

CURRICULUM VITAE

UMAPADA PAL, Ph. D.

Contact info: **Tel.:** +52-222-2439125.
E-mail: umapadapal@hotmail.com

Place and date of birth: Midnapore (West Bengal, India), 23rd January, 1960.

Nationality: Indian

Merital status: **Married**

CURP: **PAXU600123HNELXM03**

RFC: **PAXU6001235P9**

Language ability: English (100%), Spanish (90%), Bengali (100%), Hindi (70%)

Present position: **Profesor Investigador Titular ‘C’** (Full professor, since May, 1995), **Instituto de Física, Benemérita Universidad Autónoma de Puebla, 18 Sur y Av. San Claudio, Edif. 14, Ciudad Universitaria, Col. San Manuel, Puebla, Pue. 72570, México.** **Tel:** +52-222- 2295500 Ext. 2047; **Fax:** +52-222-2295611. E-mail: upal@ifuap.buap.mx

PROFESIONAL PREPARATION (Academic Qualifications):

- * Bachelor of Science (B.Sc.) [honors in Physics], University of Calcutta, India, (1979-1982).
- * Master of Science (M.Sc.) [Physics], University of Calcutta, India, (1982-1984).
- * Bachelor of Education (B.Ed.), University of Calcutta, India, (1984-1985).
- * Doctor of Philosophy (Ph.D.) in Science, Indian Institute of Technology (IIT), Kharagpur, India, (1985-1991). Thesis Title: *Studies on the structural, electrical, optical and opto-electronic properties of vacuum evaporated ZnTe films and fabrication of CdTe/ZnTe photodetectors.*
- * Posdoctoral Fellow, Complutense University, Spain, (1993-1994).
- * Brain Pool Fellow, Sogang University, Seoul, Republic of Korea (2009).

APPOINTMENTS:

May 1995 – till date	Profesor Investigador Titular ‘C’, (full professor) Instituto de Física, Benemérita Universidad Autónoma de Puebla, Mexico.
21-12-2008 to 20-12-2009	Brain Pool Fellow, Sogang University, Seoul, Korea.
20-09-01 to 18-12-01	JSPS Fellow, Agency of Industrial Science and Technology (AIST), Tsukuba, Japan.

14-03-99 to 31-03-99	AIST Fellow, National Institute of Materials and Chemical Research (NIMC), Tsukuba, Japan.
27-03-97 to 26-06-97	STA Fellow, National Institute of Materials and Chemical Research (NIMC), Tsukuba, Japan.
01/01/93 – 31/12/94	Postdoctoral Fellow, Instituto de Ciencias Físicas, Depto. Física de Materiales, Universidad Complutense de Madrid, España.
27-05-92 to 28-12-92	Junior Scientific Officer (JSO), Microelectronics Center, Indian Institute of Technology (IIT), Kharagpur, India.
04-11-91 to 30-04-92	Senior Research Assistant (SRA), Microelectronics Center, Indian Institute of Technology (IIT), Kharagpur, India.
01-09-90 to 30-10-91	Research Scientific Staff (project), Department of Physics and Meteorology, Indian Inst. of Technology, Kharagpur, India.

Specialization: Synthesis of Nanostructured Materials (Semiconductors, Metals, and Ceramics); Thin films; Structural, Optical, Electrical, and Opto-electronic properties; Catalysis, Electrocatalysis, Solar Cells, Sensors.

Areas of Research Interest:

Synthesis of and characterization of Nanostructured Materials; Semiconductors (metal oxides and other II-VI semiconductors), Ceramics, Metals (mono- and bimetallic systems), and Composites. Thin films (metal, II-VI semiconductors), structural, optical, electrical and optoelectronic properties. Catalytic, Photocatalytic, Plasmonic, Display, and Biomedical applications.

EXPERTISE:

Synthesis of nanostructures (metals, semiconductors, ceramics) by physical and chemical techniques; high-vacuum deposition techniques. Materials characterization by XRD, SEM, TEM, HRTEM, XPS, PL, CL, CL-SEM, FTIR, Raman, and UV-Vis spectroscopy techniques. Operation of all high vacuum and ultra-high vacuum systems.

Administrative activities:

1. University Academic Council member (Substitute), BUAP, 2001-2002.
2. Internal Evaluator of the DES (Fortalecimiento de la Dependencia de Educacion Superior) and PIFI (Programa Integral de Fortalecimiento Institucional), BUAP. 2003, 2004.
3. Institutional Council Member, IFUAP, 2005-2007.
4. Postgraduate coordinator, Materials Science Program, Institute of Physics, BUAP. February 2010 - till date.