Iran Nanotechnology Innovation Council
Programs, Activities & Achievements

Prof. Saeed Sarkar, INIC Secretary General

2019
NANOTECH FOR SOCIETY

Through Responsible and Sustainable Development of Nanotechnology
Graduate Training Programs

66 Universities M.Sc. Programs

23 Universities Ph.D. Programs

10 Universities in NanoMedicine Programs

8 Universities in NanoMedicine Programs
Human Resources Development

- 37000 Experts in Nanotechnology
- 1800 (5%) Experts in Nanomedicine
Iran’s ISI Nano-publications (Ref: statnano.com)

9% of Publications is in the field of Nanomedicine
### No. of ISI Articles (2018, Ref: statnano.com)

<table>
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<th>Rank</th>
<th>Country</th>
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<th>Share (%)</th>
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China shows strongest at addressing emergent nanotechnology topics, followed by the U.S., South Korea, India, and, surprisingly, Iran.
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Iran Nanotechnology Innovation Council

INIC 2019

Civil and Construction, 12%
Health, Drug and Medical, 9%
NanoCoating, 4%
Automotive and Transportation, 6%
household goods, 5%
Energy & Petroleum, 4%
Nanomaterials, 9%
Polymer and composite, 8%
Textile & Loom, 7%
Resin & Composite, 6%
Analytical & Equipment Manufacturing, 23%

Total: 214 Companies
Iran Nanotechnology Innovation Council

Nanotechnology Products

Total: 595

- Health, Drug and Medical: 80
- Analytical & Equipment Manufacturing: 198
- Automotive and Transportation: 17
- Civil and Construction: 81
- household goods: 23
- Nanomaterials: 26
- Textile & Loom: 49
- Polymer and composite: 28
- Resin & Composite: 22
- Energy & Petroleum: 18
- Products based on NanoCoating: 24
- Others: 29

80

14% of Products are in the field of Nanomedicine
Nanomedicine Products Export to 12 Countries
(Italy, Turkey, Malaysia, Poland, Greece, Afghanistan, Syria, Kuwait, Philippine, Lebanon, Iraq, Thailand)
Areas of Nanomedicine Applications

- Targeted and Smart Drug Delivery
- Nanobiosensores
- Nanorobots and NanoDevices
- Imaging Devices
- Diagnostic Agents
- Implants Based on Biocompatible Nanocomposites
- Treatment
Products in Health Section (Made by IRAN)

- Cancer Treatment Drug
- Leishmaniosis Treatment Cream
- Cancer Detection Kit
- Anti Cancer Drug (Doxorubicin)
- Dust Nano Mask
- Hand Sanitizer
- Nano Curcumin
- Drug Detection Kits
- Anti Bacterial Tissue Paper
Iranian Companies in Nanomedicine Section
Global **Nanopharmaceutical** Drugs Market is Expected to Reach $**79.29** Billion by **2026**
Thank you for your attention

www.nano.ir