

Antiviral effects of *Elwendia persica* with special reference to Rajasthan, India

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Elwendia persica or Black cumin belongs to Angiosperms, Eudicots, family Apiaceae. Indian spices such as *Elwendia persica* (Shahi Jeera), *Trachyspermum ammi*, *Syzygium aromaticum*, *Syzygium polyanthum*, *Zingiber officinale*, *Coriandrum sativum*, *Elettaria cardamomum* (Green cardamom or small cardamom or true cardamomum), *Amomum subulatum* *Trigonella foenum graec*, *Piper longum*, *Piper nigrum*, *Terminalia chebula*, *Capsicum annum*, have potent antiviral properties.

Ajmer is located in the center of Rajasthan (INDIA) between 25 0 38 "and 26 0 58 "north 75 0 22" east longitude covering a geographical area of about 8481sq km surrounded all sides by Aravalli hills. Ajmer is famous for Dargah and Pushkar. *Elwendia persica* has Insecticidal, Antimicrobial, Antifungal, Anticancer, Antiobesity, effects. It is also used to treat leprosy, chicken pox, measles, asthma, respiratory diseases, ulcer and skin diseases. *Elwendia persica* belongs to Angiosperms, Eudicots, family Apiaceae.

Introduction:

Elwendia persica (Black jeera) also known as Bengal Jeera, Hill Jeera, Brown Cumin, Shahi Jeera, Winged Cumin, Indian Cumin, Kerala Cumin is perennial herb belongs to family Apiaceae. It corrects Alimentary Canal disorders. It is also taken to Cure Malaria and Jaundice.



Classification of *Elwendia persica*:

Kingdom - Plantae

Clade - Tracheophytes

Clade - Angiosperms

Clade - Eudicot

Clade - Asterids

Family - Apiaceae

Genus - *Elwendia*

Species – *persica*

Methods: Two groups of 10-10 persons were made persons suffering from Flu.

- Group I: 10 persons were not given
- Group II: 10 persons were given 2 gram per day *Elwendia persica* powder for 2 weeks. Group II persons suffering from Influenza recovered faster than group I .

Observations and Results: Group II where *Elwendia persica* was given recovered Faster and fewer incidences of viral diseases. So it is concluded that *Elwendia persica* has antiviral qualities. Active compound is *Elwendic acid*.

Conclusion: Cold and influenza and Alimentary canal diseases were observed and treated with *Elwendia persica* were effective antiviral medicine in most viral diseases. Other antivirals are *zingiber officinale*, *Piper longum* , *Ocimum sanctum* are other antivirals .

Biography

Rashmi Sharma is Associate Professor Samrat Prithviraj Chauhan Government College, India. She has 28 years teaching and Research experience. She has published more than 30 papers in International journals. She has attended more than 70 International and national conferences. 8 students have completed MPhil under her guidance. 5 Students are doing PhD under her guidance. 2 completed under her guidance. 1 candidate Awarded PhD degree under guidance. She is author of 20 books.

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