EVOLUTION OF SVARA IN INDIAN CLASSICAL MUSIC

By

Rudriguge Harshani Dilrukshi

Ph.D 2018

EVOLUTION OF SVARA IN INDIAN CLASSICAL MUSIC

By

Rudriguge Harshani Dilrukshi

Thesis submitted to the Faculty of Graduate Studies, University of Sri Jayawardenepura for the Award of the Degree of Doctor of Philosophy in Music.

DECLARATION

The work described in this thesis was carried out by me under the supervision of Prof. Pradeep Ratnayake, University of Sri Jayawardenepura and Dr. T. P. B. Rathnayake Madawala, University of the Visual and Performing Arts and a report on this has not been submitted in whole or in part to any university or any other institution for another Degree/Diploma.

Signature:	Date:
Rodriguge Harshani Dilrukshi	
Department of Languages Cultural Studies and Performing	Arts
Faculty of Humanities and Social Sciences	
University of Sri Jayawardenepura	
Gangodawila	
Nugegoda	
Sri Lanka	

Certification of the Supervisor

I certify that the above statement made by the candidate is true and that thesis is suitable for submission to the university for the purpose of evaluation.

Signature:	Signature:
Date:	Date:
Prof. Pradeep Ratnayake	Dr. Thushara Rathnayake
Head	Senior Lecturer Grade I
Department of Music & Creative Technology	Faculty of Music
Faculty of Humanities and Social Sciences	University of the Visual & Performing
University of Sri Jayawardenepura	Arts
Gangodawila	Albert Crescent
Nugegoda	Colombo 07
	Sri Lanka

Sri Lanka

TABLE OF CONTENTS

LIST OF TAE	BLES	V
LIST OF FIG	URES	vi
ACKNOWLE	EDGEMENT	vii
ABSTRACT		viii
Chapter 1: IN	TRODUCTION	01
	1.1 Background	01
	1.2 Research problems	05
	1.3 Objectives of the research	06
	1.4 Outline of Thesis	06
Chapter 2: LI	TERATURE REVIEW	09
Chapter 3: MI	ETHODOLOGY	18
	3.1 Research questions and analysis overview	18
	3.2 Research design	20
	3.3 Methods of data collections	21
	3.4 Data analysis	25
	3.5 Research limitations	25

Chapter 4: RESULTS AND DISCUSSION	26
4.1 SVARA AND ITS ORIGIN	26
4.1.1 What is Svara?	26
4.1.1.1 Definitions of Svara	29
4.1.1.2 Qualities of Svara	31
4.1.2 Descriptions on Seven Svaras	35
4.1.3Origin of <i>Svara</i>	39
4.1.3.1 Svaras in Indus Valley civilization	39
4.1.3.2 Did the Aryan's music invade the Svaras	43
of Indus Valley?	
4.1.4 Origin of <i>Svara</i> names	45
4.2 EVOLUTION OF SVARA FROM ONE TO SEVEN NOTES	51
4.2.1Veda and its scale	51
4.2.1.1 Ādi Svaras	55
4.2.1.2 Evolution of seven <i>Svaras</i> in Vedic music	57
4.2.1.3 <i>Yama</i>	64
4.2.2 Evolution of Ṣadjādi seven Svaras	67
4.2.2.1 Svaras in Rāmāyana	68
4.2.2.2 Svaras in Mahābhārata	70
4.2.2.3 <i>Svaras</i> in Pāninīya Śikṣā	70

	4.2.3 Comparison of Vedic and Laukika <i>Svaras</i>	74
4.3	EVOLUTION OF ŚRUTI SVARA RELATIONSHIP	81
	4.3.1 What is <i>Śruti</i>	81
	4.3.1.1 Definitions of <i>Śruti</i>	83
	4.3.1.2 Why twenty two <i>Śrutis</i> in a scale?	87
	4.3.2 Relationship of <i>Śruti</i> with Vedic musical notes	90
	4.3.3 Śrutis and Ṣadjādī seven Svaras	93
	4.3.4 The specialty of <i>Śruti</i> concept explained by	96
	Bharata Muni	
	4.3.5 Evolution of placement of Śuddha Svaras on	104
	twenty two Śrutis	
	4.3.5.1 The importance of Pt.Bhātkhande's concept	105
	on placing the seven Śuddha Svaras on their	
	first <i>Śruti</i>	
4.4	EVOLUTION OF VIKURTI SVARAS	108
	4.4.1 Vikurti Svaras explained by Bharata Muni	108
	4.4.2 Vikurti Svaras explained by Śāṛṅgadeva	111

4.4.3 Vikurti Svaras explained by musicologists from	114
Śāṛṅgadeva to Pt.Bhātkhande	
4.4.4 Vikurti Svaras explained by Pt.Bhātkhande	121
Chapter 5: CONCLUSIONS	125
5.1 Main findings of the research	125
5.2 Recommendation	134
REFERENCES	

