

Curriculum Vitae

July 2019



IDENTITY

Name: SEBAI

First name: Hichem

Nationality : Tunisian

Marital status : married and father of three children

Personal adress : *City Mongi Slim-El-Alia 7016, Bizerte - Tunisia.*

Professional adress : Department of Animal Biotechnology
Higher Institute of Biotechnology of Beja
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ACADEMIC DIPLOMAS

- **Baccalaureate Mathematics Section**
Since 1998 from Djerissa high school
- **Undergraduate degree in life sciences geology**
Since June 2000 from Faculty of Sciences of Bizerte
- **License in life sciences and geology**
Since June 2002 from Faculty of Sciences of Bizerte
- **Master in environmental sciences**
Since October 2004, very good mention, from Faculty of sciences of Bizerte.
Title « Garlic effects on liquid compartments and certain plasmatic and hematological parameters in rats »
- **PhD in biological sciences**
July 29, 2009, very honorable with jury congratulations from Faculty of Sciences of Bizerte.
Title : « Protective role of resveratrol against toxicity and lethality induced by bacterial lipopolysaccharide in rodents. Study of mechanism of action on a model of pancreatic cells in culture »
- **HDR (Second PhD) in biological sciences,**
June 24, 2014, very honorable with jury congratulations from Faculty of Sciences of Bizerte.
Title : « Ethnobotanical survey phytochemical analysis of some medicinal plants traditionally used in the treatment of gastrointestinal diseases: Physiological and biochemical studies »

UNIVERSITY FUNCTIONS

- 2007-2010: Assistant in the high institute of biotechnology of Beja
- 2010-2015: Assistant professor in the high institute of biotechnology of Beja
- Since January 2015: Associate professor in the high institute of biotechnology of Beja

ADMINISTRATIVE RESPONSIBILITIES

- 2008-2011: Coordinator of practical work in the Department of Animal Biotechnology in the high institute of biotechnology of Beja
- Since 2011: Member of the Scientific Council in the high institute of biotechnology of Beja
- Since 2012: Coordinator of the Master "Technology Applied to Dairy and Meat " in the high institute of biotechnology of Beja
- 2014-2017: Head of the department of animal biotechnology in the high institute of biotechnology of Beja
- Since September 2017: Coordinator of the Master "Functional Agro-Resources" in the high institute of biotechnology of Beja
- Since December 2017: Director of the Higher Institute of Biotechnology of Béja and President of the scientific council.

ASSOCIATIVE ACTIVITIES

- Founding member and treasurer of the Tunisian Association of Biotechnology and Valorization of Biological Resource
- Member of the scientific and organizing committees of the international congress of biotechnology and bioresources valorization for six consecutive editions (2013, 2014, 2015, 2016, 2017 and 2018)
- Member of the organizing committee of the Tunisian MIT-educators Network workshop "Curriculum Design and Entrepreneurship tools in Biological sciences, Biotechnology and Agronomy - 7-8-9 April 2018, Sousse – Tunisia

AWARDS

- Prize of The World Academy of Sciences (TWAS) for 2018

EXPERTISE, EVALUATION & PARTICIPATION IN NATIONAL COMMITTEES

- Since June 2013: Member of the National Committee of Exam Correction for the engineering training cycles
- Since August 2015: Member of the Recruitment Committee for Contractual Assistants in Biological Sciences at the University of Jendouba
- August 2017: President of the Recruitment Committee for Contractual Assistants in Biological Sciences at the University of Jendouba
- Since June 2017: Evaluator at the National Instance of Evaluation, Quality Assurance and Accreditation (IEAQA, Tunisia)
- Since April 2018 : member of the national sectoral commission in biological sciences

TEACHING ACTIVITIES

- Animal Physiology (TP)
- Physiology of Lactation (Courses / TD / TP)
- Bio-Technology of Animal Reproduction (Courses / TD / TP)
- Animal Ecophysiology (Courses / TD / TP)
- Nutrition (Courses / TD / TP)
- Sports nutrition (Courses / TD / TP)
- Nutritional Impact of Dairy and Meat Products (Courses / TD / TP)
- Methodology of research and documentation

