



# Dr. Mohamed Frahat Foda

Principal Investigator (PI) & Postdoctoral Research Fellow

## Education

**2018–2020**

Principal Investigator (PI) • Huazhong Agricultural University, Wuhan, 430070, China

**2016–2018**

Postdoctoral Research Fellow • Huazhong Agricultural University, Wuhan, 430070, China

**2011–2015**

Ph.D. in Biochemistry and Molecular Biology • Huazhong Agricultural University, Wuhan, 430070, China

**2007–2010**

M.Sc. in Agriculture Biochemistry • Benha University, Faculty of Agric., 13736, Egypt

**2002–2006**

B.Sc. in Agricultural Science branch (Agric. Biochemistry) with a total **GPA** of 94.64%, Excellent with honor degree • Benha University, Faculty of Agric., 13736, Egypt

## Experience

### Huazhong Agricultural University, Wuhan, China

- Principal Investigator (PI) of the NSFC Project, **(2020)**.
- Talented Young Scientist Program (TYSP), **(2019)**.
- Principal Investigator (PI) of the NSFC Project **(2018)**.
- President of the African Alumni **(2017- Till Now)**.
- Vice President of the Postdoctoral Association **(2016-Till Now)**.
- Co-founder of the Volunteer Center at Huazhong Agricultural University.

<sup>1</sup>Huazhong Agricultural University  
Wuhan, Hubei, 430070, China (HZAU)

<sup>2</sup>Benha University, Faculty of Agricultural,  
13736, Egypt (BU)

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BU : [m.frahat@fagr.bu.edu.eg](mailto:m.frahat@fagr.bu.edu.eg)

[Benha University](#)  
[Huazhong Agricultural University](#)





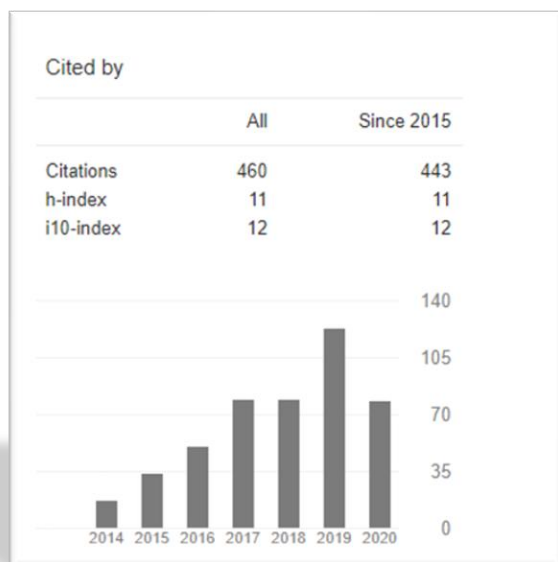
### Research Interest

- Synthesis and modification of nanostructure Quantum Dots for bioimaging and PED Virus detection.
- Multi-functional nanoparticles for integrated cell and/or *in vivo* imaging and therapy
- Self-assembled nanostructures for disease-targeted drug/gene delivery.
- Nano optoelectronic devices for biochemistry interface reaction research with SERS techniques.

### Most Recent Publication:

1. Fawze Alnadari, Yemin Xue, Liang Zhou, Ruirui Gao, Zonghui Zhang, Yahya Saud Hamed, [Mohamed F. Foda\\*](#). (2020), *Nature Scientific Reports*. (Corresponding Author)
2. Assane Hamidou Abdoulaye, [Mohamed F. Foda\\*](#) and Ioly Kotta-Loizou. (2019), *Viruses*. (Corresponding Author)
3. Esmael, A., Hassan, M. G., Amer, M. M., Abdelrahman, S., Hamed, A. M., Abd-raboh, H. A., & [Mohamed F. Foda\\*](#). (2020), *Saudi Journal of Biological Sciences*, 27(1), 448-455. (Corresponding Author)
4. Jiaojiao Zhou, Wenjing Wang, Shuojun Li, Axiu Nie, Zhiyong Song, [Mohamed F. Foda](#), Zhicheng Lu, Ling Zhao, and Heyou Han. (2020), *Sensors and Actuators B: Chemical*, 304, 127267. (Co-Author)
5. Ma, Z., Zhang, J., Zhang, W., [Mohamed F. Foda](#), Zhang, Y., Ge, L., and Han, H., (2020), *Iscience*, 23(5). (Co-Author)
6. Liu, J., Hong, Z., Yang, W., Liu, C., Lu, Z., Wu, L., [Mohamed F. Foda](#), Yang, Z., Han, H. and Zhao, Y., (2020), *ACS Applied BioMaterials* (Co-Author)
7. Mu, Y.L., Zhang, J., Xu, M.Q., [Mohamed F. Foda](#), Wu, Y. and Han, H.Y., (2020), *ACS Applied BioMaterials*, 3(4), pp.2392-2400. (Co-Author)
8. H.S. B., [Mohamed F. Foda](#), Jing Ma, and Heyou Han. (2019), *Nanomaterials* 9, no. 5, 674. (Equal First Author)
9. Jin Zhang, Mengqing Xu, Yongli Mu, [Mohamed F. Foda](#), Weiyun Zhang, Kai Han, and Heyou Han. (2019), *Biomaterials*. p.119312 (Co-Author)
10. Weiyun Zhang, Kai Cai, Xuyu Li, Jin Zhang, Zhaoyu Ma, [Mohamed F. Foda](#), Yongli Mu, Xinxin Dai, and Heyou Han\*. (2019), *Theranostics*, 9 (17):4971-4981. (Co-Author)

