

## Curriculum Vitae

**Name:** Riham Salah El Dine El Sayed

**Title:** Associate professor Dr,

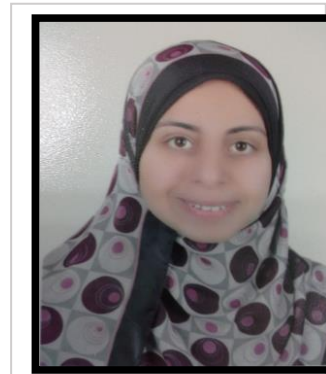
**Department:** Department of Pharmacognosy, Faculty of Pharmacy, Cairo university.

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## Education

### • Academic Degrees

**Oct 2005- Oct 2008:** PhD student in the University of Toyama, Toyama, Japan.

*Degree:* PhD (major: phytochemistry, sept 2008)

*Title:* Dimerization and active site inhibitory substances From the Vietnamese mushroom *Ganoderma colossus*.

**May 1999-Dec 2003:** Master student in the faculty of Pharmacy, Cairo University, Cairo, Egypt.

*Degree:* Master (Pharmacognosy)

*Title:* A Pharmacognostical study of *Pyrus calleryana*, Family Rosaceae growing in Egypt.

**Nov1998-May 1999:** special courses in pharmacognosy.

**Sept 1993-May 1998:** Undergraduate student, faculty of Pharmacy, Cairo University, Cairo, Egypt

*Degree:* B.Sc (Pharmaceutical sciences, May 1998)

*Grade:* Excellent with honors.

### • Research interest

I- Phytochemical techniques:

- 1- Isolation and identification of natural products
- 2- Application of different chromatographic techniques. (TLC, CC, HPLC and LC/MS).
- 3- Structure elucidation techniques using 1D and 2D NMR techniques and structure elucidation of

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natural compounds.

4- Macroscopical and microscopical examination of medicinal plants.

II- Biological techniques:

1- In vitro assay techniques ( HIV and HCV techniques).

2- Virtual docking screen using docking softwares.

## Teaching

	Course Title
<b>Undergraduate Courses (General Program)</b>	<b>Pharmacognosy-II- (203).</b>
	<b>Pharmacognosy-III- (204)</b>
	<b>Botany and medicinal plants (201)</b>
	<b>Phytotherapy (207)</b>
<b>Undergraduate Courses (Clinical Program)</b>	<b>Pharmacognosy-2 PG- 303</b>
<b>Postgraduate Courses</b>	<b>Advanced phytochemistry</b>

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### Career History and Professional Experience

#### Titles

**December 2014-till now:** Associate professor in the department of pharmacognosy, Faculty of Pharmacy, Cairo University.

**December 2009-2014:** Lecturer in the department of pharmacognosy, Faculty of Pharmacy, Cairo University.

**April 2009-November 2009:** Post doctoral fellow, Institute of Natural Medicine, University of Toyama, Toyama, Japan.

**Jan 2009-March 2009 :** Lecturer in the department of pharmacognosy, Faculty of Pharmacy, Cairo University.

**March 2004-July 2004:** Assisstant lecturer, Dept. Pharmacognosy, Faculty of pharmacy, Cairo University.

**Nov 1998-March 2004:** Demonstrator, Dept. Pharmacognosy, faculty of Pharmacy, Cairo University.

#### Memberships

- 1- A member in the Japanese Society of Pharmacognosy in the period from 2006 till 2008.
- 2- A member and a project reviewer for the Middle East projects in the AUF (Agence Universitaire de la Francophonie) from February 2012 till now.
- 3- A member in the committee of Natural Product Research for Eastern and Central Africa (NAPRECA).

#### Awards

- 1- The best PhD thesis in cairo university at 2008/2009
- 2- Publication awards of cairo university at 2011-2012-2013
- 3- The best research on the level of the pharmacognosy department at 2012

#### Projects

- 1- Valorisation de résidus alimentaires dans le développement de Nutraceutiques à potentiel anticancéreux et/ou modulateur redox (Projets de cooperation scientifiques interuniversitaire )PCSI. (funded by AUF)(2012-2014)
- 2- Qualitative and Quantitative Analyses of Aconite Alkaloids in *Aconitum carmichaeli* Roots by HPLC/ESI/MS<sup>n</sup> and Study of the Variation of Alkaloid Profilings due to Different Processing Methods (funded by MEXT Knowledge Cluster Initiative Toyama, Japan, (2009/2010).
- 3- Bactericidal compounds from plants source against the bacterial pathogen *Ralstonia solanacearum*. (Funded by Alexander von Humboldt foundation (2010-2012).
- 4- Protective effect of *Aframomum melegueta* phenolics against CCl<sub>4</sub>-induced damage on the rat hepatocytes; Possible role of the inhibition of apoptosis and pro-inflammatory cytokines.