SUPERVISIONS

- Graduation Projects: 20
- Master of Research: 04
- Professional Master: 17
- PhD Thesis in Biological Sciences: 01 supported and 06 in progress
- Thesis in Didactics sciences: 01 in progress

TRAINING COURSES

- Six-month internship in the laboratory of Glycobiology and Cellular Malfunctions (Marseille, France), led by Dr. Dominique LOMBARDO; Research Director and Director of UMR-911 at the University Aix Marseille II.
- Training course from February 21 to 23, 2013 as part of the TEMPUS IV project (No. 530312-TEMPUS-1-2012-1-FR-TEMPUS-JPHES)
- Training scientific high-level 01-15 June 2013 in the research unit INSERM U773 (Faculty of Medicine X. Bichat, 16 rue Henri Huchard, 75018 Paris) led by Dr Jamel El BENNA, Research Director at the CNRS "PHAGOCYTES, and NOXS IGNITION
- Training scientific high level 01-15 December 2015 in the research unit INSERM U773 (Faculty of Medicine X. Bichat, 16 rue Henri Huchard, 75018 Paris) led by Dr Jamel El BENNA, Research Director at the CNRS "PHAGOCYTES, and NOXS IGNITION".
- Training scientific high level 04-17 April 2016 in the research unit INSERM U773 (Faculty of Medicine X. Bichat, 16 rue Henri Huchard, 75018 Paris) led by Dr Jamel El BENNA, Research Director at the CNRS "PHAGOCYTES, and NOXS IGNITION".

MEMBER SHIPS

- ❖ Member in the **Association Tunisian association of Biologic Sciences (TABS)** since 2004.
- ❖ Member in the **French Society of Physiology (FSP)** since 2005.
- ❖ Member in the **Tunisian Association of Biotchnology (TAB)** since 2006.
- ❖ Member in the **Tunisian Association of Chronobiology and Chronopharmacology (TACC)** since 2006.
- ❖ Member in the **Tunisian Society of Natural Science (TSNS)** since 2010
- ❖ Member in the **Tunisian Association of Physiology and Environment Biomonitoring (TAPEB)** since 2013
- ❖ Member in the **Tunisian Association for Study and Research on Atherosclerosis (TASRA)** since 2013
- ❖ Member in the **Turkish Society of Toxicology (TST)** since 2015
- ❖ Founding member and treasurer of the **Tunisian Association of Biotechnology and Valorization of biological resource**

SCOPUS INFORMATION

h-index = 15

https://www.scopus.com/cto2/main.uri?ctold=CTODS_1041091495&authors=15127748800&origin=AuthorNamesList

RESEARCHGATE INFORMATION

https://www.researchgate.net/profile/hichem_sebai

RG Score 33.87

Publications 75

Reads 13958

Citations 893

Languages Arabic, French, English

SCIENTIFIC PRODUCTIONS

INTERNATIONAL PUBLICATIONS

Book Chapters

Mohamed-Amine Jabri, **Hichem Sebai**: *The Role of Increased Gastric Acid Secretion and Reactive Oxygen Species in the Pathophysiology of Reflux Esophagitis. Gastroesophageal Reflux Disease - Theory and Research*, 04/2019; , ISBN: 978-1-78984-480-1, DOI:10.5772/intechopen.81021

Kaïs Rtibi, **Hichem Sebai**, Lamjed Marzouki: *Role of Oxidative/Nitrosative Stress in Diarrhea and Constipation. Novel Prospects in Oxidative and Nitrosative Stress*, 05/2018; , ISBN: 978-1-78923-086-4, DOI:10.5772/intechopen.74788

Journal Publications

Hichem Sebai, Kais Rtibi, Slimen Selmi, Mourad Jridi, Rafik Balti, Lamjed Marzouki: *Modulating and opposite actions of two aqueous extracts prepared from Cinnamomum cassia L. bark and Quercus ilex L. on the gastrointestinal tract in rats.*

