

**INSTITUTE OF CHEMICAL TECHNOLOGY****रसायन तंत्रज्ञान संस्था**

Deemed to be University under Section-3 of UGC Act 1956

Elite Status & Centre of Excellence Government of Maharashtra

Category I Deemed to be University (MHRD/UGC)

National Rank 1 in Atal Innovation Ranking (AIRIA), by MHRD, Category : Govt Aided Universities (2020)

**TO WHOMSOEVER IT MAY CONCERN**

I, **Dr. Prajakta Dandekar-Jain**, UGC -Assistant Professor from the Department of Pharmaceutical Sciences and Technology, Institute of Chemical Technology, Matunga, Mumbai, Maharashtra, wholeheartedly endorse the application of **Mr. Shailesh Sanjay Dugam** for the "Sun Pharma Science Foundation- Science Scholar Awards 2024." Shailesh is a dedicated, motivated, and intelligent student who consistently demonstrates a willingness to tackle complex research challenges. His research has demonstrated great potential to contribute significantly to the field of the pharmaceutical and biomedical sciences.

I justify this nomination on the following grounds:

Ph.D. Research Work: As an integral component of his Ph.D. research, Shailesh has conceived and developed a biopolymeric nanofibre-based multifunctional dressing for the treatment of chronic wounds, using electrospinning technology. This nanotechnology-based innovation has not only resulted in effective wound healing, and better efficiency than the traditional dressings but is also cost-effective due to the choice of materials and technology of development. The **Indian Patent Office** has recognized the significance of his work and has published a patent related to this study. Currently, the patent is awaiting an examination. In addition to IP generation, he has successfully authored and published **1 research paper** (Thomson Reuters impact factor: 7.7) based on his Ph.D work. These endeavors underscore his capacity for generating high-impact, original research within his chosen field. These also demonstrate his prowess in critically analyzing and presenting his research. Apart from this, he has been also involved in grant application writing collaborative research, and execution of industry projects in the pharmaceuticals and biotechnology fields.

Research Contributions: Mr. Shailesh's research contributions are truly commendable. His portfolio includes **over 13 research and review papers**, and **1 book chapter** in esteemed national and international publications

ICT MUMBAI

Nathalal Parekh Marg, Matunga, Mumbai - 400 019, India
Tel: +91-22-3361-1111/2222(B) Fax: +91-22-3361-7020(B)
Website: www.ictmumbai.edu.in
email: vc@ictmumbai.edu.in
GSTIN: 27AAAT14951J1ZG

ICT IOC, BHUBANESWAR

ICT-IOC Odisha Centre, Indian Institute of Technology,
Kharagpur Extension Centre, Near Hotel Swasti Premium,
Mouza-Samanipuri, Bhubaneswar-73
email: director@iocb.ictmumbai.edu.in
GSTIN: 21AAAT14951J1ZS

ICT MARATHWADA, JALNA

M/s Beej Sheetal Innovations Centre Private Limited,
BT-6/7, Biotechnology Park, Additional MIDC Area,
Aurangabad Road, Jalna-431 203
email: director@marj.ictmumbai.edu.in
GSTIN: 27AAAT14951J1ZG

**INSTITUTE OF CHEMICAL TECHNOLOGY****रसायन तंत्रज्ञान संस्था**

Deemed to be University under Section-3 of UGC Act 1956

Elite Status & Centre of Excellence Government of Maharashtra

Category I Deemed to be University (MHRD/UGC)

National Rank 1 in Atal Innovation Ranking (ARIIA), by MHRD, Category : Govt Aided Universities (2020)



Academic Achievements: Mr. Shailesh's exceptional academic track record during the undergraduate and post-graduate coursework is noteworthy. He has consistently demonstrated excellence, securing **university rank first** in the master's program.