\*\*For more publication please do follow this [Link](#)





### Most Recent International Conferences:

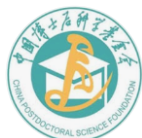
1. **Mohamed F. Foda**, Jinjie Li, Han Heyou at the AAAFM-UCLA International Conference on Advances in Functional Materials **2021, USA**.
2. Heyou Han, and **Mohamed F. Foda** at the IAAM Fellow Lecture in the Advanced Materials online Lecture Series, **2020, Sweden**.
3. **Mohamed F. Foda**, C. Zou, H.B.I, and H. Han\* at the 6<sup>th</sup> International conference NanoOstrava, **2019, Czech Republic**.
4. **Mohamed F. Foda**, Juanni Chen, and He-You Han\* at the 26<sup>th</sup> Assembly of Advanced Materials Congress (AMC) **2019, Sweden**.
5. **Mohamed F. Foda**, Pan Wang, Feng Shao, Heyou Han\* at the 31<sup>st</sup> Assembly of Advanced Materials Congress (AMC), **2019, USA**.

### Published books

1. **Mohamed Foda (2012)**. Young Green Barley Leaves as Natural Antioxi Principles, Concepts, Bioassay. Lap Lambert Academic Publishing 3848401878)
2. Deepak Mishra, **Mohamed Foda (2013)**. Cobranding: A Study o Perception of Customers: Principles, Concepts & Analysis. Lap La Academic Publishing (ISBN: 3659383147).

### Research projects

1. **Principal Investigator (PI)** of the National Natural Science Foundation of China (NSFC) Project **2020**, Approved Project.
2. **Principal Investigator (PI)** of the National Natural Science Foundation of China (NSFC) Project **2018**, Approved project.
2. Approved Project **Participation**, sponsored by National Natural Science Foundation of China).
3. Approved Project **Participation**, Sponsored by National Natural Science Foundation of China, 21175051).
4. Approved Project **Participation**, Sponsored by Natural Science Foundation of Hubei Province Innovation Team, 2011CDA115).
5. Approved Project **Participation**, sponsored by National Key Research and Development Plan Project, Project No. 2017YFD0501101, (**2017**).



**国家自然科学基金委员会**  
National Natural Science Foundation of China





### International and National Awards:

1. **Dedication Award of Huazhong Agricultural University 2019/2020** based on the enormous scientific research achievements as a Postdoctoral Research Fellow as well as a Principal Investigator (PI) and an exceptional contribution to HZAU's double first-class construction.
2. **IAAM Young Scientist Medal Award of 2019** for Prestigious and Excellence research on "Nano-composite" at the 26<sup>th</sup> Assembly of Advanced Materials Congress (AMC) from *Stockholm, Sweden*.
3. **IAAM Award Lecture 2019** at the American Advanced Materials Congress from *Orlando, USA*.
4. **Distinguished International Student Scholarship Award 2015/2016** of Huazhong Agricultural University announced by the China Scholarship Council (CSC).
5. **Young Scientist Lecture Competition Silver Prize 2014** at the 2<sup>nd</sup> USA International Conference on Surfaces, Coatings and Nanostructured Materials (NANOSMAT-USA), *Houston, USA*.
6. **Best Oral Presentation 2014** at the 2<sup>nd</sup> International Conference on Biotechnology Applications in Agriculture (ICBAA), Benha University, Moshtohor, and Hurgada, *Egypt*.
7. **First Prize in the Oral Presentation 2014** at "The Fourth Model International Academic Conference of postgraduate In Huazhong Agricultural University," China.
8. **Poster session First prize 2013** at the Nano Ostrava International Conference, *Ostrava, Czech Republic*.
9. **Best Oral Presentation 2013** at "The Third Model International Academic Conference of postgraduate In Huazhong Agricultural University," China.
10. **Top#1 student of Benha University in 2006** and honored from the President of Egypt in the Science Day.



