MSP Mandal's

Shri Shivaji College, Parbhani

Department of Chemistry & Analytical Chemistry

Report of guest lecture on ***Higher Education Opportunities: Research and Academic Excellence in the Institute of Chemical Technology and Other Premier Institutes*.**
(17/06/2026**)**

The Department of Chemistry and Analytical Chemistry at Shri Shivaji College, Parbhani hosted a highly anticipated guest lecture on ***Higher Education Opportunities: Research and Academic Excellence in the Institute of Chemical Technology and Other Premier Institutes*.** The event was jointly organized with the Parbhani Astronomical Society under the DBT Star College Scheme on 17/06/2026 (11:30 AM) in Shri Shivaji Auditorium 2.

Key Dignitaries & Welcome Proceedings

The session commenced with a warm welcome address to all attendees, students, and esteemed faculty. To honor local cultural traditions, Vice Principal Dr. S. N. Keshatti (President of the event) and Chief Guests paid floral tributes to the portrait of Shri Chhatrapati Shivaji Maharaj. Following this, the college song was played. The dignitaries on the dais, including keynote speaker Dr. Sandeep More, Vice Principal Dr. S. N. Keshatti, Dr. S. B. Ade and Dr. Rameshwar Naik (Director of Life Line Hospital, Parbhani), were formally welcomed with shawls and books.

Dr. S. B. Ade delivered the introductory remarks, highlighting the core motive of the event: fostering a robust research mindset among undergraduate and postgraduate students.

Addresses and Guidance

Dr. S. N. Keshatti delivered the presidential address, encouraging students to leverage such guidance from academic leaders to elevate their career trajectories.

Technical Session & Keynote Address

Dr. P. K. Vibhute introduced the keynote speaker, Dr. Sandeep More, Professor in the Department of Fibers and Textile Processing Technology at the Institute of Chemical Technology (ICT), Mumbai.

Dr. More delivered an in-depth, eye-opening presentation on the profound scope of research and advanced career pathways available at premier national institutes. He provided students with actionable insights on navigating higher education.

The presentation titled "Careers in Basic Sciences" provides a comprehensive overview of the academic opportunities at the Institute of Chemical Technology (ICT), Mumbai. As a premier Category I multi-campus university, ICT spans across locations in Mumbai, Bhubaneswar, and Jalna. The institution offers highly specialized undergraduate, master's, and

doctoral programs in fields such as chemical engineering, polymer engineering, and green technology. The lecture highlights the university's robust industry connections, which provide students with valuable internships, industrial training, and excellent campus placements. Additionally, it showcases the S. M. Mokashi Incubation Centre, designed to foster student entrepreneurship. The first segment concludes by celebrating distinguished alumni who graduated from the institute, including business tycoon Mukesh Ambani and eminent scientist Dr. Raghunath Mashelkar.

Focusing on specialized research, the second part of the talk highlights the innovations within the Department of Fibres and Textile Processing Technology. Dr. More details cutting-edge research areas such as smart textiles, nanotechnology, and functional dyes. These advanced dyes change color depending on light exposure and serve critical purposes in anti-counterfeiting security inks and currency tagging. A key innovation featured is Woolitmus, a patented wearable pH indicator and sweat analyzer patch. Furthermore, the presentation outlines breakthroughs in building dye-sensitized solar cells from natural pigments and synthesizing molecular machines that mimic natural biological systems. Dr. More concludes by showcasing his active research group and inviting ambitious students to join his lab for advanced doctoral or internship opportunities.

Interactive Q&A and Conclusion

An engaging Q&A session followed the lecture. Students actively participated by asking precise and relevant questions regarding higher education opportunities. The event officially concluded with a formal Vote of Thanks delivered by Dr. G. B. Gundlewad, acknowledging the efforts of the organizing bodies, faculty, and the guest speaker.

A total of **83** undergraduate chemistry students participated in this guest lecture along with teaching and non-teaching faculty from different departments. Dr. P. R. Jagtap anchored the entire session.


श्री शिवाजी महाविद्यालय
परभणी


श्री शिवाजी महाविद्यालय
परभणी