Saber Jedidi, Kais Rtibi, Slimen Selmi, Foued Aloui, Houcine Selmi, Dalanda Wannes, Houcem Sammari, Nourhène Dhawefi, Abbes Chaâbane, **Hichem Sebai**: *Phytochemical/Antioxidant Properties and Individual/Synergistic Actions of Salvia officinalis L. Aqueous Extract and Loperamide on Gastrointestinal Altering Motor Function.* Journal of Medicinal Food 07/2019;, DOI:10.1089/jmf.2019.0051

Kais Rtibi, Slimen Selmi, Mourad Jridi, Lamjed Marzouki, **Hichem Sebai**: *The potential of Thymus vulgaris aqueous extract to protect against delayed gastric emptying and colonic constipation in rats.* RSC Advances 07/2019; 9(36):20593–20602., DOI:10.1039/c9ra02042j

Saber Jedidi, Foued Aloui, Houcine Selmi, Kais Rtibi, Sana Dallali, Abbes Chaâbane, **Hichem Sebai**: *Ethnobotanical survey on the traditional use of officinal sage (Salvia officinalis L.) in Tabarka and Aïn Draham (Northwestern of Tunisia)* Journal of new sciences. 04/2019 (18), 3402-3412

Mourad Jridi, Soumaya Boughriba, Ola Abdelhedi, Hend Nciri, Rim Nasri, Hela Kchaou, Murat Kaya, **Hichem Sebai**, Nacim Zouari, Moncef Nasri: *Investigation of physicochemical and antioxidant properties of gelatin edible film mixed with blood orange (Citrus sinensis) peel extract.* Food Packaging and Shelf Life 06/2019; 21(100342)., DOI:10.1016/j.fpsl.2019.100342

Anouar Abidi, Nadhem Aissani, Souhail Menjli, **Hichem Sebai**: *Baker's yeast separation effluent effect on pea (Pisum sativum) germination and growth.* Global Advanced Research Journal of Agricultural Science 05/2019; 8(5):196-202.

Sana M'hir, Kais Rtibi, Lamia Ayed, Moktar Hamdi, Lamjed Marzouki, **Hichem Sebai**: *évaluation de l'effet protecteur du lait de chèvre fermenté par le kéfir et enrichi à la caroube contre l'ulcère gastrique induit par l'éthanol chez le rat.* Int. International Journal of Advanced Research 7(4), 1019-1028

Nadhem Aissani, Anouar Abidi, Souhail Menjli, **Hichem Sebai**: *Effect-of-bakers-yeast-separation-effluent-on-barley-hordeum-vulgare-germination-and-growth.* DOI:10.35841/Biochemistry-Biotechnology.1000101

Slimen Selmi, Kais Rtibi, Dhekra Grami, **Hichem Sebai**, Lamjed Marzouki: *Lavandula stoechas essential oils protect against Malathion-induced reproductive disruptions in*

male mice. Lipids in Health and Disease 12/2018; 17(1)., DOI:10.1186/s12944-018-0891-5