**With Nobel Prize Winners at HZAU**

### Participation in recreational, sports and social practice

1. Hosting New year postdoctoral event held at Huazhong Agricultural University (HZAU), **2019/2020**.
2. Participated in the pre-selection of 2019 Foreign Volunteer for Yellow Crane tower on 14<sup>th</sup> April **2019**.
3. Participated in the University Flag Passing Activity around the world to celebrate the 120<sup>th</sup> anniversary of the university's dedication and unite the hearts of alumni which started from **2018.05 to 2018.10** a total of 128 days "Fire to the World" for alumni around the world, covering Overseas Alumni Associations and provinces and municipalities throughout the country.
4. Participated in the 2<sup>nd</sup> International Children's Day "Parent-Child Carnival in Wuhan" at Wuhan Yellow Crane Tower June **2018**.





5. Participated at the New Year Gala Show **2017** for International & Chinese Students at HZAU, International college, **China**.
6. Certificate of Completion. This is to certify that **Dr. Mohamed F. Foda** has completed the **2016** National Hiking Conference (Jiangxia Station) and the 3<sup>rd</sup> Ring-around-the-River Summer Hiking University. A total distance of 24 km.
7. Participated in Spring Tour-of-Campus Marathons', at HZAU, **2015**.
8. Attended the International Event held at HUST, **2015**.
9. Nominated as a Volunteer coordinator upon the selection carried out by the International Student Office, HZAU, from **2012 to 2015**.
10. Member of English Radio Station of HZAU from **2012 to 2015**.
11. Contributed to the enrollment of New International students coming to study at HZAU in **2014**.
12. The Host of the International New year event "**WE ARE ONE**" held at HZAU, **2014**.
13. Contributed to the enrollment of New International students coming to study at HZAU in **2013**.
14. Joined the badminton tournament, at HZAU, **2013**.
15. The Host of the International New year event "**WE ARE ONE**" held at HZAU, **2013**.



#### National Conferences and Workshops:

1. Joined the NatureResearch Academics workshop "Communicating Your Research to the Public" given by Jeffrey Robens, PhD, Editorial Development Manager at HZAU with a certificate of Completion, **2019, China**.
2. Participated in the "Second Annual Symposium for International Scholars" at HZAU, **2019**, with a Certificate of Participation, **China**.
3. Joined the workshop of Policies & Procedures—briefing Conference of China Postdoctoral Science Foundation, **2019** in Wuhan, **China**.
4. Participated in the 1<sup>st</sup> China Service Trade Innovation (Wuhan) Summit, **2019, China**.
5. Participated in the F2 Future Forum Science Symposium of 2019 in Beijing held at China World Trade Center, **2019**.
6. Invited Guest at the 20<sup>th</sup> Yichang International Tea Trade Fair **2018**.
7. **Honorable guest** at the **2018 Qingdao SME** procurement at home, abroad, and technical cooperation negotiation meeting, **2018, China**.
8. Participated in the NatureResearch Academics workshop "Effective Science Communication" given by Jeffrey Robens, PhD, Editorial Development Manager at HZAU with a certificate of Completion, **2018, China**.





9. **Invited Lecture** regarding the guides for fund application and career program at HZAU, **2018**.

10. **Invited Lecture** to all new international students of Huazhong Agricultural University held at the orientation program, **2018**, in the lecture hall of the international college, **China**.

11. Contributed to the 1<sup>st</sup> Seminar on Quantum Dot Chemistry, Physics, and Applications at Zhejiang University, **2018, China**.

12. Invited Delegate at the 120<sup>th</sup> Anniversary (1898-2018) of Huazhong Agricultural University, **2018, China**.

13. Attended a Lecture from the 2016 Laureate of Nobel Prize in Chemistry Professor Jean-Pierre Sauvage about “Molecular Machines in Biology and in Chemistry”, HZAU, **China, 2018**.

14. **Invited as an honor hosted scientist and visitor** to the World Recognized Global Forum for Innovation in Agriculture (GFIA), **2017** held in Abu Dhabi National Exhibition center-UAE.

15. **Invited Lecture** to all new international students of Huazhong Agricultural University held at the 4<sup>th</sup> orientation program, **2017**, in the lecture hall of the international college.

16. Invited guest at the International Symposium on Postdoctoral System 2017-Postdoctoral Exchange and Training, **2017, China**.

17. Joined the ICAS 2017 International Conference on Analytical Science, Hainan International Convention & Exhibition Center, **2017, China**.

18. Joined the South Lake Innovation Forum for International Young Talents, HZAU, Wuhan **2017, China**.

19. Joined the 4<sup>th</sup> International Symposium of crop Genomics and Genetic Improvement & Nanhu Youth Scientists Forum of Plant Science, **2016, HZAU, China**.

20. **VIP Guest Speaker** at 11<sup>th</sup> China international scientific instrument and laboratory equipment exhibition, **2013** held in Beijing, **China**.

21. **VIP Guest Speaker** at 10<sup>th</sup> China international scientific instrument and laboratory equipment exhibition, **2012** held in Beijing, **China**.

22. **Invited speaker** in the International Academic Meeting at Huazhong Agricultural University, **2012, Wuhan, China**.

Attended the “Training course on food safety inspection technology for developing countries,” **2012, Beijing, China**.

**Reference**

*Available on Request*

