

BIOGRAPHY OF DR. GURMEET KAUR



Dr. (Mrs.) Gurmeet Kaur
Reader (Associate Professor) in Chemistry
SGTB Khalsa College, University of Delhi
Delhi-110 007, India.

M.Phil. (Gold Medalist),
M.Sc. (Gold Medalist),
“The Distinguished teacher award”
by

The former President of India Sh . A.P.J. Abdul Kalam.
Egerton University, Kenya (Awarded the certificate of
Merit for teaching)

The Annapurna Award for the best paper “Inhibition of zinc corrosion by benzotriazole and benzimidazole in KOH solution – surface characterization by ESCA & SEM”, Trans. SAEST 26, No. 2-3, 1991, 182-88 (given in April 1994).

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Research Experience:

- As a teaching staff of SGTB Khalsa College (University of Delhi) doing research on metal corrosion inhibition and study of adherent films, surface cracks, their pit sizes etc. by SEM, Quantum Chemical Calculations of Corrosion Inhibitors in collaboration with Chemistry Department, University of Delhi.
- From August 1979 – October 1980, I worked as a Junior Research Fellow (Council of Scientific & Industrial Research, Delhi) for my M.Phil. Thesis in Chemistry from Kurukshetra University under the supervision of Prof. H.L. Bhatnagar.
- From October 1980 – February 1984, I worked as a Guest worker while teaching in a College for my Doctoral thesis in the Department of Chemistry, University of Delhi,

under the joint supervision of Prof. N.K. Ray and Prof. Gurmeet Singh of Chemistry Department, University of Delhi, Delhi-110 007.

- Currently working on UGC research project entitled “Selection of Corrosion Inhibitors through Quantum Chemical Calculations”

Awards :

- Honoured with “The Distinguished teacher award” of University of Delhi on 7th Sept. 2009 by The former President of India Sh . A.P.J. Abdul Kalam.
- The Annapurna Award given by the Society for Advancement of Electrochemical Science & Technology (SAEST) for the best paper of 1991 entitled, “Inhibition of zinc corrosion by benzotriazole and benzimidazole in KOH solution – surface characterization by ESCA & SEM”, Trans. SAEST 26, No. 2-3, 1991, 182-88 (given in April 1994).

Teaching Experience:

- Worked as a Lecturer in the Department of Chemistry, SGTB Khalsa College, University of Delhi, from 22nd October, 1980 to 31st December, 1985.
- Worked as a Senior Lecturer in the Department of Chemistry, SGTB Khalsa College, University of Delhi since 1st January, 1986 to 22nd October, 1993.
- Worked as a Lecturer in the Department of Chemistry, Egerton University, P.O. Box 536, NJORO, Kenya, from 1st August, 1989 to 11th July, 1991. (was Awarded the certificate of Merit for teaching)
- Working as a Reader in the Department of Chemistry, SGTB Khalsa College (University of Delhi), since 22nd October, 1993, till To-date.

Foreign Visits:

- Visited the Research Group of Professor W. Plieth of Physical Chemistry & Electrochemistry Division, Dresden University, Germany from 31st March 2005 to 30th April, 2005.
- Visited Korea from 15th September, 2006 to 28th September, 2006.
- Visited Taiwan from 28th September, 2006 to 2nd October, 2006, and interacted with *Staff of Yuan Ze University*.
- Visited Kyungpook National University, Daegu, South Korea on their International teaching programme in Chemistry Department from 20th June 2008 to 18th July 2008.

- Visited Lunghwa University of Science & Technology, Taoyuon, Taiwan from August 1st 2011 to January 31st,2012.

Some important Publications:

- Effect of some organic heterocycles on the electrochemical dissolution of pure iron. Trans. Of the SAEST, Vol. 19, No.2, 105 (1984).
- Effect of some organic heterocycles on the anodic dissolution of Ultrapure Iron. Bulletin of Elctrochem, 5(6), pp. 405, June 1989.
- Corrosion inhibition of pure zinc in KOH solutions by Benzotriazole and Benzimidazole. Bulletin of Elctrochem, (in Press), presented at KNAP Conference (Kenya National Association of Physicists) held at University of Nairobi from September 22-24, 1990.
- Corrosion inhibition of Nickel by Guanylurea in neutral medium. Trans. SAEST,25, No. 1-2, pp.43 (1990).
- Corrosion inhibition of Nickel by dicyandiamide in neutral medium. J. Eoetrochem Soc. India, Vol.39, No.2, pp. 67 (1990).
- Corrosion inhibition of characteristics of Biguanide for Nickel in neutral medium. Bull. Electrochem. 6 (9), PP. 754, Sept.1990.