

INTERNATIONAL WORKSHOP ON ADVANCED TOPICS IN CHEMISTRY AND PHYSICS (IWATCP-2012)

— 26-27 NOVEMBER 2012 —

PROCEEDINGS

EDITORS

Prof. Dr. S. Balaji - Prof. Dr. K. Venkatramanan



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Sri Chandrasekharendra Saraswathi Viswa Mahavidyalaya

(Declared as Deemed to be University Under Section 3 of UGC Act 1956)

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PREFACE

Pranams to the Lotus Feet of the Acharyas of Kanchi Kamakoti Peetham.

Ever since the inception of the Department of Science and Humanities (DSH) comprising Mathematics, Physics, Chemistry and English, it was facilitating the core branches of Graduate Engineering programmes. The department started offering research degrees from the year 2002. In 2009, the individual components of the DSH wanted to establish their own fleet and stepped in to offering post-graduate and M.Phil. Programmes. From 2010 the department started organizing National level seminar, workshop etc., annually to promote the research activities among the post-graduate students and younger faculty team.

The Department of Science and Humanities has so far organized three National Level programmes namely National Seminar on "Emerging Research Trends in Basic Sciences", on 19th March 2010, DST Sponsored "National Workshop on Modern Techniques in Analytical Chemistry" (NWMTAC-2011), during 10-11, February 2011 and National Workshop on "Modern Physical and Chemical Instrumentation Techniques" (PCINTECH-2012), during 21-22, March 2012.

Post-graduate students and researchers from various universities and colleges have attended the above programmes and got benefited. Apart from organizing national level events some of our faculty members also served as the resource persons in various programmes of other universities and colleges ; presented papers in international conferences in India and abroad. In total, DSH has published more than 150 research articles in various national and international Journals and with good impact factors (so far has the highest impact factor of 6.2) and presented around 75 research papers in conferences. The department has one major research project (on going) funded by BRNS-DAE and two minor research projects (completed). So far DSH has produced 15 doctorates and around 55 scholars are pursuing their doctorate programme.

To further strengthen the activities of the department and to provide international exposure to the academic and student community it was planned to conduct an "International Workshop on Advanced Topics in Chemistry and Physics". The dream came into reality with the kind help from the internationally reputed
