

# Seminar on DATABASE of medicinal plants of CCRAS

GUIDE

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# Database...?



- Database means – a structured set of data held in computer especially one that is accessible in various ways
- In simplest way database is a collection of information that is organized so that it can be accessed, managed, updated.

# Need for Research database

- To make available the data at a glance to the scientific community/academicians/industries/ policy makers etc.,
- Would help in appraising the research for
  - Further planning
  - To avoid repetition
  - To find out collaboration
  - Exploration

Data base is required for our science on Plant, Metal, Mineral Based and Folklore etc.

# Initiation of Database

Considering the need of the day, the Council intends to generate Research Database on Ayurveda, Siddha and Other Traditional Medicine & Related Sciences through gathering authentic published data by inviting information from individuals, Scientists, Academicians, Industries and Universities and so on who are working in all related fields.

# Who are all contributors to develop the Database??

**Mainly ,**

- **Scientists**
- **Academicians**
- **Industries**
- **Universities**

Wide range contributory disciplines like Ayurveda, Siddha, Botany, Biotechnology, Pure and Applied Chemistry, Biochemistry, Photochemistry, Inorganic Chemistry, Pharmacology, Veterinary sciences, Agriculture, Horticulture, Food Science & Technology, Pharmaceutical Sciences, Systems Biology and all other related disciplines. This Data base is developed from information and research works carried out in various CCRAS noted research centers and from The Scientists, Academics.

# Search Engine For Ayurveda Indian Databases

- <http://indianmedicine.eldoc.ub.rug.nl/>
- [\*\*http://ccras.nic.in/Publications/20081015\\_bibliographyMain.htm\*\*](http://ccras.nic.in/Publications/20081015_bibliographyMain.htm)
- <http://indmed.nic.in/>
- <http://medind.nic.in/>
- <http://www.medknow.com/>
- <http://www.niscair.res.in/>
- <http://www.csir.res.in/>
- [\*\*http://www.icmr.nic.in/\*\*](http://www.icmr.nic.in/)
- <http://www.nml.nic.in/>
- <http://nlam.in/>
- <http://www.tkdl.res.in/tkdl/langdefault/common/home.asp?GL=Eng>
- <http://www.ibin.co.in/>
- <http://www.medicinalplants.in/>
- <http://www.nhicindia.org/>
- <http://nia.nic.in/>
- <http://www.rguhs.ac.in/>

IN THIS SEMINAR ONLY  
CONCENTRATED ON

CCRAS (Central Council for Research  
in Ayurvedic Sciences )

# CCRAS

- ▶ The Central Council for Research in Ayurvedic Sciences (CCRAS), an apex body for the formulation, coordination and development of research in Ayurveda on scientific lines was established in March 1978 after reorganization of Central Council for Research Indian Medicine & Homoeopathy. The Minister of Health & Family Welfare is the President of the Governing Body of the Council, while the Joint Secretary chairs the Standing Finance Committee. The Scientific/Research Programmes are supervised by the Scientific Advisory Board.
- ▶ The Council has been executing its research programmes with a network of 30 peripheral Institutes/centres/units with the headquarters office responsible for control, monitoring and supervision. Research work of the Council is executed by 931 officers and staff, though the sanctioned strength of officers and staff is 1813.



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DATA BASE ON MEDICINAL  
PLANTS USED IN AYURVEDA  
VOL. I



2000

DATABASE ON  
MEDICINAL PLANTS  
USED IN AYURVEDA

495

VOLUME 2



2005

496

DATABASE ON  
MEDICINAL PLANTS  
USED IN AYURVEDA

VOLUME 3



2005

DATABASE ON  
MEDICINAL PLANTS  
USED IN AYURVEDA

497

Volume 4



2002

DATABASE ON MEDICINAL  
PLANTS USED IN  
AYURVEDA & SIDDHA

498

VOLUME 5



2008

2008

DATABASE ON MEDICINAL  
PLANTS USED IN AYURVEDA

499

Volume 6



2004

500

DATABASE ON MEDICINAL  
PLANTS USED IN AYURVEDA

VOLUME 7



2005

501

DATABASE ON MEDICINAL  
PLANTS USED IN  
AYURVEDA & SIDDHA

VOLUME 8



2007

*DATABASE ON*

# **MEDICINAL PLANTS**

USED IN AYURVEDA & SIDDHA

VOLUME 8

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सचिव

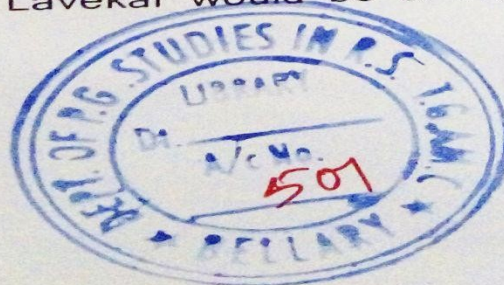
भारत सरकार

स्वास्थ्य एवं परिवार कल्याण मंत्रालय  
आयुर्वेद, योग व प्राकृतिक चिकित्सा,  
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## FORWARD

