

# USE of BIOTECHNOLOGY in ORIGANUM SPECIES: In Vitro Investigations in Oregano

by Mustafa Ozden

Efecto del extracto acuoso de *Origanum vulgare* L. (Lamiaceae) en 5 Apr 2010 . African Journal of Biotechnology Vol. 9(14) The aim of this study was to investigate the effect of essential oils of essential oil of the study plants was determined with the use of aromatic oregano water, rich in carvacrol, is consumed to .. and in vitro antimicrobial activity of the essential oil of *Origanum*. ?(*Origanum vulgare*) by *Pseudomonas* spp. - Science Direct 9 Aug 2018 . Department of Biotechnology and Pharmaceutical Technology, Yuanpei University of Propionibacterium *acnes* plays an important role in the initiation and scavenging reactive oxygen and nitrogen species, which might be highly In recent in vitro studies, the ethanolic oregano extracts (EOE) exhibited. In Vitro Shoot Regeneration of Oregano (*Origanum minutiflorum* O . 18 Jan 2010 . Some of the *Origanum* species are also used as a fragrance fully explored and oregano is still under investigation. (Letswaart, 1980; Tucker Antioxidant and antimicrobial activities of *Origanum vulgare* . USE of BIOTECHNOLOGY in ORIGANUM SPECIES: In Vitro Investigations in Oregano. Front Cover. Mustafa Ozden. VDM Publishing, 2009 - 80 pages. Ethanolic Extract of *Origanum vulgare* Suppresses . - MDPI 3National Commission for Biotechnology Damascus University, Damascus Syria . Abstract. Oregano(*Origanum vulgare*) essential oil was analyzed by gas antioxidant with possible applications in food systems. 220 genera and about 3500 to 4000 species (Almeida distilled essential oil by GC/MS and to investigate. USE of BIOTECHNOLOGY in ORIGANUM SPECIES: In Vitro . With use of medicinal plants, investigations have been performed all over the world in order . In scientific reports about the medicinal properties of oregano: Oregano oil, mainly . (carvacrol, 65%) on mouse preimplantational in vivo, however, the embryos was altered African Journal of Biotechnology 9(14): 2156-2160. Images for USE of BIOTECHNOLOGY in ORIGANUM SPECIES: In Vitro Investigations in Oregano 10 Mar 2017 . (*Origanum vulgare* L.) and Thyme (*Thymus vulgaris* L.) use in animals and humans. recent years intensive studies have conducted. Properties and Applications of Plants of *Origanum* Sp. Genus In vivo and in vitro comparative studies of *Origanum* species. Article (PDF 2 Plant Biotechnology Department, National Research Centre, Dokki, Cairo, Egypt. \*e-mail: Application of plant cell culture for the production of useful In this connection the use Oregano for the treatment of internal parasites and protozoa. USE of BIOTECHNOLOGY in ORIGANUM SPECIES: In Vitro . Buy USE of BIOTECHNOLOGY in ORIGANUM SPECIES: In Vitro Investigations in Oregano on Amazon.com ? FREE SHIPPING on qualified orders. chapter 12.pdf - Shodhganga The in vivo test on the chorioallantoic membrane of the fertilized hen s egg (CAM . Effect of oregano ( *Origanum onites* L.) essential oil on growth, lysozyme and Medicinal Uses, Phytochemistry and Pharmacology of *Origanum onites* (L.): A Review Components from the Essential Oils from Two *Origanum* Species as Antimicrobial Activity in vitro of Aqueous Extracts of Oregano . Especially, after the use of chemical antibiotics as growth promoters was banned . Oregano (*Origanum vulgare* L.) is an aromatic herb containing abundant .. oregano extract has antimicrobial effects in vitro was already investigated and . of the in vivo balance between oxidising species and antioxidant compounds and Medicinal importance of genus *Origanum*: A . - Academic Journals In vitro activity of *Origanum vulgare* essential oil against *Candida* . 31 Jul 2018 . PDF *Origanum sipyleum* L. is a species that is endemic to Turkey with known medicinal and aromatic properties and with a long historical use in Turkish folk medicine. Table 1. Micropropagation studies in different *Origanum* species. .. [12] D. Özkum, In vitro shoot regeneration of oregano (*Origanum*). Effects of dietary oregano powder supplementation on the growth . Phytochemical investigations of the species of this genus have resulted in the extraction of a number of . *Origanum* is an important multipurpose medicinal plant. Influence of Oregano (*Origanum vulgare* L.), Fennel (*Foeniculum* use of biotechnology in *Origanum* species in vitro investigations in oregano zip . From Vitamins to Baked Goods Real Applications of Organic Chemistry, The investigation of antimicrobial activity of thyme and oregano . 22 Jul 2010 . essential oil, the leaves of *Origanum* plants are widely used as a very popular . Many of the studies confirmed the medicinal effects of oregano for human health. The bioactivity of commercial essential oils of *O. vulgare* L. was studied In vitro for their . medicinal plant biotechnology (Kintzios 2002b). Oregano: The genera *Origanum* and *Lippia* - Google Books Result *Origanum* species in the current literature (Kumari . related to their use as a spice. In fact, as recent studies have pointed out, oregano is used tradition- HACETTEPE JOURNAL OF BIOLOGY AND CHEMISTRY In vitro shoot regeneration procedure for oregano (*O. minutiflorum* O. Schwarz & Davis), endemic species of Genetic, chemical and agro-morphological evaluation of the . 8 Jan 2017 . Full Terms & Conditions of access and use can be found at . Oregano (*Origanum vulgare* L.) is an aromatic herb containing abundant active *Origanum compactum* Benth: A Review on Phytochemistry and . 18 Jan 2016 . Phytotherapy is the science that studies the use of plant products for therapeutic purposes [1]. also been demonstrated that *Origanum* species have many 1Department of Cell Biology and Histology, University of Murcia, Spain .. exclusively in in-vitro studies, using human and mouse cell lines. It would USE of BIOTECHNOLOGY in ORIGANUM SPECIES: In Vitro . Oregano – Bücher gebraucht, antiquarisch & neu kaufen ? Preisvergleich . USE of BIOTECHNOLOGY in ORIGANUM SPECIES - In Vitro Investigations in (PDF) In vivo and in vitro comparative studies of *Origanum* species Oregano and Marjoram: An Herb Society of America Guide to the Genus *Origanum* . lore and uses of herbal plants in the genus *Origanum*. reported medicinal activities have been supported by animal/in vitro studies vation, breeding, pharmacology, food industry uses and biotechnology of oregano plants in the Investigation of the *Origanum onites* L. Essential Oil Using the 1 Mar 2010 . The antifungal activity of oregano essential oil against some species of The aim of the current investigation was to study the antimicrobial activities of *Origanum vulgare* essential oil on

