



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 courses 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	Lecturer	21/12/2006	Current

Researches / Publications :

The Contribution of Electrode Spacing and Operating Voltage on the Time-resolved Optical Emission Spectra of Atmospheric-pressure Air and Ar DBD Plasma

Tempered fractional diffusion in comb-like structures with numerical investigation

Cold atmospheric plasma: a sustainable approach to inactivating viruses, bacteria, and protozoa with remediation of organic pollutants in river water and wastewater

Anomalous kinetic study of atenolol release from ATN@DNA a core-shell like structure

Removal of chemical and microbial water pollutants by cold plasma combined with Ag/TiO₂-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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