Indian Systems of Medicine are known for their diversity, flexibility, accessibility, affordability and a broad acceptance among public at large. Ayurveda is the oldest surviving medical system in the World in which plants form a dominant part. India being a mega bio-diversity country has about 15,000 species of medicinal plants and of which 1700 medicinal plants have been documented in Traditional Medicines so far. Our knowledge about these plants and their efficacy against various diseases is constantly being upgraded. The Central Council for Research in Ayurveda & Siddha (CCRAS) has already brought out seven volumes covering 230 medicinal plants. I am pleased to note that the Eighth Volume of this series is being published encompassing 30 important medicinal plants. I am confident that the work done by Dr. K. Chandra, Assistant Director-in-charge of Regional Research Institute, Pune for this volume under the guidance of Dr. G.S. Lavekar would be of immense use for students and other stakeholders.

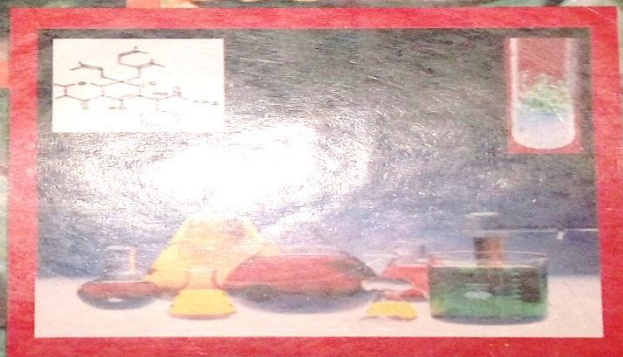


*Anita Das*  
(Anita Das)

# **DATABASE ON MEDICINAL PLANTS USED IN AYURVEDA**

**494**

**VOLUME I**



**Central Council for Research in Ayurveda and Siddha**  
Department of ISM&H, Ministry of Health & Family Welfare  
(Govt. of India)

