



Dr. Mohammed Sohail Akhtar

Associate Professor and Assistant Dean Research

School of Pharmacy....

كلية العلوم الصحية

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موقع المكتب: 11-33 ...

يعمل في الجامعة: منذ 2009

Teaching Philosophy: Always my goal is to teach students in easy and simple language for better understanding, of the knowledge and its application in their future carriers. During teaching-learning process I utilized modern technology such as power point to enhance learning. I also engage the learners in lab sessions, small-group discussions and assignments. I tried to give theoretical as well as practical knowledge to the students in easiest method. In addition, I encourage them not to depend on the class notes and develop habit to read books. I always endeavor to instill the habit of self-upgrading by engaging students in activity that needs regular visit to the library and internet for retrieving relevant information to the subject. I employ short answer quizzes, assignments, projects and presentations to assess student learning.

Position: Assistant Professor and Assistant Dean Research

:Qualification

.Bachelor of Pharmacy from Jamia Hamdard, Faculty of Pharmacy, New Delhi. India

Master of Pharmacy in Pharmacognosy and Phytochemistry from Jamia Hamdard, Faculty of Pharmacy, New Delhi. India

Ph.D in Pharmacognosy and Phytochemistry from Jamia Hamdard, Faculty of Pharmacy, New Delhi. India

Area of Specialization: Pharmacognosy & Phytochemistry

:Research interests

Extraction, isolation and purification of medicinal plants, Pharmacognostical studies of medicinal plants, Pharmacological and Phytochemical screening, Evaluation and quality control of herbal medicinal products, Isolation and Analysis of volatile oils

:Brief description of research expertise and research interests

Bioactivity guided isolation of medicinal plants. Phytochemical investigation and Analysis of volatile oils. Standardization of herbal drugs, screening the plants for various bioactivities. My current research objective has been focused on phytochemical research concentrates on native Omani traditional medicinal plants, their active constituents and potential for use in industry and medicine. Pharmacological screenings like Antimicrobial, Antioxidant, Antifungal and Cytotoxic studies of traditional medicinal plants.

Award: FURAP PROJECT titled “Phytochemical investigation, standardization and antibacterial activity of Miswak (*Salvadora persica*) grown in different geographical regions of Oman “selected as winning project and award of **500 RO, trophy and certificate** was given by Oman Research Council TRC on Oct 10, 2015

المؤهلات الأكاديمية

PhD (Pharmacognosy& Phytochemistry), Jamia Hamdard, 2008

M.pharma(Pharmacognosy & Phytochemistry), Jamia Hamdard, , 2004

B.Pharma, Jamia Hamdard , 2002

أنشطة التدريس

Pharmacognosy, History definition of Pharmacognosy, types of crude drugs and its different classifications. Cultivation, collection and processing and storage of medicinal plants. Analysis of the crude drugs, method of drug evaluation for checking adulteration and phytochemical investigation of crude drugs. Study of carbohydrates and phenolic compounds., 2009

Phytochemistry, Spring 2010 to Fall 2011-12

Advanced Phytotherapy, Defintion and advantages and disadvantages of Phytotherapy. Natural products proven effective for the treatment of respiratory, CNS, GIT, Infectious, musculo-skeletal, cancer, skin, CV diseases. And natural products proved effective for improving immunity., 2009 to .till now

الأنشطة البحثية

الاهتمامات البحثية -

Bioactivity guided isolation of medicinal plants. Phytochemical investigation and Analysis of volatile oils. Standardization of herbal drugs, screening the plants for various bioactivities. My current research objective has been focused on phytochemical research concentrates on native Omani traditional medicinal plants, their active constituents and potential for use in industry and medicine. Pharmacological screenings like Antimicrobial, Antioxidant, Antifungal and Cytotoxic studies of traditional medicinal plants. Formulation and evaluation of herbal preparations like

مقال:

1. Antimicrobial, Antioxidant and Cytotoxic Activity of *Maytenus dhofarensis* growing in Oman. .1 Afaf Mohd Weli, Rahma Salim Al-Burtamani, Maryam Sinan Al-Azzawi, Md. Sohail Akhtar and Sadri Abdullah Said. *Journal of Applied Sciences*, 2019,19(3): 229-234

2. Phytochemical investigation, cytotoxicity, antibacterial and anti-oxidant activity of *Olea europaea* fruits grown in Oman. . Md. Sohail Akhtar*, Sumaiya Darwesh Al-Balushi and Maryam Muhanna Saif Awladthani. *European Journal of Biomedical and Pharmaceutical sciences*, 2018, .Volume 5, Issue 11: 98-102

