



SAROJINI NAIDU VANITA PHARMACY MAHA VIDYALAYA

(Sponsored by the Exhibition Society), Tamaka, Secunderabad

Affiliated to Osmania University, Approved by AICTE & PCI

ISO 9001: 2015 Certified Institution, NBA Accredited B. Pharmacy Course

Guest lecture on:

Opportunities in Chemistry & Chemical Industries

Organized by the Department of Pharmaceutical Chemistry

Venue: SNVPMV Auditorium

Date: 17.01.2025

Name of the Guest Lecture: Dr.Sharanbasappa Gangashetty

CEO & President Zhejiang Sharan Chemical Technology Co.Ltd.Hangzhou,China.Sharan Chemical Technology Pvt.Ltd.HYD,India.Sattvam Life Science Pvt.,Ltd.Bangalore & Singapore Ulituz International Pvt.Ltd Singapor.

The seminar was graced by the presence of our Principal Dr.T.Mamatha and Director Dr.N.Srinivas.Arsheya Fatima B.Pharm 3rd yr student served as the anchor for the seminar, skillfully guiding the event and ensuring its smooth flow.She introduced the principal, director,HOD of Pharmaceutical chemistry and all the faculties.The seminar commenced with a soulful prayer song presented by Keerthi & Jhanvi of B Pharm 3rd yr,which set a serene and spiritual tone for the event.This was followed by an eco-greetings presented by Aarzoo Ali of B-pharm 3rd yr.Then the introduction of the speaker of the Dr. Sharanabasappa was given by Aarzoo Ali

Keynote:

Chemistry, often referred to as the "central science," is at the heart of many of the greatest advancements we have made as a society. From the medicines that cure diseases to the materials that power our technologies, the contributions of chemistry are immeasurable. Yet, despite the many achievements, the field continues to offer abundant opportunities for growth, innovation, and transformation—both for individuals pursuing careers in the field and for the industries that rely on chemical processes.The Role of Chemistry in Modern Society.Chemistry impacts virtually every aspect of our lives. It is the science of matter and its transformations, which is why it plays such a pivotal role in industries ranging from healthcare and agriculture to energy and manufacturing. Some of the most pressing challenges of our time, such as climate change, sustainability, and resource management, are problems that can be addressed with the help of chemistry.



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Guidance from speaker was provided valuable insights and advice to current students considering a pharmacy course. Given the various career paths available in Pharmaceutical chemistry such as Process Chemist, Analytical Chemist, Drug Control Officer, RA & Scientist, work in an advisory capacity at different levels of government, conduct research in to new medications or become a pharmacy professor and Director and CEO. Shared personal career choices and the factors that influenced him. He has explained to students that, very huge opportunities in academic and research in chemistry and chemical industries those who have suitable qualification in chemistry.

He also said that most of chemistry jobs will require you to have some level of qualification in chemistry, whether that's bachelor's degree; master's degree or PhD. Many chemistry jobs are lab-based, though not all-a number of roles may include field work, office work, or even teaching in school or other academic environment. His talk was aimed at guiding students in making informed career choices in this dynamic field. He has focused on- Opportunities in Chemical Industries For B.Pharm,D.Pharm & M.Pharm & PhDs

The Role of Chemistry in Modern Society

Chemistry impacts virtually every aspect of our lives. It is the science of matter and its transformations, which is why it plays such a pivotal role in industries ranging from healthcare and agriculture to energy and manufacturing. Some of the most pressing challenges of our time, such as climate change, sustainability, and resource management, are problems that can be addressed with the help of chemistry.

Energy production: Advances in battery technology and renewable energy sources are powered by chemical research. The development of more efficient solar cells, fuel cells, and energy storage solutions relies on cutting-edge chemical innovations.

Healthcare: Chemistry is central to the development of new drugs, vaccines, and diagnostic tools. The recent progress in mRNA vaccines is just one example of how chemical research can save lives and enhance global health.

