



mohamed khalaf

Nationality: Egyptian

Phone: (+20) 01140016822

Date of birth: 9 Mar 1995

Gender: Male

Email address: mmmfoas@gmail.com

Email address: Mohamed2014275@science.sohag.edu.eg

LinkedIn: <https://www.linkedin.com/in/mohamed-khalaf-0548b5111/>

Address: Physics Department, Faculty of Science, Sohag University, 82524 Sohag (Egypt)

WORK EXPERIENCE

Research Assistant

Plasma application lab at physics department Faculty of science, Sohag university [Oct 2016 – Current]

City: sohag

Country: Egypt

I gained much experience in atmospheric plasma devices designing as [plasma jet, floating electrode DBD] and the utilizing of these devices in several fields such as; material science *Cultural heritage conservation, Agricultural*, and most important is *Plasma Medicine*, furthermore, I have some experience in dealing with examination and analyses techniques such as "*Spectrophotometer, Contact Angle, Optical Microscope-Image Analyzer,= and X-ray diffraction (XRD)*", Furthermore, I have a considered experience in histological, histochemical, western blot investigation, immunohistochemical investigation and biological imaging analysis by Image J.

EDUCATION

B. Sc. degree (Physics)

[Jul 2017]

Physics Department, Faculty of Science, Sohag University

GPA=A with honour degree

pre-Master (master courses)

[Sep 2019 – Nov 2020]

Physics Department, Faculty of Science, Sohag University

ACADEMIC CAREER

Teaching Assistant

[Mar 2018 – Current]

Sohag (Egypt)

Physics Department, Faculty of Science, Sohag University(egypt)

Research Assistant

[Oct 2016 – Current]

Plasma application lap at physics department Faculty of science, Sohag university

PROJECTS

Molecular Mechanism of cold plasma-mediated acceleration and improvement of wound healing in diabetic mouse model

[Aug 2021 – Current]

project from the Science and Technology Development Fund (STDF)

Manufacture of a plasma unit for the treatment of skin burns and chronic wounds

[Mar 2021 – Oct 2021]

project from the Academy of Scientific Research graduation students(supervisor)

Use of cold plasma to sterilize hands and medical tools

[Jul 2020 – Current]

project from the Academy of Scientific Research

Non - thermal plasma effect in the treatment of skin diseases

[Jan 2018 – Oct 2018]

project from the Academy of Scientific Research graduation students(supervisor)

CONFERENCES AND SEMINARS

The National Conference for Egyptian Expat Scientists and Experts "Egypt Can"

[Hurghada, 14 Dec 2016 – 15 Dec 2016]

3rd international Egy Nanophotonics and nanophononics conference

[Hurghada, Egypt, 26 Sep 2018 – 29 Sep 2018]

Oral presentation entitled "Does Atmospheric Pressure Plasma Stimulate Genetic Molecules to Resist Cancer"

Cairo International Exhibition for Innovation

[Cairo , Egypt, Oct 2018]

poster entitled" Non-thermal plasma effect in the treatment of skin diseases "

7th scientific conference for young researcher 2022

[sohag-Egypt, 2 Mar 2022 – 3 Mar 2022]

Oral presentation entitled "effect of cold atmospheric plasma on diabetic wound healing "

7th Plasma School 2022

[Port Said-Egypt, 6 Mar 2022 – 8 Mar 2022]

Oral presentation entitled "effect of cold atmospheric plasma on diabetic wound healing "

TRAINING

Image analysis using Image J

[30 Jan 2021 – 31 Jan 2021]

Application of Tissue Culture in Horticultural Crops

[14 Jul 2019 – 18 Jul 2019]

at faculty of agriculture, ain shams university

3rd summer school on Basic Physics

[28 Aug 2016 – 8 Sep 2016]

at CFP at Zewail City of Science and Technology.

First Summer –Training in Theoretical Particle Physics

[2 Aug 2015 – 13 Aug 2015]

at ECTP

RECOMMENDATIONS

Professor of Plasma application at Physics department, faculty of science

Name: Prof. Dr. Fayez El-Hossary

Phone number: (+20) 01001680779

Email: fayez1004@hotmail.com

director of Plasma application lab

Professor of material science at Physics department, faculty of science

Name: prof. Dr. E.M.M. Ibrahim

Phone number: (+20) 01283113175

Email: e.ibrahim@science.sohag.edu.eg

the head of the Department of Physics Previously

lecture of histology ,faculty of medicine sohag university

Name: Dr.sahar gebрил

Phone number: (+20) 01023846720

Email: gebrilsahar@yahoo.com

lecture of histology ,faculty of medicine sohag university