

MU_FSCI_PHYS_SOL_DATA_Mohamed.El-Hofe

Prof. Dr. Mohammed Ebrahim El-Hofy

Address

**Physics Department, Faculty of Science El-Menoufia
University, Egypt.**

Personal

Born; 8 / 11 /1956. Basuun, El-Garbeia Governate, Egypt.

Education

1993. Ph. D., Physics and Mathematics, Faculty of Physics Moscow
State University.

1985. M. Sc., Experimental Physics, Physics Department, Faculty of
Science Cairo University.

1983. Diploma., Radiation physics, Faculty of Science, Physics
Department Cairo University

1978. B.Sc., Physics, Physics Department, Faculty of Science, Tanta
University// grade, very good.

Positions

2007- Present, Professor. Physics department, faculty of science,

Menoufia University, Menoufia, Egypt

2000 -2007 Prof. Associate, Physics department, faculty of science,

Menoufia University, Menoufia Egypt.

1994-2000 Lecturer, physics department, faculty of science,

Menoufia University

1985-1994. Lecturer Assistant, Physics department, faculty of

science, Menoufia University, Menoufia, Egypt.

1984-1985 Demonstrator faculty of science, Menoufia University

1981-1984 Demonstrator faculty of education, Menoufia

University, Egypt.

MAIN RESEARCH TOPICS

- 1- *Materials science*, electrical properties of electro-ceramics, and the interplay between the structure of the materials and electrical properties.

Attended Int. Conferences

- 1- Int. Conf. on Advanced and Laser Technology (ALT92), Zalenajrad, Moscow,

1992

- 2- Int. Confs. On Electronic Components and Materials (ICECM) - Sensors and

Actuaors (ICSA), Xi'an China 1995

- 3- Int. Workshop on High Tc Superconductors, Rajshahi University, Bangladesh,

2-6 Nov.1998

- 4- Spectroscopies in Novel Superconductors, Sitges, Spain, July 11-16 /2004

- 5- Spectroscopies in Novel Superconductors, Sendai, Japan Aug. 20-24/2007

Honors

Included in most of the biographical references from the following international

centers;

[1] Marquis Who's Who

- 1- Who's Who in the world
- 2- Who's Who in America
- 3- Who's Who in Science and Engineering

[2] American Biographical Institute

- 1- International Directory of Experts and Expertise.
- 2- 500 Great Leaders- HONORS EDITION
- 3- Great Minds of the 21st Century
- 4- International Profiles of Accomplished Leaders.

[3] International Biographical Center, Cambridge Uk.

- 1- THE CAMBRIDGE BULE BOOK OF FOREMOST INTERNATIONAL SCIENTISTS.
- 2- 2000 OUTSTANDING INTELLECTUALS OF THE 21st CENTURY.
- 3- 2000 OUTSTANDING SCIENTISTS OF THE 21st CENTURY - INUGURAL EDITION-
- 4- DICTIONARY OF THE INTERNATIONAL BIOGRAPHY -32nd EDITION
- 5- Great Lives of 21st century – First Edition.
- 6- 2000 OUTSTANDING ACADEMICS OF THE 21st CENTURY.

Relevant Publications

1- Electrical conductivity of Gamma irradiated Ti Silicate glasses.

A. Tawansy , Morsi M. Morsi, S. El-konsol and M. El-Hofy.
J. Phys. Chem. Solids Vol. 48, No. 8, (1987) pp.723-728

2- Elastics Constants of Soda-Lime Silica Glasses doped with Titanium Oxide

A.A. Higazy, A.M. Hussein, M.A. Ewaida and M. El-Hofy
Physics and chemistry of Glasses Vol. 28 No. 4 August 1987 pp164-167

3- The Effect of Temperature on the Optical Absorption Edge of the Titanium

Oxide – Doped Soda- Lime Silica Glasses

A.A. Higazy, A.M. Hussein, M.A. Ewaida and M. El-Hofy
Journal of material Science Letters 7(1988)453-456

4- The use of Lexan Plastics as Alpha Particle and Neutron Dosimeters

A. A. Abou El-Kheir, M. El-Shahawy, A. Hussein, H. El-Samman and M. El-Hofy
Polymer Degradation and Stability 39 (1993)169-172

5- Gamma radiation Effect on HTc- YB at Low Doses

M. El-Hofy V.A. Mashtokova, T.M. Syblava, M. H. Gagarof and O.A. Troetcky
Proc. Int. Conf. on Advanced and Laser Technology (ALT92) Vol. 2 (Zalenajrad, Moscow).