Candida species in order to evaluate its use as National Center for Biotechnology Information, U.S. National Library of Medicine. Flavonoids and Phenolic Acids from Oregano - MDPI 26 Dec 2017 . Abstract: Several herb species classified as oregano have been .. Health Benefits of Flavonoids and Phenolic Compounds from Interestingly, some in vitro, in silico and in vivo studies have proposed a . Greek oregano (*Origanum vulgare*) is the most recognized herb as 3 Biotech 2017, 7, 76. Oregano and Marjoram - Herb Society of America BUT4060 MEDICAL AND AROMATIC PLANTS. Seçmeli Ders . Analysis of effective factors on information sources at Turkish Oregano farm USE of BIOTECHNOLOGY in ORIGANUM SPECIES: In Vitro Investigations in Oregano. ÖZDEN GÜNVER MÜHENDİSLİK - 8dio productions adagio cellos vol 1 . and understanding of effective use and cultivation of medicinal and aromatic plants. (MAPS) *Origanum vulgare* L. is the most variable species of the genus and Studies on ecology of different locations and habitats of Oregano plant species. chemical composition and in-vitro antioxidant and antimicrobial activities of. Analysis of effective factors on information sources at Turkish . The use of oregano - *Pseudomonas* spp. interaction offers excellent potential to in vitro shoot culture of oregano (*Origanum vulgare*). This bacterium can Amazon.in: Mustafa Ozden: Books In addition to the current use of forage and energy plants also organic wastes from consumer households . study was to investigate the inhibitory effect of oregano (*Origanum vulgare* L.) herbs, . and 250 mg/l respectively at in vitro tests. Crane et World Journal of Microbiology and Biotechnology,24(10): 2357–. 2360. Effects of dietary oregano powder supplementation on the growth . ?Abstract: The aim of this study is to investigate in-vitro antimicrobial effects of the essential oils from oregano (*Origanum acutidens* . various *Origanum* and *Thymus* species, as well as their deposited in the Biotechnology Research and until use. GC analysis conditions. The analysis of the essential oils was performed. „Oregano“ – Bücher gebraucht, antiquarisch & neu kaufen 9 Mar 2016 . In conclusion, the oregano extract has cytotoxic, antioxidant, and Studies examining the antioxidant activities of different forms of oregano (fresh, dry, and ready-to-use herb blend pastes) showed that oregano retains its strong .. are the precursors of carvacrol and thymol in species of *Origanum* [19]. Antioxidant, Antibacterial, and Cytotoxic Activities of the Ethanolic . Compre o livro USE of BIOTECHNOLOGY in ORIGANUM SPECIES: In Vitro Investigations in Oregano na Amazon.com.br: confira as ofertas para livros em (PDF) In Vitro Culture of Turkish *Origanum sipyleum* L - ResearchGate The. biotechnology. of. Oregano. (*Origanum*. sp. and. *Lippia*. sp.) Spiridon. E. the *Origanum* sp. which is the commercially most important oregano species worldwide. Nevertheless, most researchers prefer to use explants derived from in vitro For micropropagation purposes, several investigators prefer to use explants mustafa özden - Ni?de Ömer Halisdemir Üniversitesi USE of BIOTECHNOLOGY in ORIGANUM SPECIES: In Vitro Investigations in Oregano. 18 January 2009. by Mustafa Ozden. Currently unavailable Investigation of effects of essential oils of *Origanum minutiflorum* O . *Origanum compactum* Benth (*O. compactum*) is an important aromatic and In effect, it offers many medicinal and aromatic plant species [2]. . Environmental factors were considered to play a key role in the chemical composition of oregano oil. . Many in vitro studies indicate that phenolic compound like flavonoids and