

**SHORT CURRICULUM VITAE  
DR. ANJALI PAL**

**Personal Information and Present Position**

Associate Professor, Department of Civil Engineering, IIT Kharagpur 721302  
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**Education**

1988	Ph. D. (Chemistry), Calcutta University
1978	M. Sc. (Chemistry), Calcutta University
1976	B. Sc. (Hons. in Chemistry), Calcutta University
1973	H. S., WBBSE

**Awards and Scholarship**

- National Scholarship (HS Exam.)
- Convention Award (INDIAN CHEMICAL SOCIETY) (1988)
- Advanced Technology Award / International Hall of Fame Award (INVENTORS CLUB OF AMERICA) (1993)
- R & D 100 -Award (DOE, USA) (1994)

**Research Experience**

- In India and abroad (USA & JAPAN) more than 25 years

**Teaching Experience**

- Taught various courses in Chemistry and in Civil Engineering Department during the last 15 years & Taught in other Universities as a guest teacher.

**Guidance in B. Tech. / M. Tech. / Ph. D. Levels**

Guided students at the above three levels on various topics such as

- Arsenic remediation
- Pollution abatement
- Nanomaterials synthesis, characterization and application
- Adsorption / Adsolubilization

**Research Publications**

- In Standard National / International Journals: **170**
- In National / International Conferences: **65**

## **Research Field of Interest**

- (1) Nanomaterials syntheses and applications;
- (2) Pollution abatement and Environmental Engineering;
- (3) Natural Product Chemistry;
- (4) Analytical Chemistry.

## **Position of Authority Held**

- Invited for joining the “*Editorial Advisory Board of Recent Patents on Nanotechnology*” (*Bentham Science Publications Ltd.*)
- Acting as a co-Editor in the journal “*Research Journal of Chemistry and Environment*”
- Acting as a Reviewer / Referee for the many National/International Journals

## **Foreign Invitation/Collaboration**

*Invited as a Visiting Scientist to work with Dr. Tuan Vo-Dinh in the Oak Ridge National Laboratory, USA*

- During 1989-1991
- During 1993 (May-July)
- During 1998 (May-July)

*Invited as a Visiting Fellow to work with Prof. Kunio Esumi in the Tokyo University of Science, Japan*

- During 2003 (June-July)

*Invited as Professional Advisor to Work with Prof. C. P. Wong in Georgia Institute of Technology, Atlanta, USA*

- During 2005 (June-July)

*Invited to the National University of Singapore to deliver a talk on “Nanogold Dissolution”*

- During 2003 (July)

*Invited for Faraday Discussion 132 to be Held in the Imperial College London to deliver a talk on “Synthesis and Characterization of SERS Gene Probe for BRCA-1 (Breast Cancer)”*

- During 2005 (September)

*Invited to deliver talks on “Synthesis of Coinage Metal Nanoparticles and its Application to SERS”*

- During 2006 (December) to The University of Catania (Italy) and
- National Nanotechnology Laboratory of CNR-INFN (Italy)

*Invited to deliver a series of lectures in different universities in Taiwan*

- During 2008 (May-June)
- During 2009 (December)

*Invited for scientific collaboration with Prof. Tuan Vo-Dinh in Duke University, NC, USA*

- During 2009 (June-July)
- During 2010 (June-July)

*Invited for scientific collaboration with Prof. Thomas Thundat in University of Alberta, Canada*

- During 2012 (June-July)

*Invited for scientific collaboration with Prof. Yuichi Negishi in Tokyo University of Science, Japan*

- During 2014 (December)

#### **Sponsored Research Project Undertaken**

- Acted as the investigator for the DST sponsored project entitled "*Development of a low-cost technology for arsenic-removal and an easy to detect method for arsenic analysis for the rural areas of West Bengal*"
- Acted as the investigator of ISIRD project entitled "*Synthesis and characterization of mono- and bimetallic nanoparticles on supported systems and their application for the degradation of organic pollutants*"
- Acted as the co-investigator for the Calcutta University sponsored project entitled "*Determination of leishmanicidal potential of metal nanoparticles and their conjugates*"