6- Effect of Gamma Radiation Interaction on the Electronic Structure of Y-Ceramic

M. El-Hofy V.A. Mashtokova, T.M. Syblava, M. H. Gagarof and O.A. Troetcky,
Black Sea Metallurgy, Okrania 8 (1933) pp.71-74

7- Macro quantum Phenomena associated with high Tc superconductivity in HTc- YBCO system

M. El-Hofy
Proc. Int. Confs. on Electronic Components and Materials(ICECM) - Sensors and
Actuators(ICSA), Xi'an China 1995, pp. 242

8- Prediction of the Optimum Grain size to Attain Maximum Tc and Jc in YBCO

Superconductors

M. El-Hofy, M. R. Salem and M. M. Abou Sekkina
Supercond. Sci. Technol. 8 (1995) 870-873. (UK)

9- Relationship between Critical Temperature, Oxygen Deficiency and Meissner

Fraction in $YB_2Cu_3O_{7-\delta}$

M. El-Hofy
Supercond. Sci. Technol. 10 (1997) 403-408. (UK)

10- EPR- Studies of Some Mn-Zn Ferrites

M. El-Hofy and M. M. Abou Sekkina
Interceram, Vol. 46.No. 1, 1997, (Germany)

11- Electrical Investigation of Some Silver Containing Ceramic obtained from

Co-precipitated Oxalates

M. El-Hofy, A. M. Donia and M. M. Abou Sekkina
J. Mater. Sci. Technol., Vol. 15 No. 1, 1999 China

12- Optical Density of the etched α tracks in CR- 39 Nuclear track Detectors

M. El-Hofy and H. Elsamma
Radiation measurements Vol. 29, No. 5 (1998) pp. 461-464

13- Doped YBCO with Critical Temperature Higher than 100K

M. El-Hofy and M. M. Abou Sekkina
Proc. Int. Workshop on HTc Superconductors, 2-6 Nov. 1998 pp. 393-402
Rajshahi University, Bangladesh

14- Determination of the range of Alpha Particles in SSNTD by Optical Density

Method

M. El-Hofy, H. Elsamma and W. Arafa
Proc. of 19th Int. Conf. on Nuclear Tracks in Solids, August 31- September 4 (1998)
Besancon, France. &
Radiation measurements Vol. 31 (1999) 241- 244,

15- Ionic Conductivity in Mo₃- BaF₂- AgI-LiF Glasses

M. El-Hofy, I. Z. Hager
phys. Stat. sol. (a) 182 (2000) 697, (Germany)

16-EPR and Transport properties of Cr-Doped La-Cuprate Semiconductor

M. M. Abou-Sekkina and M. El-Hofy
Interceram 50 (2001)[2], p 120. Germany.

17- ELECTRICAL PROPERTIES OF SOME ZINC VANADIUM CERAMICS

M. El-Hofy, A. H. Salama,
Vol. 52 (2003) [5] Interceram (Germany)

18- INVESTIGATION OF SPECTRAL ABSORPTION AND ELASTIC MODULI OF

LITHIUM HALOBORATE GLASSES

Z. Hager and M. El-Hofy,
phys. Stat. sol. (a) 198. No. 1, 7- 17 (2003), (Germany)

19- IONIC CONDUCTIVITY IN LITHIUM HALOBORATE GLASSES

M. El-Hofy and I. Z. Hager
phys. Stat. sol. (a) 198. No 3, 448 – 456 (2003), (Germany)

20- CRYSTAL FIELD MODIFICATION BY DOPING IN HTc YBCO

M. El-Hofy, M. El-Shahawy, R. Ebrahim,
Defect and Diffusion Forum Vols, 226-228 (2004) pp. 197-207, 2004 Trans Tech Publications, Switzerland

21- GRAIN BOUNDARY DEFECTS IN ZnO CERAMIC DOPED Mo

M. El-Hofy,
Defect and Diffusion Forum Vols, 242-244 (2005) pp. 107-114, 2005 Trans Tech Publications,
Switzerland

22- GRAIN BOUNDARY DEFECTS INDUCED SWITCHING IN Zn-Bi-Mo CERAMIC

M. El-Hofy,
Defect and Diffusion Forum Vols, 251-252 (2006) pp.13-20, Trans Tech Publications, Switzerland

23- THEORETICAL MODEL FOR CALCULATION OF THE GLASS TRANSITION

TEMPERATURE UTILIZING THE CHEMICAL COMPOSITION

M. El-Hofy,
Glass physics and Chemistry, 2007 vol. 33 No. I, pp. 68-71© Pleiades publishing, Ltd, 2007.
(Moscow)

24- Synthesis and characterization of Ba defective ZnO Nano- Particle

M. El-Hofy*, A. Salama,
Defect and Diffusion Forum Vols, 280-281 (2008) pp. 1-8, Trans Tech Publications, Switzerland

25- Non-Omic Behavior of Some ZnO Ceramic Defective Ions with different Valences

M. El-Hofy

Defect and Diffusion Forum Vol, 293 (2009) pp.9 1-97, Trans Tech Publications,
Switzerland.

The marked paper was in the list of the most downloaded papers of the journal.