

# **A HOST AND A FLOURISHING COMMENSAL SPECIES PAIR WITH LIMITED RESOURCES- GLOBAL STABILITY ANALYSIS**

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## **ABSTRACT**

The paper purports to establish the global stability of commensalism between two – species surviving with limited resources by constructing a suitable Liapunov's function in the case of co-existent equilibrium state.

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**KEYWORDS:** Equilibrium State, Liapunov's Function, Global Stability