

Islamic Republic of IRAN

# Iran Nanotechnology Innovation Council

Programs, Activities & Achievements



**INIC**

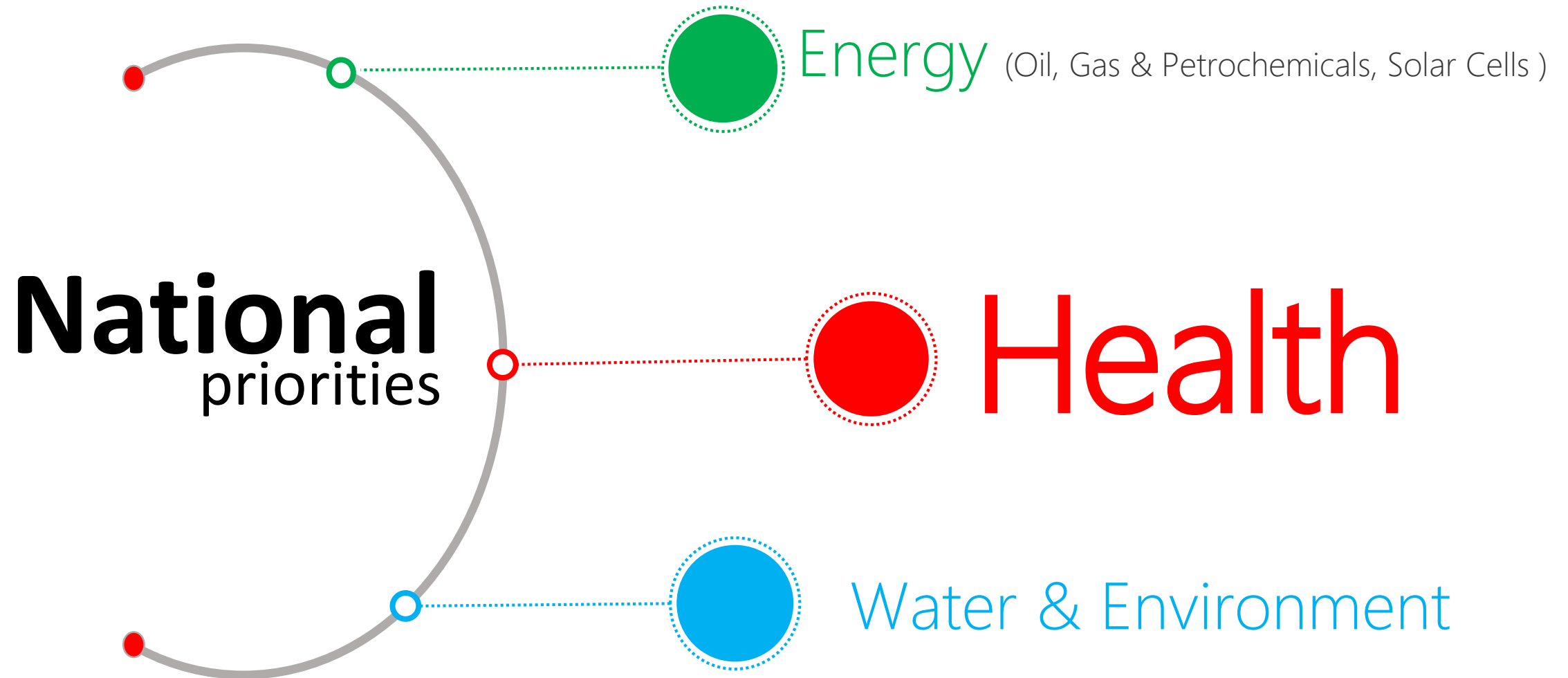
Prof. Saeed Sarkar, INIC Secretary General

