



AVANTHI INSTITUTE OF PHARMACEUTICAL SCIENCES

(Approved by PCI, AICTE & Affiliated to JNTUH)

Gunthapally (V), Abdullapurmet (M), R.R. Dist., Near Ramoji Filmcity, Hyderabad - 501 512.

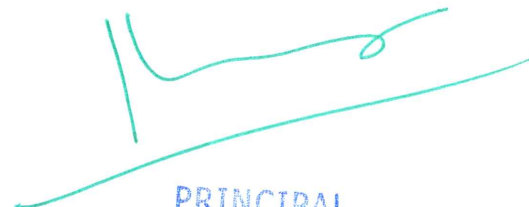
3.3.2 Number of books and chapters in edited volumes/books published and papers published in national/ international conference proceedings per teacher during the year

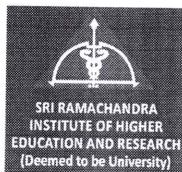
2019-2020

Sl. no	Name of the teacher	Title of the book/ chapters published	Title of the paper	Title of the proceedings of the conference	Name of the conference	National / International	Year of publication	ISBN/ ISSN number of the proceeding	Affiliating Institute at the time of publication	Name of the publisher
1	Jitendra patel		Antioxidant study of unani formulation Arq mundi	Antioxidant study of unani formulation Arq mundi	Indian pharmaceutical congress, chennai	International	2019		Avanthi Institute Of Pharmaceutical Sciences	

AVANTHI INSTITUTE OF PHARMACEUTICAL SCIENCES




PRINCIPAL
AVANTHI INSTITUTE OF
PHARMACEUTICAL SCIENCES
Gunthapally (V), Abdullapurmet (M),
R.R. Dist. Telangana.



Antioxidant study of Unani formulation Arq mundi



Jitendra Patel¹, K. Ashok Kumar².

¹Avanthi Institute of Pharmaceutical Sciences, Gunthapally, Hyderabad.

²Viganan Institute of Pharmaceutical Sciences, Hyderabad. TS, India.

Paper code: PHG0234

ABSTRACT

Arq mundi (a clear aqueous distillate of flowers of the plant *Sphaerenthus indicus*) a unani product recommended by the unani practioners in variety of cardiovascular, neurodegenerative and other disorders was evaluated for antioxidant property in various *in vitro* models. The hydrogen donating ability was measured in the presence of 1,1 diphenyl-2-picryl hydrazyl (DPPH) radical, reducing power was studied according to the reaction of Fe³⁺ to Fe²⁺ and inhibiton of nitric oxide radical generation was also studied. The IC₅₀ values for all the above studied *in vitro* models were encouraging and found to be 1 ml (undiluted preparation). On the basis our result, it is revealed that arq mundi possesses free radical scavenging ability. Free radicals have been reported to be one of the causes for the above organ disorders. Thus our study justifies application of the arq in the above disorders.

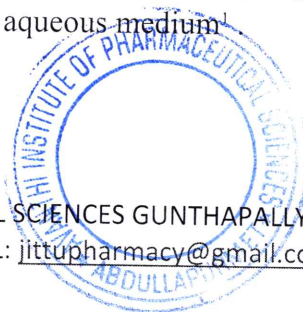
INTRODUCTION

A wide variety of health care systems such as allopathy, homeopathy, ayurveda, unani, siddha etc are in practice across the world with the unanimous aim of benefiting the patient by getting rid of his/her ailments. Unani is one such system, where the preparations known as arqs are perhaps widely preferred in addition to others. Arqs are liquid preparations, obtained by distillation of macerated crude drugs in aqueous medium¹

JITENDRA PATEL

AVANTHI INSTITUTE OF PHARMACEUTICAL SCIENCES GUNTHAPALLY VILLAGE, HAYATHNAGAR

NEAHYDERABAD.TELANGANA.INDIA.EMAIL: jittupharmacy@gmail.com



PRINCIPAL
Avanthi Institute of Pharmaceutical Sciences
Gunthapally (V), Hayath Nagar (M),
Ranga Reddy Dist.