

# MOHAMED NASR

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## EDUCATION

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- PhD degree in LIBS analysis technique at ODU in July 2011.
- Master Degree in ACCELERATOR PHYSICS from Michigan State University in May 2003.
- High Diploma in Astronomy and Meteorology from Cairo University May 1986.
- B.Sc. in General Physics from Al-Azhar University.

### Courses:

- Psychological and Behaviorism in 1989.
- Class Management's concepts, importance and methods 1990.
- Teaching Planning in 1999.
- Methods of teaching Science 2000.

## PUBLICATIONS

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- Spectral analysis of Miracle Moringa tree leaves using X-ray photoelectron, laser induced breakdown and inductively coupled plasma -optical emission spectroscopic techniques. **Talanta**, (2020)
- Determination of heavy metals in cancerous and healthy colon tissues using laser induced breakdown spectroscopy and its cross-validation with ICP-AES method. **Journal of Pharmaceutical and Biomedical Analysis**. (2020) 10, 183 - 193
- Detection of toxic elements using laser-induced 2 breakdown spectroscopy in smoker and 3 nonsmoker's teeth and investigation of 4 periodontal parameters. (**Journal of applied Optics**- (2013)Vol. 54, No. 27)
- Detection of Hazardous Pollutants in Chrome Tanned Leather Using Locally Developed Lased Induced Breakdown Spectrometer (**Journal of Environmental Science and Health Part A** (2010) 49, 728–635)
- Detection of lead in paint samples synthesized locally using-laser-induced breakdown spectroscopy (**Journal of Environmental Science and Health, Part A** (2010) , VOL 46, ISS 1)

- Spectroscopic detection of health hazardous contaminants in lipstick using Laser Induced Breakdown Spectroscopy (**Journal of Hazardous Materials** 175 (2010) 726–732).
- Determination of Trace Metals Using Laser Induced Breakdown Spectroscopy in Insoluble Organic Materials Obtained from Pyrolysis of Plastics Waste (**Bull Environ Contam Toxicol** (2009) 83:141–145)
- Determination of trace elements in volcanic rock samples collected from lava Cenozoic eruption sites using LIBS (**Journal of Environmental Science and Health Part A** (2009) 44, 528–535)
- Detection of Trace Metals in Asphaltenes Using an Advanced Laser-Induced Breakdown Spectroscopy (LIBS) Technique (**Energy Fuels** 2010, 24, 1099–1105 : DOI:10.1021/ef900973s Published on Web 11/02/2009).

## EXPERINCES

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- Assistant Professor at **Riyadh Elm University**, 2004 - Current
  - Course Director of physics subjects.
  - Supervisor for postgraduate students of master degree.
  - Attendant and participant in national and international conferences.
- Physics teacher at **Dar Uloom high school**, 2000 - 2004
  - Managing the schools staff as a Physics supervisor.
  - Preparing textbooks for teaching science in English for all years.
  - Establishing the science club for the scientific traps and inventions.
  - Conducting interviews with the newest science teachers.
  - Planning a program for weak students who have low score in Physics .
  - Constructing large number of laps to make science experiments easier and more interesting.
  - Running a program for talented students.
- Author and teacher at The **Ministry of Education in Saudi Arabia**, 1988 - 2000
  - Physics teacher in the secondary stage department.
  - Participant in the examinations committee across the whole state.
  - Participant in developing and updating physics textbooks of secondary stage.
  - Participant in the inventions competition for talented students.
- Weather Forecaster at The **Ministry of civil Aviation**, 1986 - 1988