



**Professor of Physical Chemistry**

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**Dr A Hari Padmasri** is a Professor recruited into the OU service in 2007. She worked at University College for Women till July 2017 and is currently working at Dept. of Chemistry, UCS, OU. She pursued her M.Sc Chemistry with Physical Chemistry as specialization at Osmania University qualifying it in first division with distinction. She then did her doctoral work at CSIR-IICT, Hyderabad and was awarded the degree with Osmania University in 2001 with her thesis entitled “**Hydrodechlorination of  $\text{CCl}_2\text{F}_2$  over calcined Mg-Al hydrotalcite supported Pd based catalysts**”. She pursued her PhD as UGC-JRF and SRF on qualifying GATE. She went on to do her postdoctoral work as a CSIR-RA at IICT from 2001 to 2006 followed by CSIR-SRA (Scientist Pool Scheme) from 2006-2007 at Dept. of Chemistry, OU. Later on with the award of Women Scientist Scheme under DST, New Delhi she pursued it from 2007-2010.

- ★ She has 15 years of teaching experience in UG & PG and taught almost all the fundamental topics of *physical chemistry*. Her research experience is about 22 years in the area of *Catalysis, Nanomaterials and sustainable energy (biomass valorization)*. She is a registered guide of Osmania University and is currently guiding 7 students. Two scholars obtained Ph.D under her supervision and another research scholar submitted her Ph. D thesis under her guidance. She also guided one M.Tech student and 7 M.Sc students for their dissertation work.
- ★ She has published **47 papers** in international peer reviewed journals of repute with an *h-index of 20, i10-index of 32 and citations of 1904*. She filed **3 Indian and 3 US patents**. She authored 3 chapters in two internationally reputed books on catalysis and authored 1 BSc textbook by a National publisher. She received best paper presentation award for her research work at the 14th National symposium on Catalysis held at Anna University, Chennai in December 1998. She is one of the Key authors of the paper presented at 7<sup>th</sup> International Symposium on Feedstock Recycling of Polymeric Materials at New Delhi from 23-26<sup>th</sup> October 2013 which received the **best oral presentation award**. One of her research scholars received best oral presentation award for the paper presented in the International Conference on Advances In Catalysis: Industrial Outlook ACIO2019 1<sup>st</sup> & 2<sup>nd</sup> AUGUST, 2019.
- ★ **She completed two research projects:** “Exploration of the gold nano particles: Synthesis, characterization and their applications in the Selective oxidation of methane to value added

products.” *DST Award No: SR/WOS-A/CS-42/2005* and “Biomass to Syngas: Catalytic Cleanup” Funded by Department of Science & Technology under “India-Ireland Cooperative Science Programme’ – a Joint research project for FY 2011. She recently completed minor projects sponsored under OU-DST-PURSE II Programme & OU-UGC-UPE-FAR programme.

- ★ She is a life member of Catalysis Society of India, Indian Science Congress Association, Indian Association of Chemistry Teachers, Osmania University Chemistry Alumni Association, International Society of Teachers and Researchers in Chemistry (ISRTC) & Journal of Teaching and Research in Chemistry (JTRC), Indian Council of Chemists (ICC) and **Associate Fellow, Telangana Academy of Sciences**
- ★ She reviewed articles for Elsevier Journals like Catalysis Today & Modern Chemistry of Science Publishing Group, USA, Bentham Publishers, International Journal of Photochemistry and Photobiology (IJPP), The Science Publishing Group, USA and Journal of Heterocyclic Chemistry, Wiley Publishers, ACS Sustainable Chemistry & Engineering and RSC Sustainable Energy & Fuels. Also, reviewed MS Dissertation and Ph D Theses from University of Kwazulu Natal of Durban, South Africa and Ph D thesis from Bharatidasan University.
- ★ She presented papers in about 50 national and international seminars and workshops. She organized several national and international seminars, workshops and faculty development programmes in chemistry. She delivered many extension and guest lectures at various colleges to UG, PG students and faculty members of Chemistry.
- ★ She coordinated **Step-Up Mentoring programme sessions in collaboration with the Alumni** of the department for research scholars and students. She coordinated several activities viz., Quiz programmes, Poster presentations, Scientific writing etc., organized by the students of MSc Chemistry, Dept. of Chemistry, OU as Student-Faculty Coordinator. She conducted several Innovative and skill oriented programmes for students and faculty members as coordinator, R & IP cell, at Univ. College for Women, koti, Hyd.
- ★ She was the member, Placement Cell till 2016; Coordinator, R & IP Cell since Dec’15 to July ’17; I/c Controller of Examinations from March-April 2017 and I/c Head, Dept of Chemistry, UCW from June-July 2017. She was a Member, Departmental Committee, Dept. of Chemistry, O.U. since 2015-17 and a Member BOS, Dept. of Chemistry, O.U. College of Engineering & Member BOS till 2017.
- ★ Currently she is a member of BOS, Dept. of Pharmacy, Telangana University, a Member of BOS, Dept. of Chemistry, Palamuru University and Member of BOS, Dept. of H&S, VBIT college of engineering and KG Reddy College of Engineering & Technology & Member, BOS of UG & Departmental Committee, Dept. of Chemistry, Osmania University. Also currently the Placements Incharge and Student Coordinator for the Dept. of Chemistry, UCS, OU, member of Women Cell & Quality Monitoring Cell, of Univ. College of Science & IQAC, OU.