

## MU\_FSCI\_PHYS\_SOL\_DATA\_Lobna.Sharaf El-Din

**First Name :** Lobna

**Middle Name:** Mohammed

**Last Name:**Sharaf Eldeen

**Position:** Shibin El-Koom, Menoufia, EGYPT.

**Title:** Dr.

**Date of Birth:** 11/6/1959

**Place of Birth:** Shibin El-Koom, Menoufia, EGYPT

**Nationality at Birth:** Egyptian

**Current Nationality:** Egyptian

**Languages:** English

**Sex:** female

**Status:** Married

**Husband :** Dr. Meawad Elkholy

**Suns:** three

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**Specialty:**

**Major:** Experimental solid stat physics

**Minor:** semiconductors and Superconductors Physics

**EDUCATION AND DEGREE:**

- November. 1992: Ph.D. in Solid State physics " conductivity and super-conductivity of some materials containing chalcogenids and oxides"
- November 1987: Masters in Solid State Science, ""Study of the Radiation Effect on some Ceramic Oxides"
- May 1981: B.Sc. Special Physics.

## MU\_FSCI\_PHYS\_SOL\_LINK\_Lobna.Sharaf El-Din

### Professional Experience:

March 2003 till now: Associate Professor of Solid State Physics.

1992-2003: Assistance Professor of Physics.

1987-1992: Lecturer of Physics.

1981-1987: Demonstrator.

### FIELDS OF INTEREST

Optical, Electrical, Thermal, and Dielectric Properties of new Solid Materials  
"Semiconductors, chalcogenides and Oxides Glasses", Superconductivity.

### Memberships:

1. The Egyptian Society of Solid State Science and Applications.

### Expertise in the Following Experimental Techniques:

Dielectric and polarization, spectroscopy, X-ray diffraction, Low and high temperature Measurements, Superconductivity

### Achievements:

1. Patents for High temperature Superconductivity Menoufia-1 (EGYPT).
2. The best researcher in the Menoufia University 1995...
3. Attendance of Many National and International Conferences.
4. Teaching many courses for undergraduate students in Faculties of, Science, Education and Engineering.
5. Teaching courses for postgraduate students in Faculty of Education.
6. head of Department of Physics ( 12 years) in Faculty of Education for Girls ,Gaseem university, K.S.A

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### List of Publication

1. "The dielectric properties of amorphous SbSeGe chalcogenide glasses" A.A. El-Hamalawy, M.M. El-Zaidia, M.M. Elkholy, and L.M Sharaf El-Deen Electronic Engineering Bulletin, No. 5, 30 (1993).
2. "The optical absorption spectra studies for amorphous GeSeSb chalcogenide glass system "A.A. El-Hamalawy ,M.M. El-Zaidia, M.M. Elkholy , and L.M. Sharaf El-Deen, Electronic Engineering Bulletin, No. 5, 49 (1993).
3. "Response of YBCO superconductor doped with strontium after gamma irradiation" M.M. Elkholy, L.M. Sharaf El-Deen, A.A. El-Hamalawy, M.M El-Zaidia, and W.M. Hussein. Radiation Physics and Chemistry, 47, 691 (1996).
4. "The optical absorption spectra studies for  $\text{CuO}_2\text{-Bi}_2\text{O}_3$  glass system M.M. Elkholy, Z.I. El-Badawy, A.A. El-Adawy, and L.M. Sharaf El-Deen J. Materials Science: Materials In Electronics, vol. 6, no. 6, p. 409-414 (1995)
5. - "Dielectric properties and polarizability of molybdenum tellurite glasses" R.A. El-Mallawany, L.M. Sharaf El-Deen M.M. Elkholy,, Materials Science, 31, 6339 (1996).
6. - "Analytical investigations using X-ray diffraction, IR, and ESR analyses on vanadium-substituted Y-Ba-Cu-O oxide" A.A. Salem, L.M. Sharaf El-Deen and M.M. Elkholy, J. Materials Science Lett., 18 , 71-79 (1999).
7. "The ac conductivity for  $\text{CuO}_2\text{-Bi}_2\text{O}_3$  glasses" L.M. Sharaf El-Deen, Materials Chemistry and Physics, vol. 65 (3) 275-281 (2000).

8. "The dielectric properties of  $\text{TeO}_2\text{-P}_2\text{O}_5$  glasses" M.M. Elkholy and L.M. Sharaf El-Deen, Materials Chemistry and Physics, vol. 65 (2)192-196 (2000).
9. " The dielectric polarizability of amorphous  $\text{Cu}_2\text{O-Bi}_2\text{O}_3$  glasses", L.M. Sharaf El-Deen .and M.M. Elkholy, Complexity International, Vol.9 (2002).
10. "An Aspect of the Fe distribution of  $\text{YBa}_2\text{Cu}_{3-x}\text{Fe}_x\text{O}_y$ :Electrical and Mössbauer Studies", M.M. Elkholy, L.M. Sharaf El-Deen and M.A. El-Shahawy, Egyptian Journal of Solids, Vol. 25/1, 85-96 (2002).
11. IR AND UV SPECTRAL STUDIES FOR RARE EARTHS DOPED TELLURITE GLASSES, L.M. Sharaf El-Deen, M.S. Al Salhi, and M.M. Elkholy, J. Non-Cryst. Solids, Journal of Alloys and Compounds, accepted for publication (2007).
12. Radiation induced color centers in  $50\text{PbO-50P}_2\text{O}_5$  glasses L.M. Sharaf El-Deen, M.S. Al Salhi, and M.M. Elkholy, Non-Crystalline Solids, accepted for publication (2007).
- 13.. Spectral properties of  $\text{PbO-P}_2\text{O}_5$  glasses L.M. Sharaf El-Deen, M.S. Al Salhi, and M.M. Elkholy, Non-Crystalline Solids, accepted for publication (2007).