

CURRICULUM VITAE

CONTACT INFORMATION	<p>Mobile no: H/P: +6 0124197873 Tel: +6 04-656 0815</p> <p>Email#1: fsr2009@yahoo.com Email#2: fouad@emanbio.com</p> <p>Address: EMAN Biodiscoveries Sdn. Bhd., Suite 126, Level 1, EUREKA Complex, Universiti Sains Malaysia (USM), Minden - 11800, Penang, Malaysia. Website: http://www.emanlab.com http://scholar.google.com.my/citations?user=XZxp0WAAAAAJ&hl=en</p>
PERSONAL INFORMATION	<p>Name: Dr. Fouad Saleih Resq Al-Suede Gender: Male Place and date of birth: Yemen, 01/01/1976 Material status: Marital Status: Married Nationality: Yemeni</p>
CURRENT JOB	<p>- Chief Scientific Officer, EMAN Biodiscoveries Sdn. Bhd., Universiti Sains Malaysia (USM), Penang, Malaysia.</p>



SUMMARY

I am highly motivated research scholar and enthusiastic academician. I am currently working as a chief scientific officer at EMAN Biodiscoveries, USM, Malaysia. Before that I was teaching Assistant at school of pharmacy, Universiti Sains Malaysia. I obtained my PhD of molecular Pharmacology from Universiti Sains Malaysia (USM) and my PhD thesis title was "Investigation of Molecular Mechanisms Underlying the Anti-Tumor and Anti-Angiogenic Activities of Orthosiphon Stamineus towards Colorectal Cancer". In addition, I obtained my MSc of medical research and my master thesis was "Analysis of Immune Mediators Profile in Sera from Cancer Patients" from the same university. Moreover, I have obtained Malaysian Patent No. PI 2017704167 (November 2017). The title was Extract of orthosiphon stamineus, formulations, and uses thereof. I reward Gold medal, XPRESSHEAL DRINK, NiCERs 2018 and Gold Medal, BioMalaysia 2011. The title was Canssufive® Drink, Standardized Extract of Misai Kucing, For Cancer Prevention.

In last six years, I have published more than 20 good impact research articles (ISI and Scopus Indexed Journals) and attended different international conferences and work shop. I have been established a number of experimental techniques that is highly challenging . These include 7 different types of tumor models such as colon, leukemia, breast, lung, skin, cervical and brain cancers. Besides that, I have been established a number of other disease models including wound healing, diabetic retnopathy, ischemia and arthritis. I'm highly resourceful researcher, highly experienced in tissue cluture work with more than 9 years performing various types of cell lines. I'm also coordinating the Master's and Ph.D. students Research Projects. I have strong experience in the academia, extensive research exposure and training sectors providing

many of professional trainings. I have highly skills and experience to teach the following courses,(Basic physiology, respiratory and renal, Blood system and therapy, Basic pharmacology and biochemistry, central nervous system and Therapy, Endocrine system and metabolism, Cardiovascular system and therapy and Blood banking. I am consistently interested in developing technical knowledge skills. I have an aim to obtain a challenging career that would be useful for academics and research. All-in-all I have an excellent researcher with wide experience in drug discovery work.

ACADEMIC QUALIFICATION

(i) **Ph.D. in Pharmacology** – School of pharmaceutical Sciences, University Sains Malaysia 2016.

Thesis: Investigation of Molecular Mechanisms Underlying the Anti-Tumor and Anti-Angiogenic Activities of Orthosiphon Stamineus towards Colorectal Cancer.

(ii) **Master degree in (Medical Research):** Advanced Medical and Dental Institute. University Science Malaysia on March 2010.

Thesis: Analysis of Immune Mediators Profile in Sera from Cancer Patients.

(iii) **Bachelor's Degree** in Medical laboratory, Faculty of Medicine and Health Science (Yemen) on July 1999.

ACADEMIC MANAGERIAL EXPERIENCES

- Chief Scientific Officer at Eman Biodiscoveries Sdn Bhd from July 2016- present.
- Teaching assistant at School of pharmaceutical Sciences, University Sains Malaysia, Penang from 2011-2014 (3 years).
- A head of laboratory department in Alammanah Hospital, Yemen, Sana'a.
- A head of laboratory department in Almanar Hospital, Yemen, Sana'a.
- Lecturer for hematology and blood banking in Central laboratory, Yeme, Sana'a.
- I had worked in department Medical laboratory at Public Hospital, Yemen, Sana'a.

