Antioxidant, Antimicrobial and Antiviral Properties of
Dec 21, 2020 · Figure 4 shows the antimicrobial mechanisms of chemical antimicrobial agents against herbal antimicrobial agents [34,35]. The application of herbal materials would be an ideal alternative [36,37] and can also open up a new chance for producing new anticancer, antimicrobial, and antiviral drugs with lower side effects.

Phytochemical and Pharmacological Properties of Gymnema
Jan 06, 2014 · Furthermore, the bioactive compounds of plant have antimicrobial, anti-inflammatory, and anticancer properties. The leaves of the plant are used for the treatment of obesity, dental caries, antibiotic, in stomachache, blood purifier, and in rheumatism. Some of the significant pharmacological properties of the herb had been discussed in detail.

Non-antimicrobial and Non-anticancer Properties of ZnO
Jan 05, 2022 · In the present work, we investigate the antimicrobial properties against two Gram-pos. bacteria (Staphylococcus aureus and Bacillus subtilis) of ZnO microrods (MRs) and nanorods (NRs), produced in bulk quantities through simple and inexpensive methods. We demonstrate that the antimicrobial effect is strongly dependent on the rod size and dose.

Uncovering the Phytochemical Basis and the Mechanism of
Dec 16, 2021 · Plant extract is a complex concoction of several phytochemicals, for instance, phenolics, sugars, flavonoids, xanthones, and several others. In general, it is said that hydroxyl-rich phenolics act as reducing agents for metal ions, but little is discussed about the stabilizing ligands of metal nanoparticles (NPs). Thus, despite the popularity of plant extract-mediated ...

Molecules | Free Full-Text | Caralluma tuberculata N.E.Br
Dec 13, 2021 · Solubility of phytoconstituents depends on the polarity of the extraction medium used, which might result in the different pharmacological responses of extracts. In line with this, ethnomedicinally important food plant (i.e., Caralluma tuberculata extracts) have been made in fourteen distinct solvent systems that were then analyzed phytochemically via total phenolic ...

Qualitative and Quantitative Determination of - Hindawi
Oct 20, 2016 · The phytochemical contents of some milled Nigerian softwood chips were carried out in a quest to evaluate their potentials as sources of alternative medicine as well as uses in other industrial applications. The qualitative and quantitative analysis were ascertained.
Tannin was found in all the Nigerian softwoods examined with the highest quantities obtained in...

**Antimicrobial activity of some plant extracts against**
Feb 01, 2018 · Five plant species were investigated to evaluate their antibacterial activity against food poisoning bacteria including two strains of Gram positive bacteria (B. cereus & S.aureus) and three strains of Gram negative bacteria (E. coli, S. typhi & P. aeruginosa) using disc diffusion method. Evaluation of antibacterial activity of these plant extracts was recorded in Table 2 and...

**Antibacterial activities of ethanol extracts of Philippine**
Jul 01, 2015 · Phytochemical analysis and comprehensive evaluation of antimicrobial and antioxidant properties of 61 medicinal plant species Arab J Chem (2015), 10.1016/j.arabjc.2015.01.013 Google Scholar

**Molecules | Free Full-Text | Screening of Plant Pollen**
Dec 26, 2021 · Bee pollen has been reported as possessing antimicrobial, antifungal, anti-inflammatory, antiviral, immunostimulant and local analgesic properties. These beneficial effects of bee pollen on health are a result of the diverse array of secondary plant metabolites (niacin, tocopherol, thiamine, polyphenols, phytosterols) as well as coenzymes and...

**Review on plant antimicrobials: a mechanistic viewpoint**
Jul 16, 2019 · The results of this investigation indicated that extracts obtained from the aerial parts of S. litwinowii possessed antioxidant and antimicrobial properties. Baicalein could also remarkably restore the effectiveness of β-lactam antibiotics, tetracycline, and ciprofloxacin against MRSA via inhibition of the NorA EP [117].

**Journal of the Serbian Chemical Society**
The Journal of the Serbian Chemical Society - JSCS (formerly Glasnik Hemijskog društva Beograd) publishes articles original papers that have not been published previously, from the fields of fundamental and applied chemistry: Theoretical Chemistry, Organic Chemistry, Biochemistry and Biotechnology, Food Chemistry, Technology and Engineering, Inorganic...

**Phytochemical investigation and antimicrobial properties**
Italy and Tunisia (Africa for the Romans), facing each other on the opposite sides of the Mediterranean Sea, have been historically linked since the ancient times. Over the centuries both countries...

**Comparative analysis of medicinal plants used in traditional medicine in Italy and Tunisia**
They are rich in phytochemicals like phenolic. They possess anti-inflammatory, antioxidant, antimicrobial, anti-cancer, anti-diabetic properties, and many more. Antioxidant properties: The...

**Health benefits of microgreens**
They may also reduce inflammation. While research is limited, some studies have highlighted dates for improving brain health and providing antibacterial properties thanks to those antioxidants and...

**Dates add more to your plate than sweetness—here’s how they help your health**
ARS research is organized into National Programs. Within each National Program are research projects. Listed below are the National Programs and research projects currently conducted at this location.

**Research programs and projects at this location**
These beneficial properties are found in the phytochemicals of its root. It
may help heal skin issues and joint pain and has anti-inflammatory and antimicrobial properties. The root extract has

**best sarsaparilla supplement**  
Isolation and Identification of Compounds from Bioactive Extracts of Taraxacum officinale Weber ex F. H. Wigg. (Dandelion) as a Potential Source of Antibacterial Agents.

**evidence-based complementary and alternative medicine: ecam**  
The antiviral mechanism of action of many of these phytochemicals showed strong antimicrobial activity against the skin associated microorganisms E. coli, S. aureus, S. epidermidis and T. rubrum

**dr katie laird**  
Industry / Consulting (e.g. AstraZeneca, GSK, GEA Process Engineering, IS Instruments Ltd, Blue Frog Design Ltd, Ocean Optics UK, OncoLytica Ltd, Biopharma Process System Ltd, Microfresh and Pal

**leicester institute for pharmaceutical innovation collaborations and projects**  
2015). In folk medicine, BP has long been used as a tonic and a multipurpose remedy, and it is widely known that various phytochemicals in BP are bioactive. Chilean BP has been reported to have an

**first report of fatty acids in mimosadiplotricha bee pollen with in vitro lipase inhibitory activity**  
This is an open access article distributed under the terms of the Creative Commons Attribution License, which permits unrestricted use, distribution, reproduction and adaptation in any medium and for

**a critical review on modulators of multidrug resistance protein 1 in cancer cells**  
The use of medicinal herbs and bioactive phytochemicals and our scientific knowledge of These alkaloids have actions that include antimicrobial, antioxidant, anti-inflammatory, ionotropic and

**how do herbs work? an introduction to herbal modes of action and use**  
Evaluation of the in vitro antibacterial activity of the solvent products of the Bhutanese So-wa-rig-pa health care system. Investigation of synergistic mechanism and identification of

**bmc complementary and alternative medicine**  
My research concentrates on protein structure and function, mainly by means of NMR, and is described in more detail below. I also teach NMR and protein structure, signalling, membranes and molecular

**professor mike williamson**  
Plus, she said, eating cranberries can increase immunity-promoting properties in the body. “This can help to fight against infection and bacteria,” she explained. Besides being a good source

**what to eat to boost your immune system this fall**  
ARS research is organized into National Programs. Within each National Program are research projects. Listed below are the National Programs and research projects currently conducted at this location.