- Dhekra Grami, Kaïs Rtibi, Slimen Selmi, Morad Jridi, **Hichem Sebai**, Lamjed Marzouki, Iva Sabovic, Carlo Foresta, Luca De Toni: *Aqueous extract of *Eruca Sativa* protects human spermatozoa from mitochondrial failure due to bisphenol A exposure*. Reproductive Toxicology 10/2018; 82., DOI:10.1016/j.reprotox.2018.10.008
- Mohamed-Amine Jabri, Lamjed Marzouki, **Hichem Sebai**: *Myrtle berries seeds aqueous extract abrogates chronic alcohol consumption-induced erythrocytes osmotic stability disturbance, haematological and biochemical toxicity*. Lipids in Health and Disease 12/2018; 17(1)., DOI:10.1186/s12944-018-0746-0
- Kaïs Rtibi, Dhekra Grami, Dalanda Wannas, Slimen Selmi, Mohamed Amri, **Hichem Sebai**, Lamjed Marzouki: *Ficus carica aqueous extract alleviates delayed gastric emptying and recovers ulcerative colitis-enhanced acute functional gastrointestinal disorders in rats*. Journal of Ethnopharmacology 06/2018;, DOI:10.1016/j.jep.2018.06.001
- Kais Rtibi, Slimen Selmi, Dhekra Grami, Mohamed Amri, **Hichem Sebai**, Lamjed Marzouki: *Opposite Effect of *Opuntia ficus-indica* L. Juice Depending on Fruit Maturity Stage on Gastrointestinal Physiological Parameters in Rat*. Journal of Medicinal Food 02/2018;, DOI:10.1089/jmf.2017.0121
- Mohamed-Amine Jabri, Lamjed Marzouki, **Hichem Sebai**: *Ethnobotanical, phytochemical and therapeutic effects of *Myrtus communis* L. berries seeds on gastrointestinal tract diseases: a review*. Archives of Physiology and Biochemistry 01/2018;, DOI:10.1080/13813455.2017.1423504
- Mohamed-Amine Jabri, Haifa Tounsi, Afifa Abdellaoui, Lamjed Marzouki, **Hichem Sebai**: *Protective effects of *Artemisia campestris* extract against gastric acid reflux-induced esophageal mucosa injuries*. Pathophysiology 01/2018; 25(1)., DOI:10.1016/j.pathophys.2018.01.001
- Slimen Selmi, Kais Rtibi, Dhekra Grami, **Hichem sebai**, Lamjed Marzouki: *Malathion, an organophosphate insecticide, provokes metabolic, histopathologic and molecular disorders in liver and kidney in prepubertal male mice*. Toxicology Reports 01/2018; 5., DOI:10.1016/j.toxrep.2017.12.021
- Mohamed-Amine Jabri, Najla Hajji, Dalanda Wannas, Haifa Tounsi, Mourad Jridi, Afifa Abdellaoui, Moncef Nasri, Lamjed Marzouki, **Hichem Sebai**: *HPLC/PDA/ESI-MS/MS analysis of chamomile decoction and mechanism of its protective effects on aspirin-induced small bowel injuries*. RSC Advances 11/2017; 7(84):53472-53480., DOI:10.1039/C7RA07339A
- Kaïs Rtibi, Slimen Selmi, Dhekra Grami, Mohamed Amri, **Hichem Sebai**, Lamjed Marzouki: *Contribution of oxidative stress in acute intestinal mucositis induced by 5 fluorouracil (5-FU) and its pro-drug capecitabine in rats*. Toxicology mechanisms and methods 11/2017;, DOI:10.1080/15376516.2017.1402976
- Kaïs Rtibi, Slimen Selmi, Khoulood Saidani, Dhekra Grami, Mohamed Amri, **Hichem Sebai**, Lamjed Marzouki: *Reverse Effect of *Opuntia ficus-indica* L. Juice and Seeds Aqueous Extract on Gastric Emptying and Small-Bowel Motility in Rat*. Journal of Food Science 11/2017;, DOI:10.1111/1750-3841.13990
- Nadhem Aissani, Rafik Balti, **Hichem Sebai**: *Potent nematicidal activity of phenolic derivatives on *Meloidogyne incognita**. Journal of Helminthology 10/2017;, DOI:10.1017/S0022149X17000918
- Slimen Selmi, Kais Rtibi, Dhekra Grami, **Hichem Sebai**, Lamjed Marzouki: *Protective effects of orange (*Citrus sinensis* L.) peel aqueous extract and hesperidin on oxidative stress and peptic ulcer induced by alcohol in rat*. Lipids in Health and Disease 12/2017; 16(1)., DOI:10.1186/s12944-017-0546-y
- Kaïs Rtibi, Imen Hammami, Slimen Selmi, Dhekra Grami, **Hichem Sebai**, Mohamed Amri, Lamjed Marzouki: *Phytochemical properties and pharmacological effects of *Quercus ilex* L. aqueous extract on gastrointestinal physiological parameters in vitro and in vivo*. Biomedicine & pharmacotherapy = Biomedecine & pharmacotherapie 10/2017; 94:787-793., DOI:10.1016/j.biopha.2017.08.008

