

# Exploring Knowledge about Antifungal Property of Neem

**Mayur Harishchandra Sakat, Gagare Harshad Ravsaheb, Aishwarya Bhaskar Labade, Avanti Sahebrao Kale, Asit Jeevan Sirsat, Ms. Prachi Padwal**  
Samarth Institute of Pharmacy, Belhe, Maharashtra, India

**Abstract:** *Azadirachta indica*, commonly known as neem, has attracted worldwide prominence in recent years, owing to its wide range of medicinal properties. Neem has been extensively used in Ayurveda, Unani and Homoeopathic medicine and has become a cynosure of modern medicine. Neem elaborates a vast array of biologically active compounds that are chemically diverse and structurally complex. More than 140 compounds have been isolated from different parts of neem. All parts of the neem tree- leaves, flowers, seeds, fruits, roots and bark have been used traditionally for the treatment of inflammation, infections, fever, skin diseases and dental disorders. The medicinal utilities have been described especially for neem leaf. Neem leaf and its constituents have been demonstrated to exhibit immunomodulatory, anti-inflammatory, antihyperglycaemic, antiulcer, antimalarial, antifungal, antibacterial, antiviral, antioxidant, antimutagenic and anticarcinogenic properties. This review summarises the wide range of pharmacological activities of neem leaf.[2].

**Keywords:** Azadirachta indica.

## REFERENCES

- [1]. <https://www.scielo.br/j/bjos/a/BsQKRJP7gCBjrfFBw6jQksL/?lang=en#:~:text=Nimbidin%20and%20nimbolide%2C%20which%20are,and%20fungal%20cell%20wall%203>
- [2]. <https://pubmed.ncbi.nlm.nih.gov/15777222/>
- [3]. Antifungal Activity of leaf extract of Neem (Azadirachta Indica Linn)D.K.Shrivastava and Kshma Swarnkar\*Govt. E. Raghavendra Rao Postgraduate Science College Bilaspur (Chhattisgarh) – 495001, India .
- [4]. [https://www.researchgate.net/publication/261642226\\_ANTIFUNGAL\\_ACTIVITIES\\_OF\\_SEED\\_OIL\\_OF\\_NEEM\\_Azadirachta\\_indica\\_A\\_Juss](https://www.researchgate.net/publication/261642226_ANTIFUNGAL_ACTIVITIES_OF_SEED_OIL_OF_NEEM_Azadirachta_indica_A_Juss)
- [5]. [https://www.researchgate.net/publication/359873203\\_An\\_Overview\\_of\\_Antibacterial\\_and\\_Antifungal\\_Effects\\_of\\_Azadirachta\\_indica\\_Crude\\_Extract\\_A\\_Narrative\\_Review](https://www.researchgate.net/publication/359873203_An_Overview_of_Antibacterial_and_Antifungal_Effects_of_Azadirachta_indica_Crude_Extract_A_Narrative_Review)
- [6]. Antifungal Activity of leaf extract of Neem (Azadirachta Indica Linn)D.K.Shrivastava and Kshma Swarnkar\*Govt. E. Raghavendra Rao Postgraduate Science College Bilaspur (Chhattisgarh) – 495001, India .
- [7]. Review Article | Open Access
- [8]. Volume 2016 | Article ID 7382506 | <https://doi.org/10.1155/2016/7382506>
- [9]. <https://chembioagro.springeropen.com/articles/10.1186/s40538-018-0130-3>
- [10]. [https://www.semanticscholar.org/paper/ANTIFUNGAL-PROPERTIES-OF-NEEM-\(AZADIRACHTA-INDICA-Niharika-Aquicio/a090e561a6e03cf179e93aa78a188080fe94a0e6](https://www.semanticscholar.org/paper/ANTIFUNGAL-PROPERTIES-OF-NEEM-(AZADIRACHTA-INDICA-Niharika-Aquicio/a090e561a6e03cf179e93aa78a188080fe94a0e6)
- [11]. <https://ijrps.com/index.php/home/article/view/2811>
- [12]. <https://journals.innovareacademics.in/index.php/ajpcr/article/view/22171>
- [13]. [https://www.academia.edu/38756424/ANTIFUNGAL\\_PROPERTIES\\_OF\\_NEEM\\_AZADIRACHTA\\_INDICA\\_LEAVES\\_EXTRACT\\_TO\\_TREAT\\_HAIR\\_DANDRUF](https://www.academia.edu/38756424/ANTIFUNGAL_PROPERTIES_OF_NEEM_AZADIRACHTA_INDICA_LEAVES_EXTRACT_TO_TREAT_HAIR_DANDRUF)
- [14]. <https://bioresources.cnr.ncsu.edu/resources/antifungal-activity-and-chemical-composition-of-neem-seed-extract-azadirachta-indica-a/>
- [15]. <https://bioresources.cnr.ncsu.edu/resources/antifungal-activity-and-chemical-composition-of-neem-seed-extract-azadirachta-indica-a/>

- [16]. <https://lokmat.news18.com/lifestyle/neem-leaves-are-very-beneficial-for-bp-and-diabetic-people-health-benefits-of-neem-leaves-mhpj-720629.html>