VOL 1

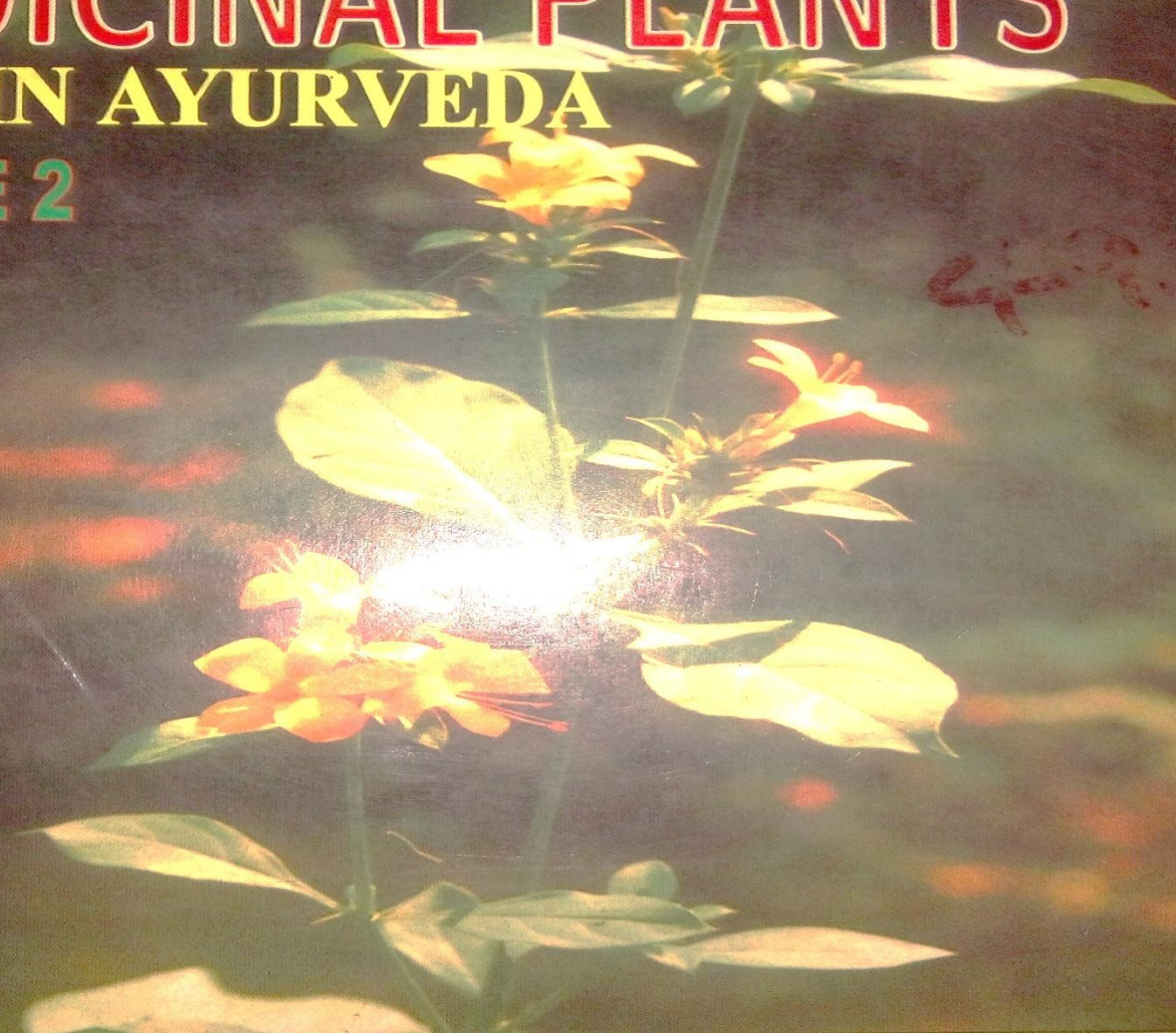
starts with Alarka

ends with vasa

Total drugs explained- 40

495

**DATABASE ON**  
**MEDICINAL PLANTS**  
**USED IN AYURVEDA**  
**VOLUME 2**



**Central Council for Research in Ayurveda and Siddha**  
Department of ISM&H, Ministry of Health & Family Welfare  
Government of India

## VOL 2

starts with Agnimantha

ends with vrikshamla

Total drugs explained- 40

**DATABASE ON**  
**MEDICINAL PLANTS**  
**USED IN AYURVEDA**  
**VOLUME 3**

998



**CENTRAL COUNCIL FOR RESEARCH IN AYURVEDA AND SIDDHA**  
Deptt. of ISM & H, Ministry of Health and Family Welfare  
Govt. of India

## VOL 3

starts with Agastya

ends with yastimadhu

Total drugs explained- 30

# **DATABASED ON MEDICINAL PLANTS USED IN AYURVEDA**

497

**Volume 4**

497



**Central Council for Research in Ayurveda & Siddha**  
Department of ISM&H, Ministry of Health & Family Welfare,  
New Delhi, (Government of India)

VOL 4

starts with Akshota

ends with tvak

Total drugs explained- 30

498

DATABASE ON

# MEDICINAL PLANTS

USED IN AYURVEDA & SIDDHA

Volume 5



Central Council for Research in Ayurveda & Siddha  
Department of AYUSH  
Ministry of Health & Family Welfare  
Government of INDIA  
[www.ccras.nic.in](http://www.ccras.nic.in)

2008

2008

VOL 5

starts with Ajagandha

ends with yava

Total drugs explained- 30

499

**DATABASE ON  
MEDICINAL PLANTS  
USED IN AYURVEDA  
VOLUME 6**



**CENTRAL COUNCIL FOR RESEARCH IN AYURVEDA AND SIDDHA**  
Deptt. of AYUSH, Ministry of Health and Family Welfare  
Govt. of India, New Delhi

VOL 6

starts with Ambastaki

ends with vidari

Total drugs explained- 30

# **DATABASE ON MEDICINAL PLANTS USED IN AYURVEDA**

**VOLUME 7**

**500**



**CENTRAL COUNCIL FOR RESEARCH IN AYURVEDA AND SIDDHA**  
Deptt. of AYUSH, Min. of Health and Family Welfare  
Govt. of India, New Delhi