- Slimen Selmi, Kais Rtibi, Dhekra Grami, **Hichem Sebai**, Lamjed Marzouki: *Rosemary (Rosmarinus Officinalis) Essential oil Components Exhibit Anti-Hyperglycemic, Anti-Hyperlipidemic and Antioxidant Effects in Experimental Diabetes*. Pathophysiology 09/2017; DOI:10.1016/j.pathophys.2017.08.002
- Kaïs Rtibi, Slimen Selmi, Dhekra Grami, Mohamed Amri, Bruno Eto, Jamel El-benna, **Hichem Sebai**, Lamjed Marzouki: *Chemical constituents and pharmacological actions of carob pods and leaves (Ceratonia siliqua L.) on the gastrointestinal tract: A review*. Biomedicine & pharmacotherapy = Biomedecine & pharmacotherapie 09/2017; 93:522-528., DOI:10.1016/j.biopha.2017.06.088
- Kaïs Rtibi, Mohamed Amri, **Hichem Sebai**, Lamjed Marzouki: *Implication of Oxidative Stress in Small Intestine Disorders, Constipation and Diarrhea: A Mini Review*. Recent Advances in Biology and Medicine 08/2017; 03., DOI:10.18639/RABM.2017.03.457021
- Kaïs Rtibi, Slimen Selmi, Dhekra Grami, **Hichem Sebai**, Mohamed Amri, Lamjed Marzouki: *Irinotecan chemotherapy-induced intestinal oxidative stress: Underlying causes of disturbed mucosal water and electrolyte transport*. Pathophysiology 07/2017; DOI:10.1016/j.pathophys.2017.07.002
- Mohamed-Amine Jabri, Kais Rtibi, Haifa Tounsi, Karim Hosni, Lamjed Marzouki, Mohsen Sakly, **Hichem Sebai**: *Fatty acid composition and mechanisms of the protective effects of myrtle berry seed aqueous extract in alcohol-induced peptic ulcer in rat*.
- Kaïs Rtibi, Dhekra Grami, Slimen Selmi, Mohamed Amri, **Hichem Sebai**, Lamjed Marzouki: *Vinblastine, an anticancer drug, causes constipation and oxidative stress as well as others disruptions in intestinal tract in rat*. Toxicology Reports 05/2017; 4., DOI:10.1016/j.toxrep.2017.04.006
- Mohamed-Amine Jabri, Dalanda Wannas, Najla Hajji, Mohsen Sakly, Lamjed Marzouki, **Hichem Sebai**: *Role of laxative and antioxidant properties of Malva sylvestris leaves in constipation treatment*. Biomedicine & pharmacotherapy = Biomedecine & pharmacotherapie 05/2017; 89:29-35., DOI:10.1016/j.biopha.2017.02.020
- Anouar Abidi, Nadhem Aissani, **Hichem Sebai**, Raja Serairi, Nadia Kourda, Saloua Ben Khamsa: *Protective Effect of Pistacia lentiscus Oil Against Bleomycin-Induced Lung Fibrosis and Oxidative Stress in Rat*. Nutrition and Cancer 02/2017; DOI:10.1080/01635581.2017.1283423
- Mohamed-Amine Jabri, Mohsen Sakly, Lamjed Marzouki, **Hichem Sebai**: *Chamomile (Matricaria recutita L.) decoction extract inhibits in vitro intestinal glucose absorption and attenuates high fat diet-induced lipotoxicity and oxidative stress*. Biomedicine & pharmacotherapy = Biomedecine & pharmacotherapie 01/2017; 87., DOI:10.1016/j.biopha.2016.12.043
- Mohamed-Amine Jabri, Nadhem Aissani, Haifa Tounsi, Mohsen Sakly, Lamjed Marzouki, **Hichem Sebai**: *Protective effect of chamomile (Matricaria recutita L.) decoction extract against alcohol-induced injury in rat gastric mucosa*. Pathophysiology 12/2016; DOI:10.1016/j.pathophys.2016.11.001
- Mohamed-Amine Jabri, Mamane Sani, Kais Rtibi, Lamjed Marzouki, Jamel El-Benna, Mohsen Sakly, **Hichem Sebai**: *Chamomile decoction extract inhibits human neutrophils ROS production and attenuates alcohol-induced haematological parameters changes and erythrocytes oxidative stress in rat*. Lipids in Health and Disease 12/2016; 15(1)., DOI:10.1186/s12944-016-0233-4
- Mohamed-Amine Jabri, Kais Rtibi, Haifa Tounsi, Karim Hosni, Lemjed Marzouki, Mohsen Sakly, **Hichem Sebai**: *Fatty acids composition and mechanism of protective effects of myrtle berries seeds aqueous extract against alcohol-induced peptic ulcer in rat*. Canadian Journal of Physiology and Pharmacology 11/2016; DOI:10.1139/cjpp-2016-0094
- Mohamed-Amine Jabri, Kais Rtibi, Mohsen Sakly, Lamjed Marzouki, **Hichem Sebai**: *Role of gastrointestinal motility inhibition and antioxidant properties of myrtle berries (Myrtus communis L.) juice in diarrhea treatment*. Biomedicine & pharmacotherapy = Biomedecine & pharmacotherapie 11/2016; 84., DOI:10.1016/j.biopha.2016.11.008
- Kaïs Rtibi, Slimen Selmi, Dhekra Grami, Khoulood Saidani, **Hichem Sebai**, Mohamed Amri, Bruno Eto, Lamjed Marzouki: *Ceratonia siliqua L. (Immature carob bean) inhibits intestinal glucose absorption, improves glucose tolerance and protects*

