

3RD WORLD CONGRESS ONMEDICINAL PLANTS AND
NATURAL PRODUCTS RESEARCH

OCTOBER 02-03, 2017 KUALA LUMPUR, MALAYSIA

Evaluation of nephroprotective activity of methanolic extract of *Biophytum sensitivum***Sachin Chandavarkar¹, S N Mamle Desai¹ and Theivendren Panneerselvam²**¹PES's Rajaram and Tarabai Bandekar College of Pharmacy, India²Kalasalingam University, India

In this study, methanolic extract of whole plant of *Biophytum sensitivum* was evaluated for their nephroprotective activity using Wistar albino rats. The methanolic extract was administered orally at a dose of 200 mg/kg and gentamicin was administered at a dose of 40 mg/kg IP to the rats for 7 days. On eighth day, all the animals were sacrificed and blood was collected to evaluate urea and creatinine level in the serum and it was taken as the index of nephrotoxicity. Histopathological examinations of kidneys of all the groups were carried out and the findings revealed that methanol extracts of *Biophytum sensitivum* possesses nephroprotective activity. The elevations of serum urea and creatinine produced by gentamicin were considerably reduced and showed histopathological changes in the kidneys to normal. The study concluded that methanolic extract of *Biophytum sensitivum* possess nephroprotective activity.

Biography

Sachin Chandavarkar is currently working as an Assistant Professor in PES's Rajaram and Tarabai Bandekar College of Pharmacy affiliated to Goa University, India. He has received PhD in Pharmacy from Bhagwant University, Ajmer, India. His research interests are pharmacognosy, biotechnology, pharmacological activities on animal study. His recent research focused on diuretic and nephroprotective activity on medicinal plants. He has 3 research articles published in international journals of repute. He has been actively involved in teaching, research and administration for past 6 years.

chandsachin@gmail.com

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