

BIO-DATA

- 1. Name in Block Letters** : **M.A. LAKSHMITHATHACHAR**
- 2. Permanent Address** : No.1448/1, 5th cross,
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malakshmithathachar@gmail.com
- 3. Age and Date of Birth** : Age: 73; Date of Birth: 22.8.1936
- 4. Qualifications**
- a) **Subjects Specialized in** :
- i. **Indian Manuscriptology and its various dimensions**
 - ii. Navya Nyaya system of Philosophy
 - iii. All systems of Vedantha with special reference to Visistadwaita Vedanta
 - iv. Sanskrit Literature and Indian Philosophical Systems
 - v. Comparative Studies of Sanskrit with Modern schools of thought
 - vi. Sanskrit and Computers
 - vii. Study of Scientific Subjects in Sanskrit like Phonetics, Aeronautics, Encryption and so on.
- 5. Posts Held previously:**
1. **Lecturer in Sanskrit**, Government College, Chitradurga, - 4 years
 2. **Lecturer in Sanskrit**, Government Arts & Science College, Bangalore, - 4 years
 3. **Assistant Professor of Sanskrit**, Post-Graduate Department of Sanskrit, **Bangalore University**, Bangalore, -- 10 years
 4. **Founder Joint Secretary**, Academy of Sanskrit Research, Melkote, Mandya Distirct, Karnataka.
 5. **Registrar**, Academy of Sanskrit Research – 8 years
 6. **Director, Academy of Sanskrit Research, Melkote -- 18 years**
- 6. At Present:**
1. **Chairman, Centre for literary Research, Indian Institute iof Ayurveda and Integrative Medicine (IIAIM), Foundation for Revitalization of Local Health Traditions (FRLHT), Bangalore, heading the Medical Manuscripts Programme at IIAIM, FRLHT.**
 2. **President, Samskruti Foundation, Mysore (www.samskruti.org)**
 3. **Member, Academic Council, & Visiting Professor, VYASA University, Bangalore (www.vyasa.org)**
 4. **Senior Honorary Advisor, FRLHT, A centre of excellence under the Ministry of Environment and Forests, Bangalore (www.frlht.org)**

5. **Member, Governing Council and Chief Advisor, TVS Chef Training Institute, Tumkur**
6. **Member, Academic Council, & Visiting Professor, Jawaharlal Nehru Institute of Advanced Studies, Hyderabad**

Expert Manuscriptologist with the following pioneering contributions to the field:

Sl. No	Description of Activity	Organization where the activity was carried out
1.	Collection and collation of information of more than 5000 manuscripts on Medicine	FRLHT, Bangalore
2.	Preparation of Thematic Descriptive catalogues and Bibliographies on Palm leaf manuscripts – In 5 Volumes	Academy of Sanskrit Research, Melkote, Karnataka
3.	Preparation of Self Teaching Multimedia Packages for Grantha and Sharada scripts to spread the knowledge of these scripts	Sanskriti Foundation, Mysore
4.	Proposals for Development of software for the <ol style="list-style-type: none"> i. Repair of Virtual Manuscript ii. Preparation of critical editions of unpublished manuscripts (with special reference to medical manuscripts) iii. Optical Character Recognition for different ancient scripts like Grantha etc. iv. Other necessary software tools for deciphering the information contained in the Manuscripts 	
5.	Delivered lectures on Unearthing, collection, collation, digitization and deciphering etc (all aspects of manuscriptology) all over India in various institutions	
6.	Consultant to many Institution and Manuscript Repositories regarding the physical preservation, digitization and other aspects of manuscripts	

7. Publications :

Chief Editor of the following scholarly publications in Sanskrit, Kannada & English:

1. Isavasyopanishad (Critical Edition in Sanskrit with 6 commentaries)
 2. Kenopanishad (Critical Edition in Sanskrit with 4 commentaries)
 3. Kathopanishad (Critical Edition in Sanskrit with 4 commentaries)
 4. Prasnopanishad (Critical Edition in Sanskrit with 4 commentaries)
 5. Mundakopanishad (Critical Edition in Sanskrit with 4 commentaries)
- Bhagavadvisayam (Critical Translation of the Tiruvaymloli into Kannada)