2019



# NANOTECH FOR SOCIETY

Through Responsible and Sustainable Development of  
Nanotechnology



# Graduate Training Programs

66

Universities M.Sc. Programs

10

Universities in NanoMedicine Programs



23

Universities Ph.D. Programs

8

Universities in NanoMedicine Programs



دانشگاه علوم پزشکی شیراز



دانشگاه علوم پزشکی اصفهان



دانشگاه علوم پزشکی تبریز



دانشگاه علوم پزشکی شاهرود



SHIRAZ UNIVERSITY OF MEDICAL SCIENCES



Kermanshah University of Medical Sciences



Mazandaran University of Medical Sciences



Shahid Beheshti University of Medical Sciences



Mashhad University of Medical Sciences



I.A.U

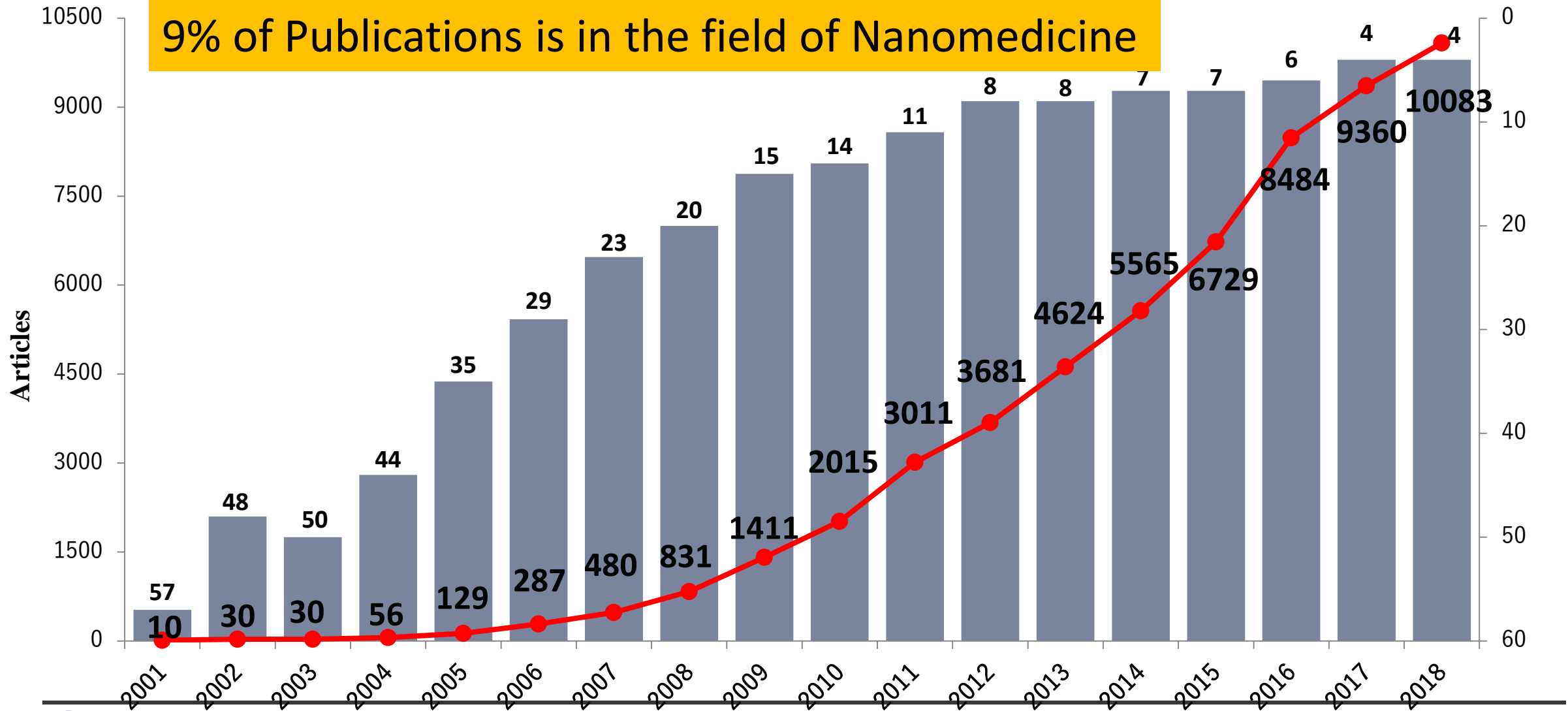
# Human Resources Development

- 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)

