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Class : Deg - II (Hons)

Paper : III (Group - 'B')

Topic : Family - Lamiaceae (Continued)

Lecture No. - 30

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Family : Lamiaceae (Continued) :

Economic Importance of the family Lamiaceae :

(i) Medicinal :

Many plants of this family are used in medicine. Ajuga bracteosa, Leucas cephalotes are used in fever.

Mentha piperata and Thymus serpyllum gives Menthol and Thymol respectively, which are extensively used in medicines.

leaves of Ocimum sanctum and other sp. of Ocimum are used in various ailment.

(ii) Perfumes :

Aromatic oil is extracted from Thymus, Lavandula vera (Lavender oil), Rosmarinus (Rosemary oil) etc.

(iii) Dye : Fruits of Lycopus europaeus yield red dye.

Name of five important plants:

- (i) Dcimum sanctum - (H. - Krishna tulsi)
- (ii) Lavendula vera - (H. Lavender plant)
- (iii) Coleus amboinicus (H. - Patharetur)
- (iv) Mentha viridis and M. arvensis (H. - Mint Plant)
- (v) Salvia officinalis (Garden sage)

Affinity of the family Lamiaceae

This family is closely related to family Acanthaceae from which it can be readily distinguished by its verticillaster inflorescence, gynobasic style and characteristic ovary and fruit.

It also resembles family Boraginaceae in having a gynobasic style and Verbenaceae in having zygomorphic flower, bilabiate corolla and epipetalous stamens.