6. Visistadvaita Kosa (Encyclopeadia of works on Visistadvaita in 12 Volumes)
7. Sribhashya (Critical Edition in Sanskrit in 4 Volumes)
8. Vedartha Sangraha (Critical Translation of the Tiruvaymloli into Kannada)
9. Vedantasara (Critical Edition)
10. Aitreyopanisad (Critical Translation of the Tiruvaymloli into Kannada)
11. Srignaratnakosa (Critical Edition)
12. Padashakti (Proceedings of Workshop / Seminar)
13. Brahmasutrani
14. Brihadaranyakopanisad (Critical Edition in Sanskrit with English Translation)
15. Bibliography of Visistadvaita
- 16. Consciousness (Proceedings of Workshop / Seminar)**
17. Melkote through the Ages (Proceedings of Workshop / Seminar)
- 18. Science & Technology in India Through the Ages**
- 19. Many other works**

8. Number of students who received guidance in research :

More than 50 students who have studied Sanskrit and Sastras at M.A., M.Phil., and Doctorate levels.

More than 10 students have received research guidance under him in M.Phil / Ph.D

9. Recognition and honours received :

- 2) **Award of President of India for outstanding scholarship in Sanskrit and contribution to build a bridge between the Ancient Knowledge Systems and Modern Science**
- 3) **Citizen of the Age of Enlightenment** by Maharshi Mahesh Yogi International Academy of Science
- 4) **Ramanuja Paduka Sevaka** by Sri Kumara Venkatachariar Sadhabhisekha Mahotsavam 2001, Sri Mudali Andavan Swami Thirumaligai, Singaperumal Koil, Chennai.
- 5) Many other titles and certificates of honor conferred by various other Institutions.

10. Degrees:

1. **B.A.** (Sanskrit & Philosophy as majors) with **8th rank**, Mysore University
2. **M.A.** (Sanskrit) (passed out **first in first Rank with two gold medals**)
Madras University
3. **Navya Nyaya Vidvan** first in first getting **Gold Medal of the President of India** from **Govt. of Karnataka**

11. Special contributions :

The following software are developed under his Guidance:

1. Semusi (Sanskrit noun generation and analysis)

- * Subanta module generation
- * Lexicon consisting of words in Amarakosa (9000 Subanta base) which can generate more than 2,16,000 case inflected forms
- * Generates all the forms in 7+1 vibhakti (cases) and 3 vachana (Numbers) (24 forms) or any opted form of any chosen Subanta base available in the database
- * Generates multiple forms also, if any

- * Analyses the forms of any given case inflected form of the Subanta base available in database
- * Identifies the Anta (Ending), Linga (Gender) and Pratipadika (Base)
- * Displays the multiple identifications

2. **Prajna (Sanskrit verb generation and analysis)**

- * Tiganta module generation
- * Database consisting of 400 important roots carefully selected and collected from various Dhatukosas
- * Handles Kevalatinanta (ordinary verbal form), Nijanta (Causative) and Sannanta (Desiderative) forms
- * Kartari (Active), Karmani (Passive) and Bhava (Impersonal) are the voices handled.
- * Handles 10 Lakaras – 6 tenses and 4 moods
- * Generates all forms (usually 9 forms), 3 Purusa (person) and three vachana (number) or any one of the opted form
- * Analyses the forms of any given root from the lexicon
- * Identifies the Gana, Padi, Karma, It, Mode, Voice. Lakara, Purusa and, Vachana
- * Displays the multiple identifications

3. **Cetana (Krdanta module generation and Analysis)**

- * Generates 11 types of Krdanta forms and generates them in 7+1 cases and 3 numbers or in any selected case and number (with case inflected forms – capable of generating more than 3,00,000 forms)
- * Krdanta handled are Tavya, Aniyar and Ya in Vidhyartha, Kta and in Bhavishyat and Tumun and Ktva in Krdavyaya
- * Analyzes the forms of any given Krdanta form based on the selected roots
- * Gives details of the Root, Anta (Ending), Linga (Gender), Pratipadika (Base) and type of Krdanta.
- * Gives details of the multiple forms