Rank	Country	Nano-articles	Share (%)	Rank	Country	Nano-articles	Share (%)
1	China	67,944	39.18	16	Brazil	3,195	1.84
2	USA	25,597	14.76	17	Taiwan	2,994	1.73
3	India	14,615	8.43	18	Turkey	2,602	1.5
4	Iran	10,083	5.81	19	Poland	2,560	1.48
5	South Korea	9,774	5.64	20	Egypt	2,325	1.34
6	Germany	8,813	5.08	21	Singapore	2,314	1.33
7	Japan	7,710	4.45	22	Pakistan	2,022	1.17
8	UK	5,893	3.4	23	Switzerland	2,006	1.16
9	Russia	5,831	3.36	24	Malaysia	1,930	1.11
10	France	5,630	3.25	25	Sweden	1,871	1.08
11	Spain	4,730	2.73	26	Netherlands	1,773	1.02
12	Italy	4,432	2.56	27	Mexico	1,445	0.83
13	Australia	4,294	2.48	28	Belgium	1,357	0.78
14	Canada	3,758	2.17	29	Czech Republic	1,206	0.7
15	Saudi Arabia	3,207	1.85	30	Portugal	1,164	0.67



## National nanotechnology research prominence

Alan L. Porter <sup>a,b</sup>, Jon Garner <sup>b</sup>, Nils C. Newman <sup>b</sup>, Stephen F. Carley <sup>b</sup>,  
Jan Youtie <sup>a</sup>, Seokbeom Kwon <sup>a</sup> and Yin Li <sup>c</sup>

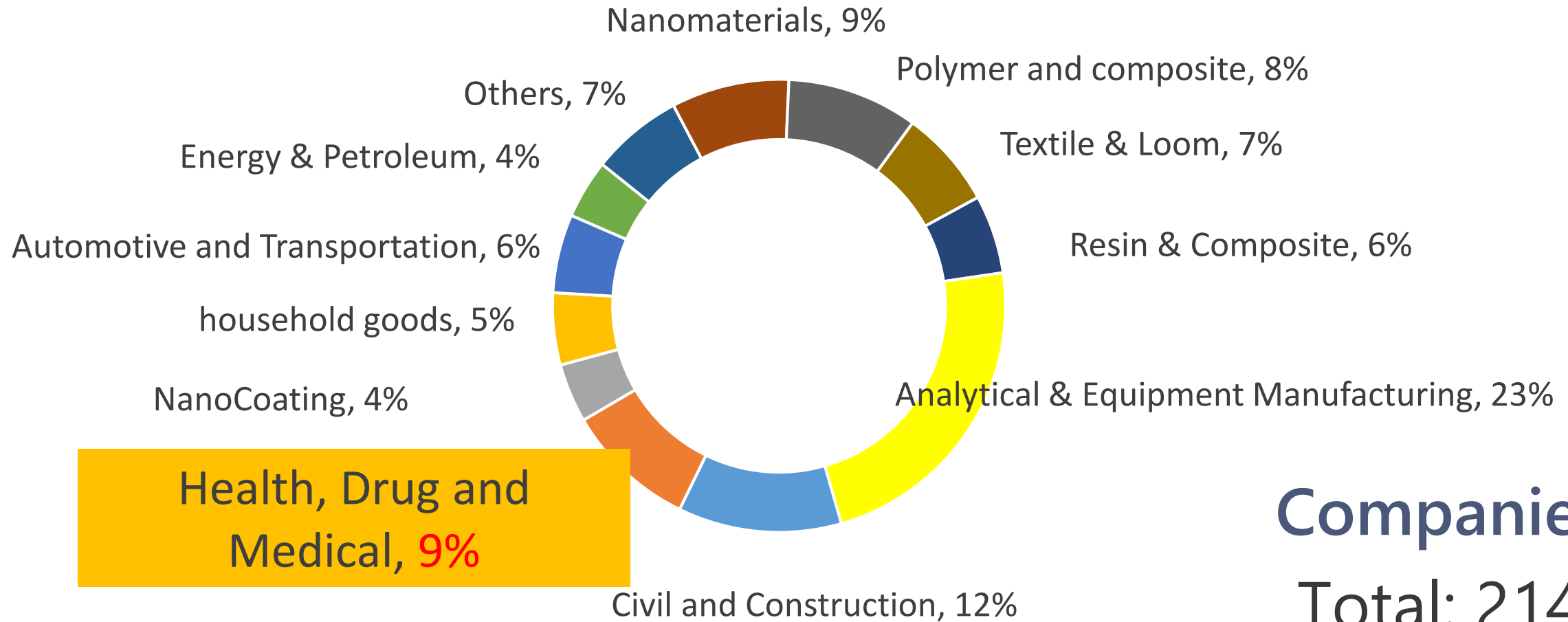
**China shows strongest at addressing emergent nanotechnology topics, followed by the U.S., South Korea, India, and, surprisingly, Iran.**

