



### **Basic Information :**

**Name :** mohamed

**Title :** Lecturer

Mohamed Mokhtar Saad.

was born on 25/11/1984

Faculty of Engineering at

Future University in Egypt. B.Sc degree in physics from Ain Shams

University in Egypt in 2006. finished premaster coeres in physics from Ain

Shams University in Egypt in 2009. Obtained master degree in the field of plasma

physics from Ain Shams University. My master was in the one

atmosphere uniform glow discharge plasma panel (OAUGDP), it is a kind of panel that

allows making some sharp and clear pictures of glow and cold discharge plasma. The

panel is a sheet that made of polystyrene foam. In our laboratory; the (OAUGDP) was

created by two different circuits (traditional and electronic). I worked at Future University in Egypt as teaching

assistance from 2006 until now.

Where I participated in preparing the heat, properties of matter, electricity, magnetism

and modern physics laboratories. Now I have good experience in teaching for young

students and researchers.

### **Education:**

Certificate	Major	University	Year
PhD	Natural Sciences	The PUHR University Of BOCHUM RUB	2018
Masters	Science of Physics	Ain Shams University - Faculty Of Science	2013
Bachelor	Physics	Ain Shams - Egypt	2006

### **Teaching Experience:**

Name Of Organization	Position	From Date	To Date
FUE	Teaching Staff Member	21/12/2006	Current

### **Researches / Publications :**

Removal of chemical and microbial water pollutants by cold plasma combined with Ag/TiO<sub>2</sub>-rGO nanoparticles

The Fate of Molecular Species in Water Layers in the Light of Power-Law Time-Dependent Diffusion Coefficient

Subdiffusive Reaction Model of Molecular Species in Liquid Layers: Fractional Reaction-Telegraph Approach

Efficacy of Cold Atmospheric Plasma Treatment on Chemical and Microbial Pollutants in Water

The transport and surface reactivity of O atoms during the atmospheric plasma etching of hydrogenated amorphous carbon films

Physical Chemistry Chemical Physics

The fate of plasma-generated oxygen atoms in aqueous solutions: nonequilibrium atmospheric pressure plasmas as an efficient source of atomic O(aq)

Oxygen atoms are critical in rendering THP-1 leukaemia cells susceptible to cold physical plasma-induced apoptosis

Electrical Parameters of One Atmosphere Uniform Glow Discharge Plasma

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plasma Physics

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