3. Isolation and characterization of antimicrobial compound from the stem-bark of the traditionally used medicinal plant *Adenium obesum*. . Mohammed Sohail Akhtar, Mohammad Amzad Hossain*, Sadri Abdullah Said; *Journal of Traditional and Complementary Medicine*, (2017); .7:296-300

4. In vitro Anticancer Activity of Selected Medicinal Plants from Oman. . Sadri Abdullah Said^{1*}, 4 Yahya Tamimi, Md. Sohail Akhtar, Afaf Mohd Weli, Suleiman Said Al-Khanjari and Qassim Ahmed Al-Riyami. *British Journal of Pharmaceutical Research* 15(5): 1-8, 2017

5. Two new flavonoids from *Adenium obesum* growing in Oman. . Mohammad Amzad Hossain *, 5 Md. Sohail Akhtar, Sadri Said, Tahiya Hilal Ali. *Journal of King Saud University*, (2017)29, 62-69

6. Comparative in-vitro evaluation of *Vitex leucoxydon* Linn bark for antioxidant activity, . Akhtar .6 Md S, Shukla Padmini, Shakula Prabodh, Shashi Alok, Mahor Alok. *International journal of Pharmaceutical Sciences and Research*, 1(1). 2010, 27-33

7. Cytotoxic, Antimicrobial and Anti-oxidant Screening of *Psidium Guajava* Leaves Grown in Oman. . Afaf M Weli*, Amna Al-Kaabi, Sadri Said, Amzad Hossain, Md. Sohail Akhtar, Ahlam Al-Abri and Qasim Al-Riyami . *Global Journal of Pharmacy & Pharmaceutical Sciences*, 2017; 1(2) : 555557.DOI: 10.19080/GJPPS.2017.01.555557

8. New chromone derivatives from *Evolvulus alsinoides* Linn. Aerial parts. . Md. Sohail Akhtar, 8 Raad A. Kaskoos, Showkat Rasool Mir and Mohammed Ali, *Journal of Saudi Chemical Society*. (2009) 13, 191-194

9. Phytochemical investigation and antioxidant activity of *Cymbopogon citratus* leaves grown in Oman, . Md Sohail Akhtar* and Samar Sami AL-Qadim Bait Ambrok. *IJPSR Conference Proceeding*; .2015: 43

10. A comparison of the antimicrobial effectiveness of different polarities crude extracts from the leaves of *Adenium obesum* used in Omani traditional medicine for the treatment of microbial infections, . Mohammad Amzad Hossain, Amira Hamood Salim Al-Musalami, Mohammad Sohail Akhtar, Sadri Said, *Asian Pacific Journal of Tropical Disease*, 2014; 4(2) : S934-S937

11. Evaluation of different extraction methods on antimicrobial potency of *Adenium obesum* stem against food borne pathogenic bacterial strains in Oman. Mohammad Amzad Hossain*, Tahiya Hilal Ali Al-Abri, Amira Hamood Salim Al-Musalami, Md. Sohail Akhtar, Sadri Said. *Asian Pacific Journal of Tropical Disease*, 2014; 4(Suppl 2): S985-S989

12. Evaluation of in vitro antioxidant potential of different polarities stem crude extracts by different extraction methods of *Adenium obesum*; . Mohammad Amzad Hossain, Tahiya Hilal Ali Alabri, Amira hamood Salim Al Musalami, Md Sohail Akhtar, Sadri Said, *Journal of coastal life medicine*, 2014; 2(9):699-703

Phytochemical Screening, Antibacterial and Cytotoxic Activities of *Petroselinum crispum* .13
Leaves Grown in Oman.. Al Marwah Hamood Alhaadi, Samia Saleem Al Rahbi, Md Sohail Akhtar
,Sadri Abdullah Sayeed, Afaf Mohammed Weli, Qasim Al Riyami. Accepted for publication in the
Iranian Journal of Pharmaceutical Sciences. 2013 ; 9 (1): 61-65 (Correspondence Author: Md
.Sohail Akhtar

Antibacterial and cytotoxic activities of *Thymus vulgaris* leaves grown in oman, , Aisha Haroon .14
Al- Balushi, Maryam Aljabri, Md Sohail Akhtar*, Sadri Said, Afaf Weli, Qasim Al-Riyami, Ahlam A.
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Chemical Composition of Volatile Oil of *Lantana indica* Roxb. Leaves. , Md. Sohail Akhtar, .15
.M.Ali, Madhurima and S.R. Mir; Journal of Essential Oil Research, 2006 18(6): 611-612

