;"><b>Organizing Secretary</b> <b>Dr. Gajanan Wagh</b> Head, Department of Chemistry</p> <p><b>Convener</b>      <b>Co-convener</b> <b>Dr. Ranjana Jadhav</b>      <b>Mr. Amol Pawar</b></p> <p><b>Co-ordinator</b>      <b>Co-ordinator</b> <b>Prof. Shakuntala Sawant</b>      <b>Dr. Malhari Raste</b></p> <p style="text-align: center;"><b>Treasurer</b> <b>Mr. Pradeep Jadhav</b></p> <p style="text-align: center;"><b>Local advisory committee</b></p> <table border="0"> <tr> <td>Mr. Ramesh Gawade</td> <td>Mr. Sachin Shinde</td> </tr> <tr> <td>Dr. Ashvini Gaikwad</td> <td>Ms. Monika Shelake</td> </tr> <tr> <td>Ms. Madhuri Tupe</td> <td>Dr. Sunayna Pawar</td> </tr> <tr> <td>Ms. Swaranjali Hirve</td> <td>Ms. Rupali Murade</td> </tr> <tr> <td>Ms. Priyanka Bhalerao</td> <td>Mr. Prasad Walimbe</td> </tr> <tr> <td>Mr. Dada Sangale</td> <td>Ms. Priyanka K. S.</td> </tr> <tr> <td>Mr. Akshay Dimble</td> <td>Mr. Aniket Bendale</td> </tr> <tr> <td>Ms. Priyanka Kate</td> <td>Ms. Harshada Bobade</td> </tr> </table>	Mr. Ramesh Gawade	Mr. Sachin Shinde	Dr. Ashvini Gaikwad	Ms. Monika Shelake	Ms. Madhuri Tupe	Dr. Sunayna Pawar	Ms. Swaranjali Hirve	Ms. Rupali Murade	Ms. Priyanka Bhalerao	Mr. Prasad Walimbe	Mr. Dada Sangale	Ms. Priyanka K. S.	Mr. Akshay Dimble	Mr. Aniket Bendale	Ms. Priyanka Kate	Ms. Harshada Bobade	<div style="text-align: center;">     </div> <div style="display: flex; justify-content: space-around; align-items: center;">   </div> <p style="text-align: center;"><b>S. M. Joshi College, Hadapsar, Pune-28</b> <b>Maharashtra, India</b></p> <p style="text-align: center;"><b>International Conference on</b> <b>NEW HORIZONS OF NANOSCIENCE &amp;</b> <b>ENERGY RESOURCES (NHNER-2022)</b></p> <p style="text-align: center;"><b>26<sup>th</sup> March 2022</b></p> <p style="text-align: center;">(Affiliated to Savitribai Phule Pune University, Pune I.D.No. PU/PN/SC/069/1986 (Estd.1986))</p> <p style="text-align: center;"><b>E-mail : <a href="mailto:smjoshicollege@gmail.com">smjoshicollege@gmail.com</a></b></p> <p style="text-align: center;"><b>Organized by</b> <b>Department of Chemistry</b></p> 
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<p style="text-align: center;"><b>About our parent institution</b></p> <p>The Rayat Shikshan Sanstha was established by Padmabhushan Dr. Karmaveer Bhaurao Patil in the year 1919 with the motto 'Education through Self-Help'. The Rayat Shikshan Sanstha is one of the leading educational institutions in Asia. The value of its contribution to education is to lay emphasis on the education of the down-trodden, deprived class and from remote area. Dr. Karmaveer Bhaurao Patil wanted to inculcate the dignity of labour among the students along with the social, spiritual, cultural and human values. He was a visionary who knew education only can eradicate all the social evils. So he established the schools, colleges in inaccessible area which was neglected by the educationists. The number of branches of Rayat Shikshan Sanstha reflects his vision and mission being translated into reality. He brought many promising children to Sanstha and shaped their lives to be the dignity in the society through providing facilities for further studies in abroad. Hence by nurturing the values of self help and dignity of labor, the mission statement is reflected.</p> <p style="text-align: center;"><b>About our College</b></p> <p>S. M. Joshi College was established on 1st June 1986 which is run by the Rayat Shikshan Sanstha, Satara. It is accredited with 'A' grade by NAAC twice over. College is Grant-in-Aid Co-Education College affiliated to Savitribai Phule Pune University, Pune -07 with more than 60% of girl students. Though it is situated in urban area but the students are from semi-rural and rural background. They are from diverse strata of society. College serves multi-disciplinary fields of higher education. The college has UG and PG courses with Ph.D. programs in Chemistry &amp; Marathi. College has research culture, different consultancies, and extension activities as