priorities. The researchers (individuals, organizations, or countries) whose publications address those emergent terms heavily deserve consideration as possible leaders in that technical domain. This paper studies nanotechnology research publications using the new emergence scoring in conjunction with established bibliometric publication and citation measures. Findings challenge U.S. superiority in cutting edge nanotechnology research. **China shows strongest at addressing emergent nanotechnology topics, followed by the U.S., South Korea, India, and, surprisingly, Iran.**

technical emergence indicators; bibliometrics; nanotechnology

## Leading Iranian Nano R&D organizations

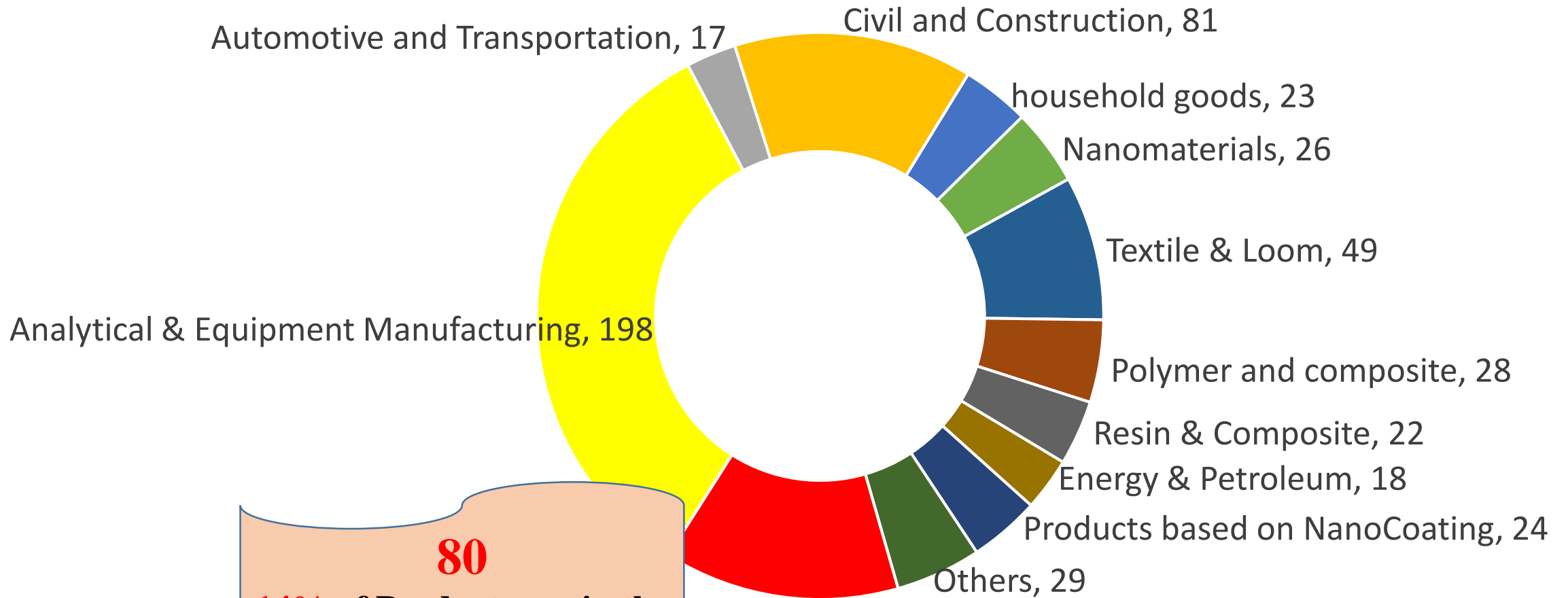
International Rank	National Rank	Organizations	ES	No. Of Articles
20	1	ISLAMIC AZAD UNIV	165/4	6414
51	2	UNIV TEHRAN MED SCI	116/7	1106
-	3	UNIV TEHRAN	85/6	2841
-	4	SHARIF UNIV TECHNOL	76/8	2139
-	5	AMIRKABIR UNIV TECHNOL	71/1	1415
-	6	TARBIAT MODARES UNIV	70	1911
-	7	UNIV TABRIZ	62/6	1032
-	8	ISFAHAN UNIV TECHNOL	61/7	1761
-	9	UNIV KASHAN	50/3	1342
-	10	IRAN UNIV SCI TECHNOL	46/3	1105