Fellowship Achievements: Mr. Shailesh's journey is marked by several distinguished fellowships, each reflecting his exceptional research credentials and ability to propose and execute commendable ideas. Drawing recognition from his research accomplishments, he was appointed as a Junior Research Fellow on a **DST- Nanomission project** in October 2020. This prestigious fellowship underscores his dynamic role as a dedicated research scholar. Further, he was honored with a prestigious **DST-INSPIRE Fellowship** from the Department of Science and Technology, New Delhi, to pursue his doctoral studies. He is also a recipient of the esteemed **Government of India Post-Matric Scholarship** during his Master's coursework (2017-2019)

Awards and Achievements for Ph.D. Work: Mr. Shailesh's Ph.D. journey has been adorned with numerous accolades and recognitions, underscoring his exceptional contributions to the field. Over the last four years, he has presented his Ph.D. research work at several prestigious international and national conferences, showcasing the depth and significance of his work. Additionally, for his Ph. D work, he was selected for the **"InSC-Young Researcher Award"**. His work entitled **"Development of Silver Nanoparticle Incorporated Triple-layered Nanofibrous Dressing for Chronic Wounds"** was selected for the **top 5 oral presentations** at the International Symposium on Advances in Drug Delivery Technologies (ADDT-2024) in February 2024 at BITS Pilani, Pilani Campus, India.

Continuous his excellent contributions to science and healthcare, the Sun Pharma Science Scholar Award will provide, Mr. Shailesh Dugam with the necessary recognition and motivation to further his research endeavors, ultimately contributing to the progress of science and the benefit of society

ICT MUMBAI

Nathalal Parekh Marg, Matunga, Mumbai - 400 019, India
Tel: +91-22-3361-1111/2222(B) Fax: +91-22-3361-1020(B)
Website: www.ictmumbai.edu.in
email: vc@ictmumbai.edu.in
GSTIN: 27AANT149511126

ICT IOC, BHUBANESWAR

ICTIOC Odisha Centre, Indian Institute of Technology,
Kharagpur Extension Centre, Near Hotel Swasti Premium,
Mouza-Samanpur, Bhubaneswar-13
email: director@iioch.ictmumbai.edu.in
GSTIN: 21AANT149511125

ICT MARATHWADA, JALNA

M/s Beej Sheetal Innovations Centre Private Limited,
BT-6/7, Biotechnology Park, Additional MIDC Area,
Aurangabad Road, Jalna-431 203
email: director@marj.ictmumbai.edu.in
GSTIN: 27AANT149511126

**INSTITUTE OF CHEMICAL TECHNOLOGY****रसायन तंत्रज्ञान संस्था**

Deemed to be University under Section-3 of UGC Act 1956


Elite Status & Centre of Excellence Government of Maharashtra

Category I Deemed to be University (MHRD/UGC)

National Rank 1 in Atal Innovation Ranking (ARIA), by MHRD, Category - Govt Aided Universities (2020)



I strongly recommend Mr. Shailesh Dugam for this award and am confident that he will make the most of this opportunity if awarded this fellowship.


Yours Sincerely,

Dr. Prajakta Dandekar- Jain

UGC- Assistant Professor

Department of Pharmaceutical Sciences and Technology,

Institute of Chemical Technology, Matunga, Mumbai-400019

Email: pd.jain@ictmumbai.edu.in



Forwarded Through,


Head of Department

Department of Pharmaceutical Sciences and Technology,

Institute of Chemical Technology,

Matunga, Mumbai -400019

Head, Dept. of Pharmaceutical Sciences & Technology
INSTITUTE OF CHEMICAL TECHNOLOGY
(University Under Section-3 of UGC Act 1956)
Elite Status & Centre of Excellence - Govt. of Maharashtra
Matunga, Mumbai - 400 019.

ICT MUMBAI

Nathalal Parekh Marg, Matunga, Mumbai - 400 019, India
Tel: +91-22-3361-1111/2222(8) Fax: +91-22-3361-1020(8)
Website: www.ictmumbai.edu.in
email: vc@ictmumbai.edu.in
GSTIN: 27AAAT149511726

ICT IOC, BHUBANESWAR

ICT-IOC Odisha Centre, Indian Institute of Technology,
Kharagpur Extension Centre, Near Hotel Swasti Premium,
Mouza-Samaritpur, Bhubaneswar-75
email: director@ioch.ictmumbai.edu.in
GSTIN: 21AAAT149511725

ICT MARATHWADA, JALNA

M/s Beel Sheetal Innovations Centre Private Limited,
BT-6/7, Biotechnology Park, Additional MIDC Area,
Aurangabad Road, Jalna-431 203
email: director@marj.ictmumbai.edu.in
GSTIN: 27AAAT149511726