well. Overall, the college maintains consistent excellent record in academics, co-curricular, sports, cultural &amp; community services at front. College has center for Invention, Innovation and Incubation (CII) for entrepreneurship development. For more information about college please visit our website <a href="http://smjoshicollege.com">http://smjoshicollege.com</a></p>	<p style="text-align: center;"><b>Themes of the Conference</b></p> <ul style="list-style-type: none"> <li>➤ Nanoscience &amp; nanotechnology</li> <li>➤ Nanomedicine and nanotoxicology</li> <li>➤ Bio nanoparticles: synthesis &amp; characterization</li> <li>➤ Environmental Chemistry and nanotechnology</li> <li>➤ Nanomicrobiology</li> <li>➤ Nanobiotechnology &amp; applications</li> <li>➤ Opto Electronic materials</li> <li>➤ Polymer Science &amp; nanotechnology</li> <li>➤ Catalysis &amp; Photocatalysis</li> <li>➤ Material science &amp; Engineering</li> <li>➤ Metal Organic Frame work</li> <li>➤ Molecular Electronics and nanomaterials</li> <li>➤ Advanced energy materials and applications</li> </ul> <p style="text-align: center;"><b>Registration Details</b></p> <p><b>Registration Fees:</b> Student Participants for oral/poster presentation: ₹. 250/- Faculty &amp; Research Scholars for oral/poster presentation: ₹. 500/- Foreign delegates: \$ 25/- Accepted Full Length Paper for publication: ₹. 3000/- For registration: <a href="https://forms.gle/useBbs5Y5nj4dZ2X6">https://forms.gle/useBbs5Y5nj4dZ2X6</a> *No registration fee for virtual attendance</p> <p><b>For queries regarding registration and submission of abstract please contact:</b> <b>Mr. Sachin Shinde- 7218034080</b> <b>Mr. Pradeep Jadhav- 8275003417</b> <b>Mr. Amol Pawar- 8793726325.</b></p> <p style="text-align: center;"><b>Bank Details</b></p> <p><b>Name of Bank: State Bank of India</b> <b>Branch: Hadapsar</b> <b>Account number: 11182682641</b> <b>IFSC code: SBIN0009062</b></p>	<p style="text-align: center;"><b>Important Dates:</b></p> <p>Conference Date: 26<sup>th</sup> March 2022. Last date of abstract submission: 15<sup>th</sup> March 2022. Acceptance Notification: 18<sup>th</sup> March 2022. Last date of full paper submission: 20<sup>th</sup> March 2022. Oral/Poster submission date: 22<sup>nd</sup> March 2022.</p> <p style="text-align: center;"><b>Call for Papers</b></p> <p>Perceptive papers with theme of conference at the imperative point are invited. The abstract should include title of the paper, name of Authors, affiliation and correspondence address with email ID. Abstract limited to 300 words, (in MS word format, Times New Roman, Font Size 12 &amp; 1.5 line spacing) should be sent to E-Mail: IC_NHNER22@smjoshicollege.edu.in by 15 March, 2022. Selected full papers for publication should be submitted in soft copy (in A4 size in MS word format, Times New Roman, Font Size 12 with 1.5 line spacing) to E-Mail: IC_NHNER22@smjoshicollege.edu.in by March 20, 2022. The selected papers will be published in an International journal/ UGC CARE listed journal with ISSN number. Paper will be accepted only if it has not been published, copyrighted, presented or accepted elsewhere.</p> <p>*Oral Presentation: Prepare the video of your presentation and send on the following link: <a href="https://forms.gle/9KDTaQHjBi6JV3RM9">https://forms.gle/9KDTaQHjBi6JV3RM9</a> Time limit for presentation: 5 to 7 min. *Poster presentation: Prepare your poster on 1m x 1m size, add your contact number at the bottom of the poster and send soft copy of the same to above link. <b>Please join our telegram group: t.me/IC_NHNER22</b></p>
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# Harvesting Scalable Cells on Thermo-Responsive Smart Polymer Based Macrocarriers for Tissue Engineering and Cell Therapies

**Linh Nguyen**

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<https://lms.ucl.ac.uk/mis/browse/profile?upi=LNGUY66>



Conference on NEW HORIZONS OF SHARED OPPORTUNITIES (NHNER-2022) on 25<sup>th</sup> March 2022

Shot on OnePlus X Hasselblad

By Prasad





