

**GOVERNMENT OF INDIA
SCIENCE AND TECHNOLOGY
LOK SABHA**

UNSTARRED QUESTION NO:4609
ANSWERED ON:23.12.2005
DEVELOPMENT OF CHEAP MEDICINES
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Will the Minister of SCIENCE AND TECHNOLOGY be pleased to state:

- (a) whether the Council of Scientific and Industrial Research has paid attention on the other alternatives and developed the Cheap Medicines for skin diseases, diabetes, Carcinoma, Leishmaniasis and Hepatocurative;
- (b) if so, the details thereof;
- (c) whether any work is going on regarding R&D, technical acceptance and commercialization of Medicines/medicinal systems for the treatment of several disease, including T.B. encephalitic etc.;
- (d) whether the Ayurvedic medicines have been accepted by the Government for the research purposes ; and
- (e) if so, the details thereof ?

Answer

MINISTER OF STATE (INDEPENDENT CHARGE) OF THE MINISTRY OF SCIENCE AND TECHNOLOGY AND MINISTER OF STATE (INDEPENDENT CHARGE) OF THE DEPARTMENT OF OCEAN DEVELOPMENT (KAPIL SIBAL)

(a),(b)&(c) : Yes Sir. Council of Scientific & Industrial Research (CSIR) has developed herbal formulation for skin disease (psoriasis), diabetes and hepatic disorders, which are currently under clinical trials.

Anti-psoriatic formulation : Based on the traditional knowledge, a single plant based oral herbal formulation was developed under New Millennium Innovative Technology Leadership Initiative (NMTLI). An Investigational New Drug (IND) application for a herbal based compound has been filed for the first time in the country . Phase-I clinical trials have been completed .

Anti-diabetic and hepato-protective formulation : Standardized and well- characterized formulations have been developed for both these disease conditions. For the hepato-cellular protection, three herbal formulations have been developed using eleven plants. For diabetes, two formulations have been developed. The efficacy and safety of the formulations have been proved through experimental studies on animals and ambulatory human pharmacology. The selected formulations are in Phase II-B randomized, double blind clinical studies.

A new molecule to treat tuberculosis has been discovered under a project supported under New Millennium Indian Technology Leadership Initiative scheme. In animal studies , the molecule in combination with other anti TB drugs reduced the treatment time from the present six to eight months to two to three months. An Investigational New Drug(IND) application has been cleared by the Drugs Controller General of India. The molecule is under Phase-I clinical trial.

(d)&(e) Yes Sir. The government has initiated a new programme called 'Golden Triangle' wherein modern medicine and modern science inputs are provided to the traditional medicinal formulations for developing standardized and validated formulations. The programme is a collaborative effort among Council of Scientific & Industrial Research (CSIR), Indian Council of Medical Research (ICMR) and Department of Ayurveda, Yoga & Naturopathy, Unani,, Siddha and Homoeopathy (AYUSH).