### Publications and Presentations

- 1- **Riham Salah EL Dine**, Ali Mahmoud EL HALAWANY, Norio NAKAMURA, Chao-Mei MA, and Masao HATTORI New lanostane triterpene lactone from the Vietnamese mushroom *Ganoderma colossum* (Fr) C.F. Baker, *Chem. Pharm. Bull* 56 (5) 642-646 (2008).
- 2- **Riham Salah El Dine**, Ali M. El Halawany, Chao-Mei Ma, and Masao Hattori, Anti- HIV-1 protease of lanostane triterpenes from the Vietnamese mushroom *Ganoderma colossum*, *J. Nat.Prod.* 71, 1022–1026 (2008).
- 3- Ismail NS, **El Dine RS**, Hattori M, Takahashi K, Ihara M. Computer based design, synthesis and biological evaluation of novel indole derivatives as HCV NS3-4A serine protease inhibitors, *Bioorg. Med. Chem.* 16, 7877-7887 (2008).
- 4- **Riham Salah El Dine**, Ali M. El Halawany, Chao-Mei Ma, and Masao Hattori, Inhibition of the dimerization and active site of HIV-1 protease by secondary metabolites from the Vietnamese mushroom *Ganoderma colossum*. *J. Nat. Prod.* 72, 2019-2023 (2009).
- 5- **Riham Salah El Dine**, Azza R. Abdel Monem, Ali M. El-Halawany, Masao Hattori and Essam Abdel-Sattar. HCV-NS3/4A Protease Inhibitory Iridoid Glucosides and Dimeric Foliamenthoic Acid Derivatives from *Anarrhinum orientale* *J. Nat. Prod.* 74, 943-948 (2011).
- 6- El-Halawany AM, **El Dine RS**, Chung MH, Nishihara T, Hattori M. Screening for estrogenic and antiestrogenic activities of plants growing in Egypt and Thailand. *Pharmacognosy Research*, 3, 107-113 (2011).
- 7- Christopher Kitalong, Ali M. El-Halawany, **Riham salah El-Dine**, Chao-mei Ma and Masao Hattori. Phenolics from *Phaleria nisidai* with Estrogenic Activity *Rec. Nat. Prod.* 6:3, 296-300(2012)
- 8- Hossam M. Abdallah, Shahira M. Ezzat, **Riham Salah El-Dine**, Essam A. Abdel-Sattar and Ashraf Abdel-Naim. Protective effect of *Echinops galalensis* against CCl<sub>4</sub>-induced injury on the human hepatoma cell line (Huh7). *Phytochemistry letters*, 6, 73-78, 2013.
- 9- Ali M. El Halawany, **Riham Salah El Dine**, Masao Hattori Antiestrogenic activity of mansonone G and mansorin A derivatives. *Pharmaceutical biology* 51(8):948-54(2013).
- 10- Maha M. Salama, Shahira M. Ezzat, **Riham Salah El Dine**, Aly M. El-Sayed, and Amany A. Sleem. New Bioactive Metabolites from a Crown Gall Induced on an *Eucalyptus tereticornis* Sm. Tree Z. *Naturforsch.* 68 c, 461 – 470 (2013)
- 11- **Riham Salah El Dine**, Qiong Ma, Zeinab A. Kandil and Ali M. El-Halawany. Triterpenes as uncompetitive inhibitors of  $\alpha$ -glucosidase from flowers of *Punica granatum*. L. *Natural product research*; 28(23):2191-4, 2014.
- 12- Ali M. El Halawany, **Riham Salah El Dine**, Nesrine S. El Sayed, Masao Hattori Protective effect of *Aframomum melegueta* phenolics against CCl<sub>4</sub>-Induced damage on the rat hepatocytes; Possible role of the inhibition of apoptosis and pro-inflammatory cytokines. *SCIENTIFIC REPORTS* ,4 : 5880 | DOI: 10.1038/srep05880
- 13- Headspace Analysis of Volatile Compounds Coupled to Chemometrics in Leaves from the Magnoliaceae Family. *Rec. Nat. Prod.*
- 14- Marwa Y. Issa, Soheir M. El Zalabani, Hesham I. El-Askary, **Riham Salah El-Dine**, Miriam F. Yousif; Microscopical, physicochemical and nutritional characterization of three herbal hepatoprotectives. *World journal of pharmacy and pharmaceutical sciences*, 3(5) 1430-1446 (2014).
- 15- Mohamed A. Farag, Dalia A. Al-Mahdy, **Riham Salah El Dine**, Sherifa Fahmy, Aymen Yassin, Andrea Porzel, and Wolfgang Brandt. Structure-activity relationships of antimicrobial gallic acid derivatives from pomegranate and acacia fruit extracts against potato bacterial wilt pathogen. *Chemistry and biodiversity*. 12 (6), 955-962 (2015).

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## Review articles

- 1- Masao Hattori, Chao-Mei Ma, Ying Wei, **Riham Salah El Dine**, Naoto Sato . Survey of Anti-HIV and Anti-HCV Compounds from Natural Sources, **Canadian Chemical Transactions**, 1(2) 32-56 (2013).
- 2- Natural Anti-obesity Agents; Bulletin of Faculty of Pharmacy, Cairo University. *Bulletin of Faculty of Pharmacy, Cairo University*.
- 3- Hossam M. Abdallah, Ahmed M. Al-Abd, **Riham Salah El-Dine**, Ali M. El-Halawany. P-glycoprotein inhibitors of natural origin as potential tumor chemo -sensitizers: A review. *Journal of Advanced Research*, 6, , 45–62 (2015).

## Conferences:

- 1- 53<sup>th</sup> annual meeting of the Pharmacognosy society of Japan, Saitama, Japan (2006).
- 2- 54<sup>th</sup> annual meeting of the Pharmacognosy society of Japan, Nagoya, Japan (2007).
- 3- The 56<sup>th</sup> Annual Meeting of the Japanese Society of Pharmacognosy (Kyoto, 2009).
- 4- The 130<sup>th</sup> Annual Meeting of the Pharmaceutical Society of Japan (Okayama 2010).
- 5- 3<sup>rd</sup> international scientific Conference of Faculty of pharmacy Cairo university.(Cairo 2012).
- 6- The Alexander von Humboldt Foundation conference (GUC), entitled "Pharmaceutical and Biotechnological Therapies" (2012).