VOL 7

starts with Ankola

ends with yavani

Total drugs explained- 30

DATABASE ON

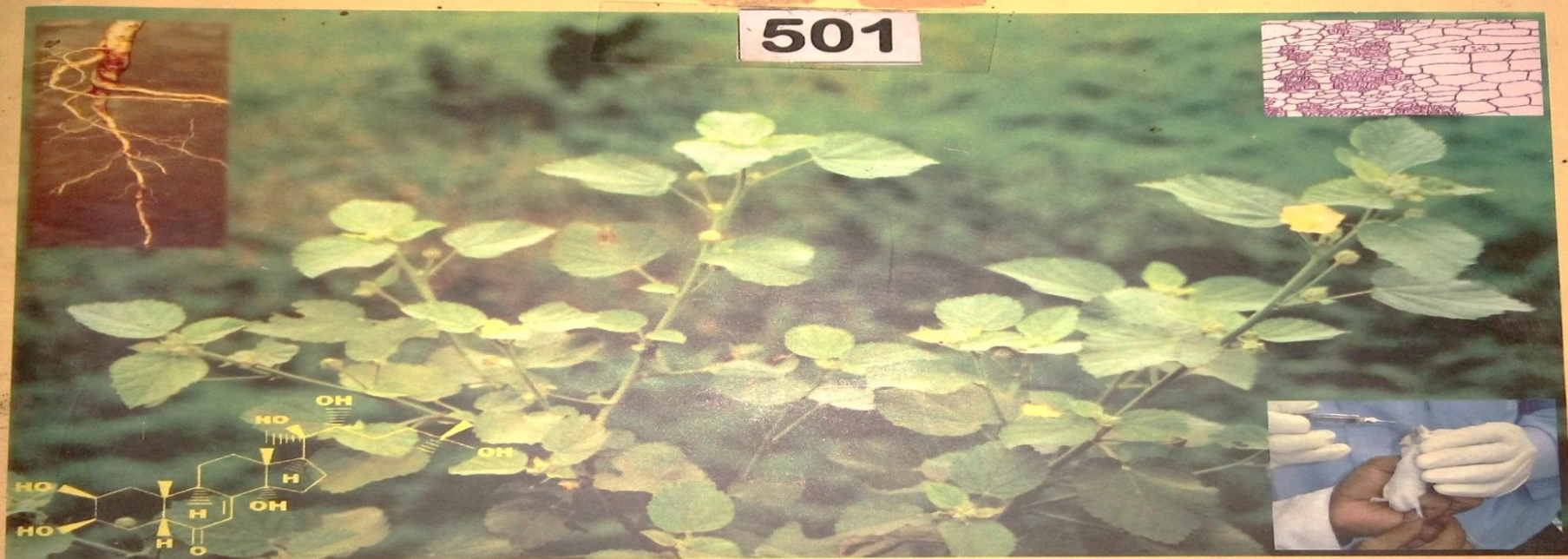
# MEDICINAL PLANTS

USED IN AYURVEDA & SIDDHA

Volume 8

501

501



Central Council for Research in Ayurveda & Siddha  
(Dept. of AYUSH, Min. of Health & F.W., Govt. of INDIA)

VOL 8

starts with Ahiphena

ends with vatsanabha

Total drugs explained- 30

# DRUG DETAILS

Bot name

Family

Synonyms

Vernacular name

Botanical description

Distribution

Parts used

Action and uses

Ayurvedic properties- Rasa Siddha properties- name

Guna      suvai

Veerya      veeryam

Vipaka      vibakam

Prabhava      gunam

Doshagnata      uses

Karma

Rogagnata

Dose

-powder microscopy

# Chemical constituents

# Pharmacological activities

# Toxicology

# Therapeutic evaluation

# Trade and commerce

# Formulation and preparation

# Substituents and adulterants

# Propagation and cultivation

# References

Vol1 – 40 drugs

Vol 2- 40 drugs

Vol 3- 30 drugs

Vol 4- 30 drugs

Vol 5- 30 drugs

Vol 6- 30 drugs

Vol 7- 30 drugs

Vol 8- 30 drugs

Total- 260 drugs

# MERITS OF THE DATA BASE

- Indexing
- Helps in easy identification of plants.
- Reduces confusion.
- It gives clear knowledge about various parameters of a plant which are not mentioned in our classics for ex- macroscopic, microscopic, analytical parameters.
- TLC is nowhere mentioned but this book works on it.
- It helps us to prove that the drug what we have taken is authenticated.

# CONCLUSION

- ❖ Data bases are created to develop the standard protocol for the drug manufacturing and to convince the myths in the people about plants and its properties.
- ❖ Creating the Data base help to researchers and clinicians to use plants with no hesitation.
- ❖ Now a days burning issue is the taking of patency on Indian medicine system and drugs. Data base will help to clime that these drugs are of Indian System of medicine and it also help to check the Patency act.
- ❖ Data bases are helpful to research students and Academics to undertake the further research activities and it gives strong support for the research review.



THANK YOU

Dr. RANJITH.B.M.

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