- against alloxan-induced diabetes in rat: Effect of ICPAE on glucose absorption, OGTT and diabetes. Journal of the Science of Food and Agriculture 10/2016; DOI:10.1002/jsfa.8091
- Kaïs Rtibi, Slimen Selmi, Mohammed-Amine Jabri, Jamel El-Benna, Mohamed Amri, Lamjed Marzouki, **Hichem Sebai**: Protective Effect of *Ceratonia siliqua* L. Against a Dextran Sulfate Sodium-Induced Alterations in Liver and Kidney in Rat. Journal of medicinal food 09/2016; 19(9)., DOI:10.1089/jmf.2016.0020
- Azhar Hajri, Slimen Selmi, Kaies Rtibi, Mohamed Lamjed Marzouki, **Hichem Sebai**: Protective Effect of *Pelargonium graveolens* Essential Oil Against Alloxan-Induced Diabetes and Oxidative Stress in Rats. 07/2016; 6(4)., DOI:10.1080/22311866.2016.1246201
- Kais Rtibi, Slimen Selmi, Mohamed Amine Jabri, Godfroy Mamadou, Nicolas Limas-Nzouzi, **Hichem Sebai**, Jamel El-Benna, Lamjed Marzouki, Bruno Eto, Mohamed Amri: Effects of aqueous extracts from *Ceratonia siliqua* L. pods on small intestinal motility in rat and jejunal permeability in mice. RSC Advances 05/2016; 6(50)., DOI:10.1039/C6RA03457H
- Kais Rtibi, Mohamed Amine Jabri, Slimen Selmi, **Hichem Sebai**, Jean-Claude Marie, Mohamed Amri, Mohamed Lamjed Marzouki, Jamel El Benna: Preventive effect of carob (*Ceratonia siliqua* L.) in dextran sulfate sodium-induced ulcerative colitis in rat. RSC Advances 02/2016; 6(24)., DOI:10.1039/C5RA21388F
- Mohamed-Amine Jabri, Haifa Tounsi, Kais Rtibi, Lamjed Marzouki, Mohsen Sakly, **Hichem Sebai**: Ameliorative and antioxidant effects of myrtle berry seed (*Myrtus communis*) extract during reflux-induced esophagitis in rats. Pharmaceutical Biology 01/2016; 54(9)., DOI:10.3109/13880209.2015.1107748
- Mamane Sani, **Hichem Sebai**, Roberto Refinetti, Mohan Mondal, Néziha Ghanem-Boughanmi, Naceur A Boughattas, Mossadok Ben-Attia: Effects of sodium nitroprusside on mouse erythrocyte catalase activity and malondialdehyde status. Drug and Chemical Toxicology 01/2016; 39(3)., DOI:10.3109/01480545.2015.1122032
- Slimen Selmi, Kais Rtibi, Dhekra Grami, Azhar Hajri, Karim Hosni, Lamjed Marzouki, **Hichem Sebai**: Antioxidant properties of *Artemisia herba-alba* and *Eucalyptus camaldulensis* essentials oils on malathion-induced reproductive damage in rat. RSC Advances 01/2016; 6(112)., DOI:10.1039/C6RA18268B
