

# CURRICULUM VITAE

**Name:** Kafadaryan Yevgenia

**Affiliation and official address:** Institute for Physical Research of the National Academy of Sciences, Ashtarak-2, 378410, Armenia

**Date and place of birth:** February 13, 1945, Tbilisi (Georgia)

## **Education:**

1966 - Master of Science, Physics department, Yerevan State University

1980 – PhD, Moscow State University of M. V. Lomonosov, Moscow

Thesis “The study of hydrogen-containing ferroelectrics under hydrostatic pressure and high frequencies

## **Career/Employment:**

1992 - Institute for Physical Research, Armenian National Academy of Sciences, Senior Researcher, Head of Spectroscopic Team

2006- Physics and Engineering department, Russian-Armenian University, Associate Professor

1980-1992 Institute for Physical Research, Scientific Researcher

1974-1980 Institute for Physical Research, Junior Researcher

1968-1972 Moscow State University of M.V. Lomonosov, Moscow, Post-graduate student

1966-1972 Institute of Energetics, Junior Researcher

## **Specialization:**

(i) main field Condensed matter

(ii) other fields Thin film physics, ferroelectrics, material science, optical spectroscopy

(iii) current research interests Physical properties thin semiconducting films, ferroelectric films for nonvolatile ferroelectric memory

## **Honours, Awards, Fellowships, Membership of Professional Societies:**

Member of Armenian Optical Society

**Grants:** CRDF/ (2003), ANSEF/ (2008, 2009)

## **Publications:**

Number of papers in refereed journals: 59

Number of communications to scientific meetings: 45

**Languages:** Russian, Armenian, English, Georgian

## **Selected publications:**

1. Investigation of photoelectrical properties of CdSe nanocrystals embedded in a SiO<sub>2</sub> matrix. E. A. Kafadaryan, S Levichev, S R C Pinto, N.R.Aghamalyan, R K Hovsepyan, G R Badalyan, A Chahboun, A G Rolo, M J M Gomes *Semicond. Sci. Technol.* **23** (2008) 095025.
2. Electrical properties of LaB<sub>6</sub>/PZT/Ag structure with asymmetric interface charge distribution. Y. A. Kafadaryan, N. R. Aghamalyan, S. I. Petrosyan, R. K. Hovsepyan, V.

- G. Lazaryan, A. S. Kuzanyan *Proc. of SPIE Vol. 7998 79980C-1*.
3. Effect of free carriers on optical functions of n-type ZnO:Ga films. Y. Kafadaryan, N. Aghamalyan, S. Petrosyan, A. Shirinyan, N. Aramyan, R. Hovsepyan *Proceedings of SPIE, 7998 (2011) p.49*.
  4. Structural Characteristics of La<sub>2</sub>O<sub>3</sub> Thin Film Grown on LaB<sub>6</sub>. Y. A. Kafadaryan, S. I. Petrosyan, G. R. Badalyan, V. G. Lazaryan, G. H. Shirinyan, N. R. Aghamalyan, R. K. Hovsepyan, H. S. Semerjian, A. S. Igityan, A. M. Kuzanyan., *International Journal of Modern Physics: Conference Series, Volume 15, N1, p. 61 (2012)*
  5. N R Aghamalyan, E A Kafadaryan, R K Hovsepyan , R. B. Kostanyan. S. I. Petrosyan, G. H. Shirinyan, A. Kh. Abduev, A. Sh. Asvarov, Features of phase formation of Er<sub>2</sub>O<sub>3</sub> films during electron-beam evaporation, *Journal of Contemporary Physics (Armenian Academy of Sciences), vol. 47, N5, 2012, p.236 -240*.