Anthraquinones from *Rubia cordifolia* roots.. Md. Sohail Akhtar, M. Ali, Madhurima S.R. Mir, .16
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Standardization and antibacterial activityof *Salvadora persica* roots grown in salalah region. .17
Haneen salim Al-weshahi, Md Sohail Akhtar and Kothar Zahran Khamis Al-Bahri, IJPSR Conference
.Proceeding; 2015: 42

Chemical Composition of Essential Oil of *Teucrium mascatenses* Bois grown in Oman. Afaf .18
Mohammed Welia, , Dina Selima, Mohammad Sohail Akhtara , Jamal Nasser Al-Sabahib , Qasim Al-
Riyamia , Rasha Khamis Saif Al-Wahibia , Marwa Mubarak AL Oraithi, Suliman Al-Khanjaric ,
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In vitro Antioxidant, Cytotoxic and Antibacterial Screening of the leaves of *Acridocarpus* .19
orientalis, Native to Sultanate of Oman. Ahlam Al-Abri1, Hazaa Al-Maqbali, Afaf Weli*Sadri
Said,Amzad Hossain and Md. Sohail Akhtar, British Journal of Pharmaceutical Research, 3(4):
.734-742, 2013

Antimicrobial, antioxidant and cytotoxic activities of *Anogeissus dhofarica* from Oman.. Abeer .20
j. al-noumani, Maryam Z.J. al-Qasmi, Asila s.a. al-shabibi, Salem A.I. al-Mashani, Ahlam a. Alabri,
Md. Sohail Akhtar, Afaf M. Weli, Qassim A. al-Riyami, Sadri a. said* International Journal of Recent
.Advances in Pharmaceutical Research, July 2013; 3(3): 35-38

Cytotoxic properties of some herbal plants in Oman.. Sadri A. Said, Sheikha Hamed Ali Al- .21
Saadi, Ahlam R. Al-Abri, Md. Sohail Akhtar, Afaf M. Weli, Qassim Al-Riyami. Journal of Taibah
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Essential oil composition and antimicrobial screening of *Launaea nudicaulis* grown in Oman, , .22
Jamila A. Al-Mahrezi , Jamal Nasser Al-Sabahi , Mohammed Sohail Akhtar , Dina Selim and Afaf
.Mohammed Weli*, IJPSR, 2011; Vol. 2(12): 3166-3169

Phytochemical investigations and antimicrobial screening of *Coleus Aromaticus* grown in .23
Oman, , Afaf Mohammed Welia, * , Dina Selima, Mohammad Sohail Akhtara , Jamal Nasser Al-
Sabahib , Suliman Al-Khanjaric , Qasim Al-Riyamia , Zakia Mubarak Al-Sulimia , Samera Suliman
Adi Al-Salmania , Basema Obaida ,Electronic Journal of Environmental, Agricultural and Food
.Chemistry (EJEAFChe). 2011, 10(11), 3083-3090

Pharmacognostic and phytochemical analysis of *Gymnema Sylvestre* R. (BR.) leaves. , .24
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Pharmacognostic evaluation of *Calendula officinalis* flowers. , Madhurima, S.H. Ansari, Mohd .25
Ali, Prawez Alam, Md. Sohail Akhtar, Sayeed Ahmad. Natural Products an Indian Journal, 3(3),
.2007, 182-186

Essential Oil composition of the fruits of *Elettaria cardamomum*.. Raad A. Kaskoos, Mohd Ali, .26
Reni Kapoor, Madhurima, Md. Sohail Akhtar and Showkat R.Mir, Journal of essential oil bearing
.plants, 9 (1), 2006, pp 81-84

Composition of volatile oil of Syzygium aromaticum buds. Reni Kapoor, M. Ali, Md. Sohail .27 Akhtar, Raad A. Kaskoos, Abdul W. Siddiqui, S.R. Mir, Journal of Essential Oil Bearing Plants .(Journal of essential oil bearing plant 8(2). 2005 pp196-199

الخبرة الإدارية

Assistant Dean Graduate studies and Research - College of Pharmacy and Nursing, الآن - 2014
University of Nizwa
,Research grants from TRC, Undergraduate research grants for students

العضوية في الهيئات المهنية

Life time member of Indian Pharmacy Graduate Association, membership number: الآن-2009
.3409

Life time member of Indian Society of Analytical Scientist, membership number: LM : الآن-2004
.2013

Life time member of Association of Pharmacy Teachers in India, membership number: : الآن-2004
.HA/LM-094

الجوائز والتقدير

The FURAP Research Award, Oct 10, 2015. An amount of 500 RO, trophy and certificate was 2015
given

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المرجع: <https://www.unizwa.edu.om/staff/chs/sohail>