Environment and Sustainability: The need for sustainable solutions in waste management, water purification, and reducing carbon emissions is a call to action for chemists and chemical engineers. Opportunities abound for those who can find new ways to minimize industrial waste, create biodegradable materials, and reduce the carbon footprint of manufacturing processes.



Opportunities in the Chemical Industry

The chemical industry, in particular, is one of the most expansive sectors, touching nearly every other industry. From the production of raw materials to the creation of high-tech solutions, the chemical industry is a cornerstone of modern economies. Let's look at some key areas where opportunities are growing:

Green Chemistry and Sustainable Development: There is an increasing push towards developing more sustainable processes in chemistry. Green chemistry aims to design chemical products and processes that reduce or eliminate the use of hazardous substances. This includes the development of safer solvents, renewable feedstocks, and eco-friendly chemical processes. For anyone interested in making a real-world difference, this is an exciting area to pursue.

Innovation in Materials Science: With the rise of new technologies—such as nanotechnology, 3D printing, and advanced electronics—there is a growing need for novel materials. The chemical industry is at the forefront of creating new polymers, composites, and smart materials that are lighter, stronger, and more adaptable to diverse applications. For example, the development of nanomaterials is revolutionizing fields like medicine, electronics, and energy storage.

Digital Transformation and Automation: The digital transformation of the chemical industry is opening up vast new opportunities. Automation, artificial intelligence, and data analytics are being used to optimize production processes, improve quality control, and reduce costs. Chemists and chemical engineers with expertise in these areas can play a crucial role in making these technologies more effective and widespread.

Circular Economy: The concept of a circular economy—where products are reused, refurbished, or recycled rather than disposed of—offers significant opportunities for innovation. In the chemical industry, this could mean developing new recycling technologies, creating biodegradable materials, or designing products with longer life cycles.

Entrepreneurs:

The chemical industry holds immense potential for solving global challenges, from improving public health and reducing environmental impacts to creating innovative products that enhance everyday life. The opportunities for those interested in chemistry are not just plentiful; they are also meaningful. Whether you are just starting your career or considering a new direction, the field of chemistry and the chemical industry provides an exciting and



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rewarding path. As we move forward, I encourage each of you to consider the many ways in which chemistry can shape the future. The opportunities are waiting for those who are passionate, innovative, and ready to make a difference. Students of M. Pharmacy, Pharm. D and B. Pharmacy actively participated in the seminar and also raised many questionnaires. The seminar was a resounding success, providing a platform for the student and faculty to learn from an exporting the filed.

Dr.S.Hemalatha (HOD) & the Director felicitated the speaker,acknowldeging his valuable contribution to the field of chemistry. Vote Of Thanks presented by Dr.S.Hemalatha who expressed gratitude to the speaker ,the Principal, the Director and the Chairman Dr .B.Prabha Shankar and the Chemistry Department for organizing the event.



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NBA ACCREDITED B PHARMACY COURSE

DEPARTMENT OF PHARMACEUTICAL CHEMISTRY
Organising
GUEST LECTURE ON
OPPORTUNITIES IN
CHEMISTRY & CHEMICAL INDUSTRIES

GUEST SPEAKER
Dr. Sharanabasappa Gangashetty
CEO & President Zhejiang Sharan Chemical Technology Co.,Ltd. Hangzhou, China
Sharan Chemical Technology Private Limited, Hyderabad, India
Sattvam Life Science Pvt., Ltd. Bangalore & Singapore Ulituz International Pvt. Ltd. Singapore

JANUARY 17 2025
FRIDAY AT 3 PM

Presided by
Dr. B. Prabha Shankar
Chairman, SNVPMV
President, IPA TS Branch

SEMINAR COORDINATOR:
Dr. S. Hemalatha
Professor & HOD
Department of Pharmaceutical Chemistry

VENUE:
SNVPMV AUDITORIUM
12-5-31/32, Vijayapuri colony, Tarnaka, Secunderabad, Telangana - 500017
Land Mark - Lane opp. to St. Anns High School

Dr. T. Mamatha Principal
Dr. N. Srinivas Director
Sri B. Hanumanth Rao Hon. Secretary





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