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# **Medicinal Plant Images**

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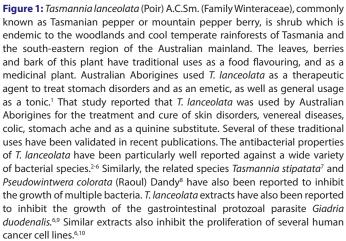
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## **REFERENCES**

- Cock IE. The phytochemistry and chemotherapeutic potential of Tasmannia lanceolata (Tasmanian pepper): a review. Pharmacogn Commun. 2013;3(4):13-25.
- Winnett V, Boyer H, Sirdaarta J, Cock IE. The potential of *Tasmannia lanceolata* as a natural preservative and medicinal agent: antimicrobial activity and toxicity. Phcog Commn. 2014;4(1):42-52. doi: 10.5530/pc.2014.1.7.
- Cock IE, Winnett V, Sirdaarta J, Matthews B. The potential of selected Australian medicinal plants with anti-Proteus activity for the treatment and prevention of rheumatoid arthritis. Pharmacogn Mag. 2015;11(Suppl 1);Suppl 1:S190-208. doi: 10.4103/0973-1296.157734, PMID 26109767.
- Winnett V, Sirdaarta J, White A, Clarke FM, Cock IE. Inhibition of Klebsiella pneumoniae growth by selected Australian plants: natural approaches for the prevention and management of ankylosing spondylitis. Inflammopharmacol. 2017;25(2):223-35. doi: 10.1007/s10787-017-0328-1.
- Wright MH, Jay Lee CJ, Arnold MSJ, Shalom J, White A, Greene AC, Cock IE. GC-MS analysis of *Tasmannia lanceolata* extracts which inhibit the growth of the pathogenic bacterium *Clostridium perfringens*. Pharmacogn J. 2017;9(5):626-37. doi: 10.5530/pj.2017.5.100.



**Figure 2:** Australian *Acacia* spp. The genus *Acacia* (family *Fabaceae*) is a large genus of more than 1200 trees and shrubs which are widely distributed throughout the world, with more than 700 species indigenous to Australia. The Australian species had multiple medicinal uses by indigenous Australians, including being used to treat diarrhoea and hyperglycemia<sup>11</sup> and as a general antiseptic agent<sup>12-15</sup> Many Australian Acacia species have been reported to have amtimicrobial, molluskicidal, antihypertensive and platelet aggregatory activities.<sup>11</sup> This photograph was taken at Griffith University, Australia in 2015 by Dr lan Cock.

- Vallette L, Rabadeaux C, Sirdaarta J, Davis C, Cock IE. An upscaled extraction protocol for *Tasmannia lanceolata* (Poir.) AC Sm.: Anti-bacterial, anti-Giardial and anticancer activity. Pharmacogn Commun. 2016;6(4):238-54. doi: 10.5530/ pc.2016.4.7.
- Hart C, Ilanko P, Sirdaarta J, et al. Tasmannia stipitata as a functional food/ natural preservative: antimicrobial activity and toxicity. Pharmacogn Commun. 2014;4(4):33-47.
- Barillot C, Davis C, Cock IE. Pseudowintera colorata (Raoul) Dandy hydro-alcohol leaf extract inhibits bacterial triggers of some autoimmune inflammatory diseases. Pharmacogn Commun. 2017;7(4):164-71. doi: 10.5530/pc.2017.4.24.
- 9. Rayan P, Matthews B, Mc Donnell PA, Edwin Cock I. Phytochemical analysis of *Tasmannia lanceolata* extracts and inhibition of *Giardia duodenalis* proliferation. Phcogj. 2016;8(3):291-9. doi: 10.5530/pj.2016.3.19.
- Jamieson N, Sirdaaerta J, Cock IE. The anti-proliferative properties of Australian plants with high antioxidant capacities against cancer cell lines. Pharmacogn Commun. 2014;4(4):71-82.
- Cock IE. Medicinal and aromatic plants Australia. In: Oxford, UK: EOLSS Publishers. Ethnopharmacology, Encyclopedia of Life Support Systems (EOLSS), Developed under the auspices of UNESCO. Available from: http://www.eolss.net [cited 9/12/2021].
- Cock IE. Antibacterial activity of selected Australian native plant extracts. Internet J Microbiol. 2008;4:2.
- Cock IE. Antimicrobial activity of Acacia aulacocarpa and Acacia complanta methanolic extracts. Phoog Commn. 2012;2(1):66-71. doi: 10.5530/pc.2012.1.12.
- Cock IE. Australian Acacia spp. extracts as natural food preservatives: growth inhibition of food spoilage and food poisoning bacteria. Pharmacogn Commun. 2017;7(1):4-15. doi: 10.5530/pc.2017.1.2.
- Cock IE, Winnett V, Sirdaarta J, Matthews B. The potential of selected Australian medicinal plants with anti-Proteus activity for the treatment and prevention of rheumatoid arthritis. Pharmacogn Mag. 2015;11(Suppl 1):S190-208. doi: 10.4103/0973-1296.157734, PMID 26109767.