SELECTED PUBLICATION

- Hassana, Loiy Elsir Ahmed, Foud Saleih R. Al-Suade, Samah M. Fadul, and Amin Malik Shah Abdul Majid. "Evaluation of antioxidant, antiangiogenic and antitumor properties of *Anogeissus leiocarpus* against colon cancer.
- Yehya, A. H., Asif, M., Kaur, G., Hassan, L. E., Al-Suede, F. S., Majid, A. M. A., & Oon, C. E. (2018). Toxicological studies of *Orthosiphon stamineus* (Misai Kucing) standardized ethanol extract in combination with gemcitabine in athymic nude mice model. *Journal of Advanced Research*.
- Khalilpour, S., Behnammanesh, G., **Suede, F.**, Ezzat, M. O., Muniandy, J., Tabana, Y.& Dell'Agli, M. (2018). Neuroprotective and Anti-Inflammatory Effects of *Rhus coriaria* Extract in a Mouse Model of Ischemic Optic Neuropathy. *Biomedicines*, 6(2), 48.
- Arafath, Md Azharul, Farook Adam, **Fouad Saleih R. Al-Suede**, Mohd R. Razali, Mohamed B. Khadeer Ahamed, Amin Malik Shah Abdul Majid, Mohd Zaheen Hassan, Hasnah Osman, and Saifullah Abubakar. "Synthesis, characterization, X-ray crystal structures of heterocyclic Schiff base compounds and in vitro cholinesterase inhibition and anticancer activity." *Journal of Molecular Structure* (2017).
- Khan, Md Shamsuddin Sultan, Muhammad Asif, Mohammed Khadeer Ahamed Basheer, Cheng Wei Kang, **Fouad Saleh Al-Suede**, Oon Chern Ein, Jing Tang, Aman Shah Abdul Majid, and Amin Malik Shah Abdul Majid. "Treatment of novel IL17A inhibitor in glioblastoma implementing 3rd generation co-culture cell line and patient-derived tumor model." *European journal of pharmacology* 803 (2017): 24-38.
- Parayil Varghese Christopher¹, Lok Sin Joe, Manoontri Tian, Tanusha Sethi Brij Mohan, Subramani Parasuraman, **Fouad Saleih Resq Al-Suede** and Vikneswaran Murugaiyah. Evaluation of methanol extract of *Polygonum minus* Huds. leaves for its hepatoprotective activity. *Malaysian Journal of Microbiology*, Vol 12(5) 2016, pp. 345-352.
- Ibrahim, A.H., Khan, M.S.S., Al-Rawi, S.S., Ahamed, M.B.K., Majid, A.S.B.A., **Al-Suede, F.S.R.**, Ji, D. and Majid, A.M.S.A."Safety assessment of widely used fermented virgin coconut oil (*Cocos nucifera*) in Malaysia: Chronic toxicity studies and SAR analysis of the active components." *Regulatory Toxicology and Pharmacology* 81 (2016): 457-467.
- Tabana, Y. M., **Al-Suede, F. S. R.**, Ahamed, M. B. K., Dahham, S. S., Hassan, L. E. A., Khalilpour, S., ... & Majid, A. M. S. A. (2016). Cat's whiskers (*Orthosiphon stamineus*) tea modulates arthritis pathogenesis via the angiogenesis and inflammatory cascade. *BMC Complementary and Alternative Medicine*, 16(1), 480.