**Companies**  
**Total: 214**

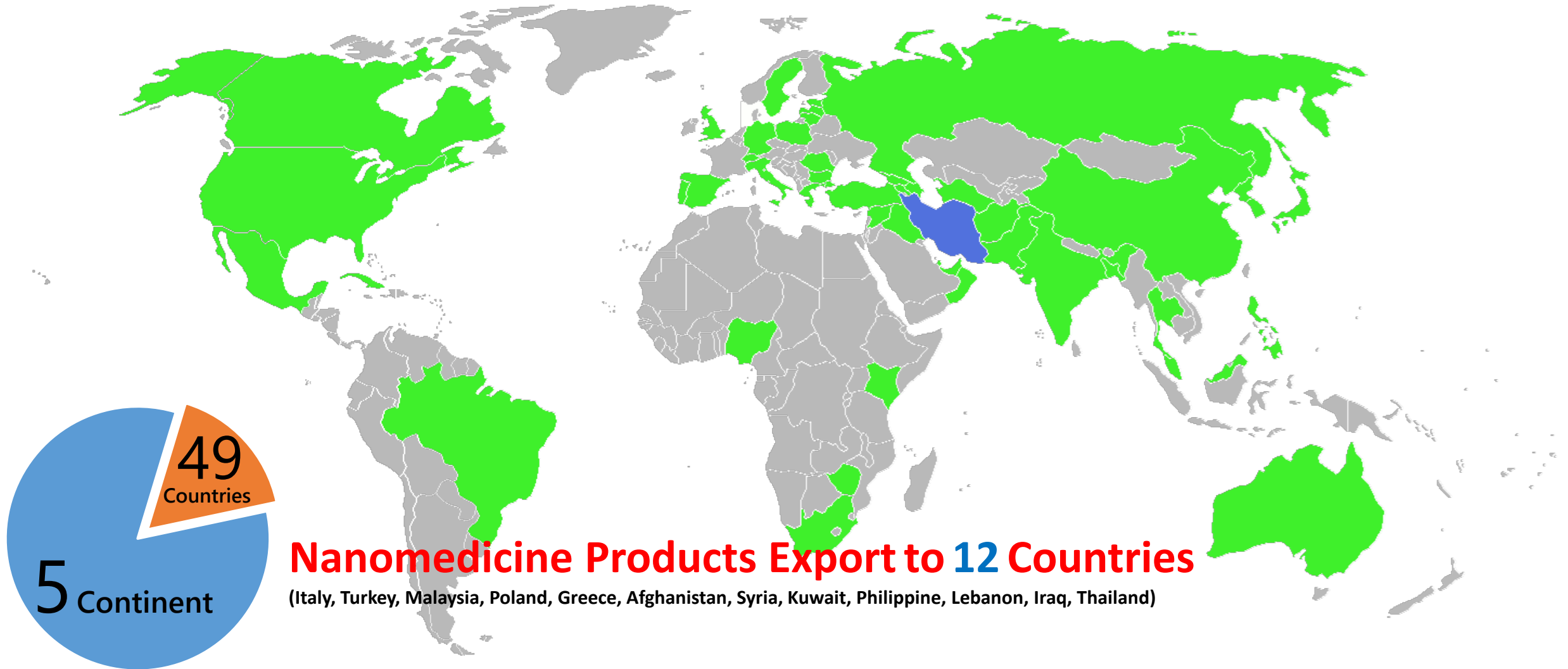
# Nanotechnology Products

Total: 595



**80**  
**14% of Products are in the field of Nanomedicine**

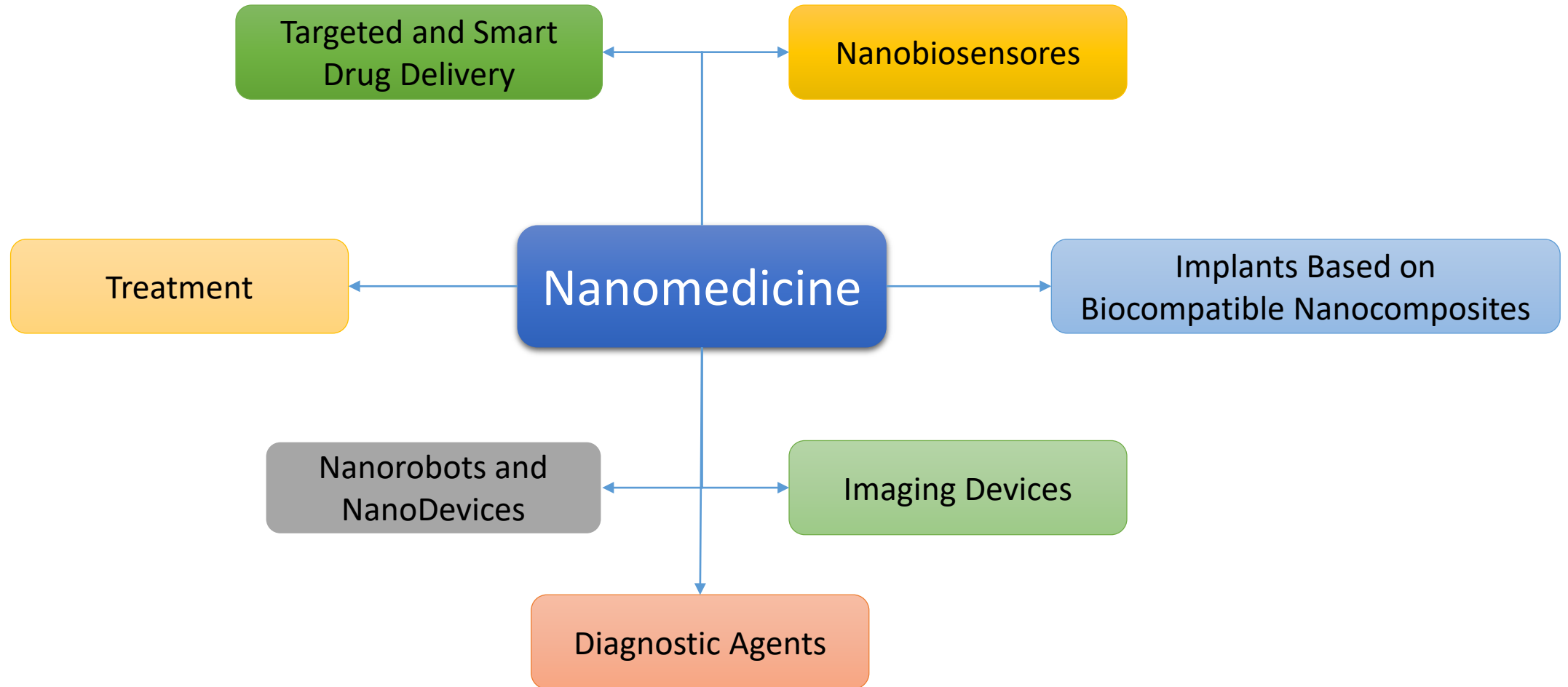
# IRAN Nano Map Export



**Nanomedicine Products Export to 12 Countries**

(Italy, Turkey, Malaysia, Poland, Greece, Afghanistan, Syria, Kuwait, Philippines, Lebanon, Iraq, Thailand)

# Areas of Nanomedicine Applications



# Products in Health Section (Made by IRAN)



**Cancer  
Treatment  
Drug**



**leishmaniasis  
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



ATRAK BASPAR FAN



Taban Andish Berjis



Oxin Sabz Espadan



Green Environment Nano Ars



Tosee Salamat Nanobonyan



Tan San Teb Hegmataneh



Kimia Chemie Sahand



Karimpour Taps



Pishran Nassaji Ayandeh



Marjan Sanitary Porcelain



Kelar Poya



Isfahan Moghadam



Healthy aging supplementat.



Zist Yar Mehr Andish



Chito Tech



Amin Soat



nano kavosh arad



Maham Tajhizat Parla Co



Hakiman Dourandish Pars



Rayan Zarin Sina



Talie Teb Tohid



Exir Shargh

# Nanomedicine Market

Global **Nanopharmaceutical** Drugs Market  
is Expected to Reach **\$79.29** Billion by  
**2026**



Thank you for your attention

Damavand mount

[www.nano.ir](http://www.nano.ir)