4. **Panini (Sanskrit Sandhi module)**

- * Handles all Sandhis and gives Sandhi's name and corresponding sutras

5. **Bodha (Sanskrit Sentence Analyzer)**

- * Sentence analysis using Shabdabodha
- * Analyses each word in a sentence in all its forms
- * Checks whether the sentence is grammatically correct or not
- * Checks the semantic compatibility
- * Shabdabodha is given according to Navya-Nyaya system

6. **Sentence Generation**

- * This program generates valid Sanskrit and Kannada sentences, if the verbal form of a root is specified
- * If we have a specific verbal form, it uses nouns available in the databases and creates numerous valid sentences

7. **Sribhashya**

- * Computational rendering of Sribhashya
- * Simplification of the original text
- * Gives translation in five Indian languages

8. Ekadanta Vidya (Sanskrit Speech Synthesis)

- * Exclusive program for Sanskrit speech synthesis: The wealth of information with regard to phonetics available in sastras is made use of to analyze speech sounds.
- * The technology developed using this information would be most useful for the development of technology in other Indian languages for speech synthesis, speech recognition etc.
- * A sample module has been developed for 'Text-to-Speech' under this project.
- * Chart is provided for retrieving the sound, 'sthana' and 'prayatna'.
- * Waves of the picture can be seen and can be compared with the waves of two letters at a time.

9. Samjna (Language encoding technique)

- * This is a new encoding system developed using insights available from the Sastras; It is different from the existing encoding systems. The information available in the Sastras with regard to Cryptography and Encoding system is made use of.
- * Coding and encoding according to Paninian sutras

10. Pratibha (Machine translation from language to language)

- * Machine translation from Sanskrit to Kannada
- * Uses one-to-one formula
- * Intelligently deals with the genders while translating

11. Amarakosa (Sanskrit Lexicon)

- * A well known Sanskrit lexicon
- * Synonym Retriever
- * Gives Etymology, Grammatical derivation & usage
- * Gives synonyms based on the required number of syllables
- * Gives Subanta generation for selected words
- * Gives one word translation in Kannada, Hindi & English

12. Pulavar (Tamil Dictionary)

- * Gives synonyms for Tamil words
- * Based on Namadipanighantu

13. Sasanam (Law Dictionary)

- * Electronic law dictionary
- * Handles three languages – Hindi, Kannada & English
- * Anyone of these three can become the source language

14. Vyavaharakosa (Domain based 16-language dictionary)

- * Multilingual electronic dictionary
- * Handles six Indian Languages and English
- * Any language can be used as the source language
- * Meaning is displayed in other six languages
- * It gives translation for words and also sentences

- * Often used sentences in a limited domain in 16 languages is given in different domains.
- * Any foreigner or Indian can converse through his mother-tongue and convey the information through the mother-tongue to the person whom he meets and transacts business
- * Lexicon in sixteen Indian languages
- * Transliteration of the equivalents in the selected source language

15. Bharati (Metrical Analysis)

- * Gives number of gurus (long vowels) and laghus (short vowels) in the verse
- * Forms triplets (ganas)
- * Gives Chandas, Vrta and its definition

16. Nrpatunga (Kannada Verb Generation)

- * Generates verbal forms in Kannada
- * Generates specific set of verbal forms out of 14,400 forms of a selected root
- * Handles two modes – Samanyakriyapada & Preranartha (Causative)
- * Handles two voices i.e. active and passive, direct & indirect, assertive, interrogative, affirmative, negative, simple continuous, perfect, perfect continuous, present, past, future, imperative (vidhi) probable (sambhavana) vidhirupanisedha & sambhavana-purvakanisedha

17. Vidyaranya (Kannada Generation Analysis)

- * Generation & Analysis of Kannada noun forms
- * Gives Anta, Linga and Vibhakti

18. Parser for Sanskrit

- * With the help of Department of Electronics, Government of India, a Sanskrit Parser has been developed. This parser is most useful for morphological analysis, syntactic analysis, syntactic compatibility check, semantic analysis, semantic compatibility check and so on. The technology is useful for developing parsers in other Indian languages.
- * This program is integrated with the Amarakosa program which gives lexical analysis of the words available in Amarakosa, a Sanskrit Thesaurus.

