



Shanghai Cooperation Organization- 1st Young Scientists Conclave (SCO-YSC 2020)
A virtual event organised in India at CSIR-IICT, Hyderabad
Theme: Shaping SCO-STI Partnership: Young Scientists Perspectives

SCO-Young Scientist Profile

First Name: Chao

Last Name: Wang

**Designation
& affiliation:** Professor, Soochow University

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Details of research work carried out in S&T (limit to 200 words)

Prof. Chao Wang's current research focuses include development of biomaterials for immunoengineering, tissue engineering and regeneration, in order to develop effective novel immunotherapies for cancer, infectious diseases, autoimmune disorders and age-related disease. Prof. Wang has authored over 90 peer-reviewed papers, which have received a total citation of > 19,105 times and given him an H-index at 66 (Google Scholar).

Associated SCO-YSC Theme: Biotechnology and bio-engineering

Statement of Innovation (Brief information on new innovative ideas including startup / entrepreneurs- limit to 150 words)

Various types of cells are promising drug carriers or living drugs themselves. Armed with the emerging techniques in materials science, molecular pharmaceuticals and nanobiotechnology, cell engineering is an appealing therapeutic platform for the development of next-generation medications. We will study the enhanced therapy effects by the combination of functional cells and biomaterials. Generally, our biomaterials – based on micor/nanoparticles or scaffolds – will be engineered for switching using innovate and modern concepts in cell-based therapy.

Major awards/ Achievements (Upto 3 awards)

2019-2020 "Highly Cited Researcher" in Materials Science by Clarivate Analytics

2017 Jiangsu Science and Technology Progress Award

2017 Biomaterials Future Scientist Award (4/5)

Possible collaboration with SCO countries (limit to 100 words)

Biomaterials-based drug delivery platform for immunotherapy for cancer, infectious diseases, autoimmune disorders and age-related disease.

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Key words *(relevant to research work conducted as well as proposed innovation, 5-6 words)*

Immunoengineering; Biomaterials; Cancer immunotherapy; Drug delivery; Cell therapy;