- Saghir, S. A., Sadikun, A., **Al-Suede, F. S.**, Abdul, M. A., & Murugaiyah, V. Antihyperlipidemic, antioxidant and cytotoxic activities of methanolic and aqueous extracts of different parts of star fruit. *Current pharmaceutical biotechnology*.2016, 17(10):915-925.
- Memon, A. H., Ismail, Z., **Fouad Saleih R. AL-Suede.**, Aisha, A. F., Hamil, M. S. R., Saeed, M. A. A., & Majid, A. M. S. A. (2015). Isolation, Characterization, Crystal Structure Elucidation of Two Flavanones and Simultaneous RP-HPLC Determination of Five Major Compounds from *Syzygium campanulatum* Korth. *Molecules*, 20(8), 14212-14233.
- Hayder B. Sahib, Adeeb A. Al-Zubaidy, Shallal M. Hussein, Saad Sabbar Dahham, **Fouad Saleih Al-Suede**, Amin Malik Shah. The Anti-proliferative Activity of *Vitex agnus-castus* Leaves Methanol Extract against Breast and Prostate Cancer Cell Line, *American Journal of Phytomedicine and Clinical Therapeutics*, 2015,3, pp.159-166.
- Loiy Elsir Ahmed Hassan, Hasnah Mohd Sirat, Saad S. Dahham, **Fouad Saleih R. Al-Suede**, Yasser Tabana, Amin Malik Shah Abdul Majid, Aman Shah Abdul Majid. Phytochemical and Toxicity Studies of *Citrullus lanatus* var. *citroides* (Wild melon) on Brine Shrimps (lethality test), *Australian Journal of Basic and Applied Sciences*, 2015, Pages: 60-65.
- Abdul Hakeem Memon, Zhari Ismail, Abdalrahim F. A. Aisha, **Fouad Saleih R. Al-Suede**, Mohammad ShahrulRidzuanHamil, SuzanaHashim, Mohammed Ali Ahmed Saeed, Madeeha Laghari, and Amin Malik Shah Abdul Majid"Isolation, Characterization, Crystal Structure Elucidation, and Anticancer Study of Dimethyl cardamonin, Isolated from *Syzygiumcampanulatum*Korth" *Evidence-Based Complementary and Alternative Medicine*, vol. 2014, 2014.
- **Fouad Saleih R. Al-Suede**, Mohamed B. Khadeer Ahamed, Aman S. Abdul Majid, et al., "Optimization of Cat's Whiskers Tea (*Orthosiphon stamineus*) Using Supercritical Carbon Dioxide and Selective Chemotherapeutic Potential against Prostate Cancer Cells," *Evidence-Based Complementary and Alternative Medicine*, vol. 2014, Article ID 396016, 15 pages, 2014. doi:10.1155/2014/396016.
- Jafari, S.F., Ahamed, K., Mohamed, B., Iqbal, M.A., **Al-Suede, F.S.R.**, Khalid, S.H., Haque, R.A., Nassar, Z.D., Umar, M.I., Majid, A. and Shah, A.M., 2014. Increased aqueous solubility and proapoptotic activity of potassium koetjapate against human colorectal cancer cells. *Journal of Pharmacy and Pharmacology*, 66(10), pp.1394-1409.
- Umar, M.I., Asmawi, M.Z., Sadikun, A., Majid, A.M.S.A., **Al-Suede, F.S.R.**, Hassan, L.E.A., Altaf, R. and Ahamed, M.B.K., 2014. Ethyl-p-methoxycinnamate isolated from *kaempferia galanga* inhibits inflammation by suppressing interleukin-1, tumor necrosis factor- α , and angiogenesis by blocking endothelial functions. *Clinics*, 69(2), pp.134-144.

