



Anti-angiogenic activity of *Oroxylum indicum* L. Kurz a medicinal tree

Samatha Talari^{1*}, Shiva Krishna Pabba² and Rama Swamy Nanna¹

¹Department of Botany, Kakatiya University, Warangal-506009 (TS), India.

²Department of Microbiology, Kakatiya University, Warangal-506009 (TS), India.

Abstract : The present investigation has been undertaken to study the angiogenic effect of different parts of medicinally valuable tree *Oroxylum indicum* L. Kurz. The chick embryo chorio allantoic membrane (CAM) assay was employed for the evaluation of anti-angiogenic property of petiole, leaf, seed, fruit wall, stem bark and root extracts of *O. indicum*. A significant inhibition of vascular endothelium growth factor (VEGF), and induced neovascularization was recorded. Results revealed that among the various parts of the plant used in this investigation, except leaf extract all the other extracts of seed, fruit wall, stem bark and petiole showed maximum anti-angiogenic effect. Thus, based on our investigation it can be concluded that various parts of *O. indicum* may be employed in the preparation of pharmaceuticals that are used in the treatment of various diseases related to angiogenesis.

Keywords : *Oroxylum indicum*, Plant extracts, Angiogenesis, CAM assay.

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