19. Tarka Manjusha

- * Tree structure showing different constituents of the Universe
- * Gives Definition (lakshana) of all the categories and sub-categories
- * This contains nine commentaries of Tarkasangraha
- * Helpful to scholars & students

20. Samskrita Vinoda (Sanskrit Learning Package)

- * Multimedia Learning package through pictures and corresponding sounds
- * Useful for beginners and enthusiasts.
- * Contains 10 lessons and corresponding games
- * Domain based

He was the Chief Investigator of the following Sanskrit based Scientific projects:

- Ø Indian concept of Cosmology

- Ø Ekadantavidya or Artificial Speech Synthesis and Speech Recognition
- Ø Iron & Steel in Ancient India – A Historical perspective

Projects on the anvil under his guidance

- Copper in ancient India
- A critical study of Pancharatra Agama
- Veterinary Science in Ancient India
- The concept of Cottage Industry in ancient India
- The concept of Sudarshana
- Ancient Bio-Farming Systems
- Tools & Technology of Ancient India
- Bodhayana (Project on conservation & Digitization of Manuscripts)
- Computational rendering of Amarakosa
- Food Preservation in ancient India
- Indian Cryptographic System
- Kannada Shabda Vishleshaka
- Meteorology in ancient India
- A Dictionary of Indian Culture (Chief Editorship)

I) Conference / and Seminars: :

He has conducted the following Seminars and Workshops at the National and International levels:

Seminars:

- | | |
|---|---|
| <input type="checkbox"/> Isavasyopanisad | <input type="checkbox"/> Kenopanisad |
| <input type="checkbox"/> Kathopanisad | <input type="checkbox"/> Prasnopanisad |
| <input type="checkbox"/> Mundakopanisad | <input type="checkbox"/> Khyativada |
| <input type="checkbox"/> Indian Semantics | <input type="checkbox"/> Melkote through the Ages |
| <input type="checkbox"/> Knowledge representation in Sanskrit | <input type="checkbox"/> Mandukyopanisad |
| <input type="checkbox"/> Inference Mechanisms in Sastras & Computer Sciences, | |
| <input type="checkbox"/> Taittiriopanisad | |
| <input type="checkbox"/> Siksa sastra and Experimental Phonetics | |
| <input type="checkbox"/> Srivaishnava Commentary Tradition | |

Workshops :

- | | |
|--|--|
| <input type="checkbox"/> Consciousness | <input type="checkbox"/> Concept of Time |
| <input type="checkbox"/> Melkote through the Ages | <input type="checkbox"/> Sanskrit & Science |
| <input type="checkbox"/> Sanskrit & Computers | <input type="checkbox"/> Iron & Steel in Ancient India |
| <input type="checkbox"/> Sanskrit Speech Recognition | |

Vidvad Ghostis

- | | |
|--|--|
| <input type="checkbox"/> Visistadvaita | <input type="checkbox"/> Jagatsristivichara |
| <input type="checkbox"/> Apohavada | <input type="checkbox"/> Abhavapadartha Parisilina |
| <input type="checkbox"/> Padasakti | <input type="checkbox"/> Dhatvartha |
| <input type="checkbox"/> Vibhaktyartha | |

- Besides, he has also participated in several Vidvad Ghostis conducted at the State and National Levels, and in the National as well as International seminars related to Philosophy, Science & Technology, Sanskrit & Science, Sanskrit & Computers etc.
- He has also authored more than 50 research papers that have been published in various reputed journals and monographs.
- Acted in the lead role of “Acharya Ramanuja” in the film titled “Ramanujacharya” produced and directed by the famous award winning Director Sri G.V.Iyer.
- Reared a traditional aromatic garden having more than 200 different spiritually significant flowers and plants having medicinal qualities based on principles of Aroma Therapy
- Engaged in preservation and conservation of traditional Indian breeds of Cows for last 40 years. Presently working on a private research project for utilizing Cow-Urine for medicinal purposes
- Expert in Carnatic Music (Vocal and Flute) & Research Methodology in Carnatic Music
- Jointly Authored a book ‘Sri Ramanuja – Life & Philosophy’

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