- Saad Sabbar Dahham, Amin Malik Shah Abdul Majid , Sultan Mohamad Saghir & **Fouad Saleih R. Al-Suede** 2014. Antibacterial, Antifungal and Antioxidant Activities of *Aquilaria crassna*. *International Journal of Advances in Science and Technology*, 2348-5426.
- Dahham, S.S., Ahamed, M.B.K., Saghir, S.M., Al-Suede, F.S., Iqbal, M.A. and Majid, A.M.S.A., 2014. Bioactive essential oils from *Aquilaria crassna* for cancer prevention and treatment. *Global Journal on Advances Pure and Applied Sciences*, 4.
- Rosenani A. Haque, Muhammad Adnan Iqbal, AMS Abdul Majid, Mohamed B. KhadeerAhamed, Muhammad IhtishamUmer, Sawsan S. Al-Rawi, **Fouad Saleih R. Al-Suede**. Synthesis, structure, anticancer, and antioxidant activity of para-xylol linked bis-benzimidazolium salts and respective dinuclear Ag(I) N-heterocyclic carbene complexes (Part-II). *Medicinal Chemistry Research*, 2013, Volume 22, Issue 10, pp 4663–4676.
- Hussein M. Baharetha, Zeyad D. Nassar , Abderaheem F. Aisha, Mohamed B. KhadeerAhamed, **Fouad Saleih R. Al-Suede**, A.K. Mohd Omar, Zhari Ismail, A. M. S. Abdul Majid. Proapoptotic and antimetastatic properties of Supercritical CO₂ Extract of *Nigella sativa* Linn. Against Breast Cancer Cells. *Journal of medicinal food*, 2013, 16.12: 1121-1130.
- **Fouad Saleih R. Al-Suede** , Mohammed B. Khadeer Ahamed , Zhari Ismail , Amin Malik Shah Abdul Majid. Anti-angiogenic and anti-metastatic activities of cat's whiskers tea (*Orthosiphon stamineus*) extract against colon cancer cell line, *Cancer Research*,2013.
- **Fouad Saleih R. Al-Suede**, Mohammed Khadeer Ahamed, Mohd. Omar B. Abd. Kadir , Zhari Ismail , Amin Malik Shah Abdul Majid" *In vivo* study of anti-tumor activity of the standardized 50% ethanolic extract of *O. stamineus* against colorectal carcinoma induced orthotopically in nude mice. Conference on the use of animals in science 'ethical & practical consideration' 14-15 september 2011.
- **Fouad Saleih R. Al-Suede**, Zeyad d. Nassar, Abdalrahim A.F. Aisha, Amin Malik shah Abdul Majid. Koetjapic acid, a natural triterpenoid, down-regulates mapk signaling pathways in colorectal carcinoma cell line. 4th regional conference on molecular medicine, g hotel, penang, 9 – 11 October 2011.
- **Fouad Saleih R. Al-Suede**, Hussein M. Baharetha , Omar S.A. Al-Salahi, Mohd. Omar B. Abd.kadir , Zhari ismail , Amin Malik Shah Abdul Majid, antiproliferative and antioxidant activities of supercritical fluid extracts from *orthosiphon stamineus*. 4th regional conference on molecular medicine, g hotel, penang, 9 – 11 october 2011.
- **Fouad Saleih R Al-Suede**, Mohammed B. Khadeer Ahamed , Zhari Ismail , Amin Malik Shah Abdul Majid "long-term study on survival of nude mice with colorectal cancer treated with standardized extract of *orthosiphon stamineus*.

26th scientific meeting of malaysian society of pharmacology & physiology' 18th-20th may 2012.

- Seyedeh Fatemehjafari, Amin Malik Shah Abdul Majid, **Fouad Saleih Al-Suede**, B. khadeer Ahamed. Cytotoxicity properties of the thymus vulgaris on human colorectal cancer cell line. 26th scientific meeting of malaysian society of pharmacology & physiology' 18th-20th may 2012.
- Ahmad h. Ibrahim, khairulannuar zit, Sawsan S. Al-Rawi , **Fouad Saleih R. Al-Suede**, Mohamed b. khadeer Ahamed, Amin Malik Shah Abdul Majid. In vivo oral toxicological studies of nufera® virgin coconut oil. Conference on the use of animals in science 'ethical & practical consideration' 14-15 september 2011.
- Loiy Elsir Ahmed Hassan, Hasnah Mohd Sirat, Aman Shah Abdul Majid, **Fouad Saleih R. Al-Suede**, Amin Malik Shah Abdul Majid. phytochemical and cytotoxicity studies of citrullus lanatus var. Citroides (wild melon).International conference on natural products, UTM.
- Kameh Esmaili, **Fouad Saleih R. Al-Suede**, Aisha Abdalrahim , Armaghan Shafaei, Zhari Ismail. Preliminary Phytochemical Analysis and Cytotoxicity Studies of Clinacanthus Nutans (Sabah Snake Grass), The Open Conference Proceedings Journal, 2013.

PROFESSIONAL EXPERIENCE

Projects currently handling:

1. Chemoprevention properties of Orthosiphon stamineus in Cervical Cancer.
2. In vitro and in vivo studies on the complementary effects of standardized ethanolic Orthosiphon stamineus extract on drug resistant pancreatic cancer.
3. Development of phytophospholipids-complex delivery system to enhance the bioavailability and therapeutic efficacy of standardized extract of Orthosiphon stamineus as a chemopreventive agent in colorectal tumor xenograft model.
4. Investigation of early genetic modulations in anti-cancer efficacy of isolated bioactive compound Rosmarinic acid from the standardized extract of *Orthosiphon stamineus* against xenograft tumor model and comparison of the activity with the whole extract.
5. Standardization, formulation development, stability tests, pharmacokinetics and toxicological studies of 50% ethanol extract of *Orthosiphon stamineus*
6. Study of molecular pathways mediating the anti-cancer efficacy of koetjapic acid isolated from *Sandoricum koetjape* against human colon cancer xenograft in

immunocompromised mice.

