
Molecular and Therapeutic actions of Thymoquinone

Hina Younus
Editor

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Preface

Throughout history black seeds, *Nigella sativa* seeds, have been one of the most revered medicinal seeds. Thymoquinone (TQ), an active principle component of the volatile oil of black cumin seeds, is an emerging natural compound with a wide range of medical applications. It has several beneficial pharmacological activities, i.e., antioxidant, anti-diabetic, anti-inflammatory, anti-microbial, anti-tumour, anti-mutagenic, hepatoprotective, neuroprotective and nephroprotective properties. Thus it is important to move TQ from the bench to bedside. This book gives a detailed account of some of its molecular and therapeutic actions.

This book will give researchers and scientists an overview on the pharmacological properties of TQ and provides an explanation for the use of *Nigella sativa* seeds/ TQ in traditional medicine. I sincerely hope that this book will benefit researchers in various fields of life sciences, including those working in the field of medical sciences, pharmacy and natural products. Some knowledge of biochemistry is assumed, and clear and simple language is used in the book. Most scientific terms are defined and placed in context when they are first introduced.

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Aligarh, India

Hina Younus

Contents

1	Introduction	1
	Hina Younus	
2	Antidiabetic Action of Thymoquinone	7
	Hina Younus	
3	Anticancer Action of Thymoquinone	19
	Arshad H. Rahmani	
4	Antioxidant and Anti-inflammatory Action of Thymoquinone	41
	Arif Khan	
5	Antimicrobial Action of Thymoquinone	57
	Masood A. Khan	
6	Hepatoprotective Action of Thymoquinone	65
	Amaj A. Laskar	
7	Anti-epileptic Action of Thymoquinone	75
	Habibullah Khalilullah	
8	Future Prospects and Conclusions	81
	Hina Younus	

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