INDRASHIL UNIVERSITY
A LIFE SCIENCES UNIVERISTY
Sustained Excellence with Relevance

योग: कर्मसु कौशलम्

Dr.J.S.Yadav, FNA, FTWAS
(Former Director and Bhatnagar Fellow, CSIR-IICT)
Vice-Chancellor, Provost and Trustee

Date: 28th Oct, 2021

To
The Office of Sun Pharma Science Foundation,
Sarhaul, Sector-18, Gurgaon-122015, Haryana.

Sub: Nomination for the SUN PHARMA RESEARCH AWARDS-2021

Dear Sir/Madam,

I am very happy to nominate the candidature of Dr B V Subba Reddy, who has impressed me with his excellent contributions from the last 17 years. He has been working with Colgate-Palmolive Company for the last eight years. Initially, he has developed novel fluorescein dyes for liquid aquarium soap formulations. Subsequently, he was involved in the development of novel anti-bacterial agents based on Natural Products such as Honokiol, Magnolol and Hinokitiol, for use in tooth paste, mouth wash, hair care and skin care products. The technologies developed by him have been transferred to industry for commercialization. He has developed an industrially viable synthesis of Poly(allyl)guanidine, which is used for Gum tissue grafting surgery. He is also involved in the development of synthetic route for natural shellac, which is being used for nail polish, wood polish and drug delivery. Recently, he is involved in the process development of Asthma drugs such as Salbutamol, Ciclesonide, Fenoterol, Fluticasone, Vilaneterol and Clobetasol for Vamsi Labs Ltd. He has also developed the process for both (*R*,*S*)- and (*R*,*R*)-cyclopenten-1,3-diols, which are chiral precursors for Prostaglandins such as Prostacyclin, Pentenomycin, PGE2, PGF2α, PGD1, PGE1, Terrein and for drugs like Ticagrelor, Noraristeromycin etc. He has been involved in the development of novel synthetic routes for different drugs such as Solifenacin, Almorexant, Dihydrotetrabenazine, Sitagliptin, Ramatroban, Dapoxetine and Rivastigmine etc. Apart from industrial contributions, he has made a series of outstanding contributions in the area of Prins cyclizations and Asymmetric synthesis. He is the first to develop a bifunctional rosin-derived indane amine thiourea and sugar-cinchona thiourea organocatalysts for enantioselective Michael reactions of β-nitrostyrenes and β,γ-unsaturated α-ketoesters and also quinine-squaramide for the enantioselective addition of diphenylphosphite to isatin imines; and sugar based *bis*-oxazolines for the nitro-Aldol reaction, Friedel-Crafts alkylation of indoles, Mukaiyama-Michael addition of silyl enol ethers. He has also made significant contributions in the area of diazo chemistry to produce a novel class of spirocycles.

He has made outstanding contributions to academic as well as to industry. To his credit, he has published more than 785 papers with an average citations per paper of 25.63 and h-index of 64. Six sets of the nomination form are enclosed herewith.

Thanking You,

Yours Sincerely

(J S YADAV)