7. Phase-II and III clinical trials to study the effect of CANSSUFIVE® (*Orthosiphon Stamineus*. Benth) herbal extract in colorectal and breast cancer patients.
8. Phase-II and III clinical trials to study the anti-asthenia effect of CANSSUFIVE®.
9. Investigations on anti-angiogenic properties of Koetjapic acid isolated from *Sandoricum koetjape*.

Responsibilities:

Apart from the main projects mentioned above, the followings are the duties currently performing,

- To manage animal cell culture and genetically modified research animals facilities.
- To Coordinating the Master's and Ph.D. students Research Projects.
- Serving as Chief Scientific Officer in "EMAN Biodiscoveries Sdn Bhd".
- To write the project proposals for National and International Research Grants.
- To publish the research work in international peered reviewed journals.

TEACHING AND TRAINING EXPERIENCE

- Chief Scientific Officer at Eman Biodiscoveries Sdn Bhd from July 2016- present.
- Teaching assistant at School of pharmaceutical Sciences, University Sains Malaysia, Penang from 2011-2014 (3 years).
- A head of laboratory department in Alammanah Hospital, Yemen, Sana'a.
- A head of laboratory department in Almanar Hospital, Yemen, Sana'a.
- Lecturer for hematology and blood banking in Central laboratory, Yemen, Sana'a.
- I had worked in department Medical laboratory at Public Hospital, Yemen, Sana'a.

- Cell culture of normal and cancer cell lines such as colon, breast, lung, cervical and prostate cancer.
- In vitro and in vivo angiogenesis studies of medicinal plants.
- Molecular mechanisms of angiogenesis.
- In vitro and in vivo anti-tumor studies of medicinal plants.
- Cancer chemoprevention.
- Anti-oxidant and anti-inflammatory test.
- Polymerase chain reaction (PCR).
- Implantation of variants of cancer in Nude mice.
- Wound healing study.
- Fluorescence Molecular Tomography (FMT) Imaging

PROFESSIONAL TRAINING, COURSES, SEMINARS AND WORKSHOPS

- 1st USM International Diabetes Awareness, School of Pharmaceutical Sciences, University Sains Malaysia, Penang, Malaysia, 30th September 2014.
- Powerlab System Workshop for Teaching & Research, School of Pharmaceutical Sciences, University Sains Malaysia, Penang, Malaysia, 2nd & 3rd September 2014.
- Understanding the field Emission scanning electron microscope, STEM & EDS, Ipharm, Malaysia, 2nd April 2014.
- Statistical and data analysis workshop, School of Pharmaceutical Sciences, University Sains Malaysia, Penang, Malaysia. 4th January 2014.
- Procarta immunoassay reagent system Luminex assay,i-DNA biotechnology , Kuala Lumpur, Malaysia , 21st February,2013.
- Current good manufacturing practice (cGMP) good laboratory practice (GLP), School of Pharmaceutical Sciences, University Sains Malaysia, Penang, Malaysia. 6-8th , February 2013.

- Contributed as a facilitator in the workshop on the use of animal in science (ETHICAL AND PRACTICAL CONSIDERATIONS), School of Pharmaceutical Sciences, University Sains Malaysia, Penang, Malaysia, 14th -15th September 2011.
- Attended three workshops how statistic and scientific writing, and scientific esentation that they were held in IPS, University Science Malaysia 2009.
- Attended 3rd AMDI Postgraduate Scientific Seminar that it was held at IPPT, University Science Malaysia 2009.
- Attended the course on Introduction to GLP, ISO, IEC 17025 and ISO 15189 that it was held at Research Center, Advanced Medical and Dental Institute, University Science Malaysia 2009.

AWARDS AND SCHOLARSHIP			
Title	Provider	Duration	Location
Malaysian Patent No. PI 2017704167	Malaysia	(November 2017).	Malaysia
Gold Medal, XPRESSHEAL DRINK,	NiCERs	2018	Malaysia
Gold Medal, CANSSUFIVE® DRINK, STANDARDIZED EXTRACT OF MISAI KUCING, FOR CANCER PREVENTION ,	BioMalaysia.	2011	Malaysia
PhD Scholarship in pharmacology	Ministry Of Higher Education (Yemen)	Four years	Malaysia
Master Scholarship in Medical research	Ministry Of Higher Education (Yemen)	Four years	Malaysia

REFERENCES	
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Dr. Oon Chern Ein Senior Lecturer, Institute for Research in Molecular Medicine (INFORMM), Universiti Sains Malaysia. Tel.:+60184628220 Email: chern.oon@usm.my	