

## المعهد العالي للعلوم التطبيقية والتكنولوجيا

**Higher Institute for Applied Sciences and Technology**

*For highly qualified engineers*

**Director**

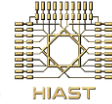
**Dr. Maher SULEIMAN**

**22<sup>nd</sup> Meeting of COMSATS Coordinating Council**

Tianjin, China, 16 – 17 April 2019



## Outlines



- About HIAST
- Achievements
- Collaborations with other Centres of Excellence
- Science and Technology for achieving SDGs
- Future Work

[www.hiast.edu.sy](http://www.hiast.edu.sy)

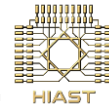
المعهد العالي للعلوم التطبيقية والتكنولوجيا  
Higher Institute for Applied Sciences and Technology

Home Scientific Units Study at HIAST R & D Scientific Activities Student Life HIAST Aleppo

نواد علمية  
شباب الروبوتيك



## About HIAST



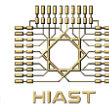
- Established in 1983
- Graduating highly qualified engineers and researchers in many applied science fields:
  - Informatics, Telecommunication, Electronic Systems, Mechatronics, Materials Science, Aeronautics
- Offered degrees:
  - Bachelor of Science in Engineering (BSE)
  - Masters
  - PhDs



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## About HIAST



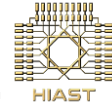
- Academic staff:
  - 100 PhD (35 part-time employees)
  - 110 Engineers
- Students:
  - 340 undergraduates
  - 80 postgraduates (45 Master + 35 PhD)



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## Achievements



- Graduated students :
  - 44 Eng.
  - 20 Masters
  - 5 PhDs
- Publishing :
  - Scientific Books (3 new, reprint 5)
  - Research papers (20 in International Scopus ranked Journals)



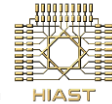
Comparative study of microwave absorption characteristics of (Polyaniline/NiZn ferrite) nanocomposites with different ferrite percentages

Nassem Nasser Ali<sup>1</sup>, Yomen Altassi<sup>2</sup>, A. S. Akil Salloum<sup>3</sup>, Abdulkarim Charba<sup>4</sup>,  
Adnan Malki<sup>5</sup>, Mofataba Jaleelan<sup>6</sup>

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## Achievements

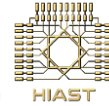


- Organizing national workshops
  - Big data system, Arabic digital content, Metallurgy, Quality assurance, ....
- Developed software applications for public institutions
  - Ministry of Agriculture (7 Projects)
  - Ministry of finance (2 Projects)
  - Hospitals (2 Projects)

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## Collaborations with other Centres of Excellence

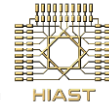


- First contact has been made to launch collaboration with some COMSATS's Centres of Excellence :
  - IROST-Iran: Solar and fuel cell and hybrid PV systems, Nanotechnology (ferrites materials, microwave absorbing materials, Carbon quantum dots, ...)
  - COMSATS: Tele-health Program
- HIAST is also ready to collaborate with other organizations in the R&D domains of common interests.

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## Collaborations with other Centres of Excellence

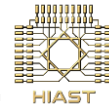


- HIAST Works on linking other Syrian research organizations with COMSTATS Centres of Excellence
- Three organizations interested in cooperation on biotechnology
  - Research Institute for Pharmaceutical and Chemical Industries (RIPCI)
    - A Cooperation proposal has ben sent to TIB
    - Preparing to apply for the Postdoctoral fellowship offered by ICCBS
  - Atomic Energy Commission of Syria (AECS)
    - Prepared 4 Cooperation proposals to be sent to TIB
  - National Commission for biotechnology (NCBT)

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## Science and Technology for achieving SDGs

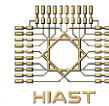


- Provided advanced training to public and private customers covering many advanced technologies and specialized industrial tools
- Cooperation with the Ministry of Agriculture to implement management information system for animal resources in Syria
- Joint research with the General Commission for Scientific Agriculture Research (GCSAR) to improve pomace oil extraction
- Providing water and air pollution assessments

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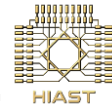


## Future Work



- Building a new nanotechnology Laboratory
- Launching a new Master program in Aeronautics
- Upgrading our educational system to comply with credit system standards

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*Thank you for your attention...*