**Dr. ADVAIT**

**Email:** [**advait.388241@2freemail.com**](mailto:advait.388241@2freemail.com)

A seasoned and dedicated professional with more than THREE decades of diverse expertise in imparting education/ conducting research and process engineering with in-depth exposure to the entire spectrum of Chemistry. An effective communicator at all levels within an organization**.**

**CAREER SUMMARY**

* Highly motivated, over 34 years experience as an **Dean, Students Affairs and** **Professor in Chemistry & Head of Department of Engineering Chemistry**.
* Presently associated with **D.Y. Patil College of Engineering and Technology, which is an Engineering College located in Kolhapur, Maharashtra, Since 1986 to till date**.
* I am expertise in teaching Chemistry to students of different levels specially Graduate & Post graduate students.
* My special interest in teaching **Industrial Inorganic Chemistry, Atomic Structure, Chemical Bonding of Coordination compounds (VB theory, VSEPR theory, Crystal Field theory & Ligand field theory, M.O. Theory, Group Theory) Bioinorganic Chemistry, Boron and Cluster compounds and Solid State Chemistry** etc.
* Sound knowledge and understanding of instruction theory and practical’s
* Thorough knowledge of maintaining high academic standards
* Excellent motivational and instructional skills
* Outstanding ability to work collaboratively with administration and colleagues
* Excellent oral & written communications with leadership qualities
* Strong interpersonal and organizational skills
* Performed other duties and responsibilities as assigned by the management
* Developed and maintained student’s interest in chemistry by organizing various classroom activities.
* Expertise in Academic administration, Recruitment and development of Faculty, Introduction of Different courses, Global attachment of the institute and Students discipline etc.

**SCHOLASTIC CREDENTIALS**

* **Ph.D.** **in Chemistry** from Shivaji University, Kolhapurin 1992.
* **M.Sc. in Inorganic** Chemistry fromShivaji University, Kolhapur in 1984.
* **B.Sc. in Chemistry** from Swami Vivekanad College, Kolhapur (Shivaji University) in 1982.

**PROFESSIONAL EXPERIENCES**

**D.Y. Patil College of Engineering and Technology, Kolhapur, Maharashtra, India,**

**Since 1986 to till date as an**

**Professor in Chemistry & Head of Department of Engineering Chemistry**

Courses Taught

* Chemical Engineering (Post Graduate and Graduate level)
* Physical Chemistry (Graduate level)
* Inorganic Chemistry (Post Graduate and Graduate level)
* Organic Chemistry (Graduate level)
* Environmental Chemistry ( Graduate level)

***The Highlights:***

* Successfully achieved the accreditation of my Department from National Board of Accreditation
* The results of my department are amongst highest for 32 years.
* Director of Central Assessment Process of Engineering Examination of Shivaji University, Kolhapur from April / May 2002 and November / December 2002
* Chairman of Discipline Committee during Annual Socials on various occasions
* Co-ordinator of Central Assessment Process of Engineering Examination of Shivaji University, Kolhapur on various occasions from April / May 2003 till date
* Appointed as Expert in Chemistry by Vice - Chancellor of Shivaji University, Kolhapur for the Placement of teachers in fifth pay commission
* Appointed as Expert in Chemistry for the interview of candidates in KITs College of Engineering Kolhapur & Bharati Vidyapeeth College of Engineering, Kolhapur
* I am regularly appointed as the paper setter for Engineering Chemistry of F.E. Part - I & II and Chemistry I & II of S.E. Chemical Engineering
* Appointed as Subject Expert by Board of Technical Educations for conducting the interviews of candidates in various polytechnics
* Total experience as Director Central Assessment Process of Engineering Examination of Shivaji University, Kolhapur is more than 16 years

**MEMBERSHIP/ AFFILIATIONS**

* Member of Senate of Shivaji University from 2010 to 2013
* Life Member of Indian Society of Technical Education
* Member of Society of Indian Council of Chemists

**LIST OF SOME RESEARCH PUBLICATIONS**

1) Effect of Gamma Irradiation on Kinetics of Ion Exchange of Co (III) on Dowex 50-W-X8 (NH4) + in Mixed Media

S. V. Kulkarni, S.S.Joshi, R.S.Kamble and A.A. Rathod

Proceedings of Radiochemistry and Radiation Chemistry, Nagpur University

II) Cation Exchange Separation of Thorium and Strontium from Other Elements on Amberlite IR - 120 (NH4) +

S.V. Kulkarni, N. V. Andhare and A.A. Rathod

Proceedings of 77th Indian Science Congress, February 1990, Page 51, Cochin

II) Cation Exchange Separation of Thorium and Cadmium from Other Elements on Amberlite IR 120 (NH4) +

S.V. Kulkarni, N.V. Andhare and A.A. Rathod

Journal of Shivaji University, (Science Section) Volume 24 Page 71, 1991

IV) Anion Exchange Separation of some Metal Ions in Aqueous - Acetone - Propionic Acid Media

S. V. Kulkarni and A. A. Rathod

Journal of Indian Council of Chemists

Volume VIII, No. 2, Page 6, 1992

V) Column Chromatographic Separation of Some Metal Ions in Water - Acetone -n Butyric Acid Media.

S. V. Kulkarni and A. A. Rathod

National Academy of Sciences Letters Page 207, No. 17 Volume 11 & 12, 1994

**PAPERS PRESENTED**

I) Anion Exchange Separation of some Metal Ions in Aqueous Acetone - Propionic Acid Media

S.V. Kulkarni and A. A. Rathod

Tenth Annual Conference, Indian Council of Chemists, Goa, March 1991.

II) Separation of Some Metal Ions in Aqueous - Acetone - Butyric Acid Media

S. V. Kulkarni and A. A. Rathod

National conference on Solvent Extraction, Kolhapur, January 1995

**WORKSHOP/ CONFERENCES ATTENDED**

* Attended three Refresher Courses in Chemistry at Shivaji University, Kolhapur

**EXTRA CURRICULAR ACTIVITIES**

* Worked at Gymkhana (Gymkhana is the hub of the numerous extra-curricular and co-curricular activities) from 1986- 1990, Promoted Gymkhana in Charge, from 1990-1996

**PERSONAL STRENGTHS**

* Conceptual Teaching
* Professional Commitment
* Coordination with fellow Staff Members

**IT SKILLS**

* Operating Systems: MS Windows (XP/Vista).
* Office Packages: MS-Office (Word, Access, Excel & PowerPoint), Photoshop

**PERSONAL DETAILS**

Hobbies : Reading, Cultural activities, Cricket, Music and Travelling

Language Known : English, Marathi, Hindi (Able to fluently Speak, Read & Write)