LIST OF TABLES

Table 01: Twelve <i>Svaras</i> and their symbols	28
Table 02: Svara and Sentiments	34
Table 03: Concept/Concepts on the Origin of Svara	45
Table 04: New Concept of the Origin of the Svara Names	46
Table 05: The number of musical notes in each evolutionary stage of Vedic music	58
Table 06: Nāradas of different periods	76
Table 07: comparison of musical notes of Vedic scale and Laukika scale	77
Table 08: Division of twenty two Śrutis on seven Svaras	82
Table 09: Vedic Svaras and their respective Śruti jāthis	91
Table 10: Laukika Svaras and their respective Śruti jāthis	94
Table 11: Śrutis of seven Svaras and their relevant Śruti jātis	96
Table 12: Catuḥ Sāranā explained by Bharata Muni	100
Table 13: The division of Śrutis on seven Svaras	102
Table 14: Placement of Śuddha Svaras on twenty two Śrutis	107
explained by Pt. Bhātkhande	
Table 15: Vikurti Svaras of Bharata Muni	109
Table 16: Vikurti Svaras explained by musicologists from	115
Pt. Śāṛṅgadeva to Pt.Bhātkhande	
Table 17: Placements of Vikurthi Swaras of Pt Sīrinivāsa and Pt Rhāthkhande	122

LIST OF FIGURES

Fig 01: Stamped clay plaque of a Sumer harpist 2000 B.C.	02
Fig 02: Bhimbetka rock painting	39
Fig 03: Bronze statue of a dancing girl	42
Fig 04: Teracotta figures from Harappa	42
Fig 05: Original flow of River Sarasvatī	43

ACKNOWLEDGEMENT

For me, the journey up to completing this research has been a lifelong challenge. From my humble beginnings in my secondary school in Minu/Marapola Maha Vidyalaya up to being a PhD Scholar of University of Sri Jayawardenapura was a path filled with many obstacles. Therefore I would like to acknowledge all my teachers from my school days, and the lecturers and professors from the Faculty of Music and Fine Arts, University of Delhi.

I would like to acknowledge the Department of Graduate Studies of University of Sri Jayawardenapura and its staff for enlightening me on everything I needed to know about the course structure and procedures all through the past few years.

I would like to thank my supervisor Prof. Pradeep Ratnayake for his continuous guidance as well as his efforts to constantly encourage me to complete this project even during times where my circumstances were against it.

I am also thankful to my supervisor Dr. Thushara Ratnayake, Prof. Walter Marasinghe and my colleagues from the University of Delhi for their advice and insight on key arguments of my research study.

Finally I would like to thank my family for their support and encouragement, especially my husband for his dedication to drive me forward in achieving my goals.

EVOLUTION OF SVARA IN INDIAN CLASSICAL MUSIC

Rudriguge Harshani Dilrukshi

ABSTRACT

'Svara' is the name used in Indian music which has a history that dates back to thousands of years. India is known to have one of the most ancient civilizations in the world. Music was an integral part in that civilization. Therefore the study of Svaras of Indian music has been widely popular among researchers all the time. But still the story of Svaras in Indian music has some uncovered areas.

Musicians in Indian music believed on the theory of the influence of Vedic (sacred) *Svaras* on the *Svaras* of secular music. But a close observation on the latest geographical findings proves that the Vedic and Laukika or secular music have had developed parellely over the years. This proves that the *Svaras* of secular music had their own identity.

The origin of *Svaras* as well as their names is still a mystery. Various authors in Indian music commented on this and gave their opinions. However none of their commentaries on the origin of *Svara* names carry any common denominator. When they related the origin of *Ṣaḍja* i.e. the first musical note to physical organisams, they related the second musical note i.e. *Rṣabha* to the sound of the bull. This is one of the examples that triggered the curiosity to embark on this research project.

Even though the number of Śuddha Svaras was seven in number from the beginning, the number of displaced notes or Vikṛti Svaras changed in number, names and frequency because of the complexity in describing the practical aspects in Indian music.

When the musicians in Indian music started to build up a theoretical framework on this subject, they came up with different opinions. But one after another their opinions changed as none of the opinions would satisfy the complexity. But still the authors of Indian music were trying to build up a more practical framework on describing their music.

It is, therefore, a highly interesting matter to study the hard efforts to provide a theory on describing such a complex subject these musicians came up with numerous calculations, scientific experiments and laboratory tests for the sake of building up this theoretical framework. Giving an exact frequency on musical notes can be an important requirement for a music system like of Europeans, which are based mostly on group performances. But in Indian music each *Svara* takes a different feature when they put into difference *Rāgas*. The mood of the *Rāga* refered by authers in Indian music ,the mood of the performer, the time of the day, the season of the year changes the features of *Svaras*. Therefore the scientific experiments may be helpful for a student to grasp the outline of Indian classical music. But to understand the depth of it one has to attain a higher practical knowledge.

This research also focuses on why, when and where the *Svara* in Indian music lost its divinity as earlier it was not just a mere subject but a religion, a language, and a science which connected human beings with the metaphysical world.