

6<sup>th</sup> Edition of International Conference on  
**Pharmacognosy and  
Medicinal Plants****POLYHERBAL FORMULATION OF SELECTED FEW MEDICINAL PLANTS  
HAVING ANTIDIABETIC ACTIVITY****Jhansee Mishra**

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In the present study, the antihyperglycemic, hypolipidemic and antioxidant properties of the specially formulate polyherbal formulation in streptozotocin induced diabetic rats was determined. Diabetes was induced in albino rats by administration of streptozotocin (55mg/kg, I.P). The formulation F1 (N:G:S=2:2:1) 200 mg/kg body weight was administered to diabetes induced rats for a period of 28 days, which possess better effect than formulation F2 (N:G:S=2:1:2) 200 mg/kg and formulation F3 (N:G:S=2:1:1) 200 mg/kg. Additional biochemical parameters such as serum cholesterol, triglycerides, HDL-cholesterol, LDL-cholesterol levels were also measured at the ending of study. After verifying the antidiabetic property, the F1 (N:G:S=2:2:1) 200 mg/kg in blood glucose was observed for the finest one; in order to justify it we have to check its oxidative parameter, i.e. SOD, TBAR, GSH and LPO, which enzyme indicates its oxidative stress. From the above outcome, it was concluded that the formulation F1 (N: G: S =2:2:1) 200 mg/kg on blood glucose possesses significant antidiabetic, hypolipidemic and antioxidant effects in streptozotocin induced diabetic rats.

**Biography**

Jhansee Mishra received her BPharm and MPharm from Indira Gandhi Institute of Pharmaceutical Sciences (IGIPS), Bhubaneswar, Odisha. She was awarded PhD Degree in Pharmaceutical Sciences from Suresh Gyan Vihar University (SGVU), Jaipur, Rajasthan, India. She is working as an Assistant Professor at the Institute of Pharmacy, Veer Bahadur Singh Purvanchal University, India. Her present research projects are focused on "polyherbal formulation and standardization of selected few medicinal plants having antidiabetic activity". She has more than 30 national and international publications and two books to her credit. She has nine years of experience in research and teaching. She is Regional Editor in *International Research Journal of Pharmacy*, Member of the Central Executive Committee Journal of Scientific Letters. She is life member of Indian Community Pharmacy and has organized many national and international conferences and workshops.

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