



Dr. P. Shanmugam, CLRI, Chennai

Title: Unusual [3+2]-spiroannulation and creation of stereogenic quaternary center at C-3 of oxindole via addition of (het)arynes to isomerized Morita-Baylis-Hillman adduct of isatin

Dr. P. Shanmugam obtained B.Sc. in Chemistry (first class) from Govt. Arts College, Dharmapuri, Tamil Nadu, M. Sc. in Organic Chemistry (first class) University of Madras and Ph.D. in Synthetic Organic Chemistry from University of Madras (1996). He pursued his first post-doctoral research on total synthesis of plakortones in association with Prof. Martin F. Semmelhack, Princeton University, USA and a second post-doctoral work on organo aluminum reagents in association with Prof. Maasaki Miyashita, Hokkaido University, Japan. During the last 23 years as a scientist at the CSIR-NIIST, Trivandrum and CSIR-CLRI, Chennai, he has been active researcher in Synthetic Organic Chemistry. By distinction, his work has been recognized both nationally and internationally as evidenced by his publications of more than 65 in high impact journals with more than 950 citations. He received several awards including the prestigious JSPS fellowship awarded by Japan Government and BOYSCAST-fellowship awarded by DST, New Delhi. Dr. Shanmugam has supervised ten Ph. D students and as many fifty M. Phil and M. Sc projects. Currently three students are pursuing research under his guidance. He is an eminent speaker at major national and international conferences.