IN- VIVO STUDIES (ANIMAL MODELS)

- Acute & Chronic Models,
- Anti cancer activity etc
- Anti-diabetic activity
- Anti-Analgesic activity
- Anti-pyretic activity
- Anti- arthritics activity
- Anti-ulcer activity
- Cardio protective activity
- Wound healing activity
- Anti-Inflammatory activity
- Hepatoprotective activity
- Nephro- protective activity

IN VITRO STUDIES

Antioxidant Activity

- DPPH radical scavenging activity,
- $ABTS^{+}$
- FRAP
- Superoxide radical scavenging activity,
- Nitric oxide radical scavenging activity,
- Lipid peroxidation inhibiting activity
- Reducing power
- Metal chelating activity
- Phospho molybdenum assay

Anti-Microbial Activity

Zone of inhibition.
MIC, MBC

Anti-diabetic Activity

a. Alpha-amylase enzyme inhibition activity
b. Alpha –glycoside enzyme inhibition activity.

Anti-diabetic Activity

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Anti-inflammatory Studies

a. Protein denaturation inhibiting activity
b. Proteinase inhibiting activity
c. HRBC membrane stabilization activity.

Anti Cancer Activity

a. MTT Assay- Cytotoxicity including MCF-7, Hela, Hep-G2, MG-63 etc.,

STATISTICS ANALYSIS

Software : SPSS, Excel, R-Programming.
Tools : ANOVA, Regression, t-test, Chi- square test etc.,