

**Guest Lecture on “Medicinal Plants”
20th February, 2019
Organized by: Department of Botany**



**Guest Lecture on “Medicinal Plants” by Dr. K. Siva Rama Krishna, Senior Scientist,
Laila Pharmaceuticals Industry, Vijayawada on 20th February, 2019**

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Report

Department of Botany conducted, guest lecture on “Role of Medicinal Plants in Pharmacognosy”. The resource person Dr. K. Siva Rama Krishna, Senior Scientist, Laila Pharmaceuticals Industry, Vijayawada explained about the use of medicinal plants in the daily life of man. He explained, about the extraction of drugs from the plants, for example vincristine from *Catharanthus*, Serpentine from *Rauwolfia* that are used for treating hypertension.

He also explained about the extraction of alkaloids, tannins, flavonoids and terpenoids from the root, stem and leaf of plants. He explained how the human body is made of five elements and how all the five elements are linked with plants either directly or indirectly. The students got much information about the process of extraction and uses of plants in our daily life.

Some of the medicinal plants explained by him are:

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| 1. <i>Achyranthes aspera</i> | - | Leaf and root extract |
| 2. <i>Aristolochia india</i> | - | Root extract contraceptive |
| 3. <i>Argemone Mexicana</i> | - | Leaf juice |
| 4. <i>Balanites aegyptica</i> | - | Fruit pulp |
| 5. <i>Barringtonia acutangula</i> | - | Fruit for cough |