- Kais Rtibi, Mohamed Amine Jabri, Slimen Selmi, **Hichem Sebai**, Mohamed Amri, Jamel El-Benna, Mohamed Lamjed Marzouki: *Ceratonia siliqua* leaves exert a strong ROS-scavenging effect in human neutrophils, inhibit myeloperoxidase in vitro and protect against intestinal fluid and electrolytes secretion in rat. RSC Advances 01/2016; 6(70)., DOI:10.1039/C6RA11297H
- Mohamed Amine Jabri, Soumaya Hajaji, Lamjed Marzouki, Jamel El-Benna, Mohsen Sakly, **Hichem Sebai**: Human neutrophils ROS inhibition and protective effects of *Myrtus communis* leaves essential oils against intestinal ischemia/reperfusion injury. RSC Advances 01/2016; 6., DOI:10.1039/C5RA26085J
- Mohamed-Amine Jabri, Kais Rtibi, Amira Ben-Said, Chedia Aouadhi, Karim Hosni, Mohsen Sakly, **Hichem Sebai**: Antidiarrhoeal, antimicrobial and antioxidant effects of myrtle berries (*Myrtus communis* L.) seeds extract. 12/2015; 68(2)., DOI:10.1111/jphp.12505
- Mohamed-Amine Jabri, Kais Rtibi, Amira Ben-Said, Chedia Aouadhi, Karim Hosni, Mohsen Sakly, **Hichem Sebai**: Antidiarrhoeal, antimicrobial and antioxidant effects of myrtle berries (*Myrtus communis* L.) seeds extract. Journal of Pharmacy and Pharmacology 12/2015; 68.
- Kais Rtibi, Mohamed Amine Jabri, Slimen Selmi, Abdelaziz Souli, **Hichem Sebai**, Jamel El-Benna, Mohamed Amri, Mohamed Lamjed Marzouki: Carob pods (*Ceratonia siliqua* L.) inhibit human neutrophils myeloperoxidase and in vitro ROS-scavenging activity. RSC Advances 10/2015; 5(102)., DOI:10.1039/C5RA14719K
- Kaïs Rtibi, Mohamed Amine Jabri, Slimen Selmi, Abdelaziz Souli, **Hichem Sebai**, Jamel El-Benna, Mohamed Amri, Lamjed Marzouki: Gastroprotective effect of carob (*Ceratonia siliqua* L.) against ethanol-induced oxidative stress in rat. BMC

Complementary and Alternative Medicine 08/2015; 15(1)., DOI:10.1186/s12906-015-0819-9

- Mohamed Amine Jabri, Kais Rtibi, Haifa Tounsi, Karim hosni, Abdelaziz Souli, Jamel El-Benna, Lamjed Marzouki, Mohsen Sakly, **Hichem Sebai**: *Myrtle berry seed aqueous extract inhibits human neutrophil myeloperoxidase in vitro and attenuates acetic acid-induced ulcerative colitis in rats*. RSC Advances 07/2015; 5(80)., DOI:10.1039/C5RA07172K
- Hichem Sebai**, Mohamed-Amine Jabri, Abdelaziz Souli, Karim Hosni, Kais Rtibi, Olfa Tebourbi, Jamel El-Benna, Mohsen Sakly: *Chemical composition, antioxidant properties and hepatoprotective effects of chamomile (Matricaria recutita L.) decoction extract against alcohol-induced oxidative stress in rat*. General Physiology and Biophysics 03/2015; 34(03)., DOI:10.4149/gpb_2014039
- Mamane Sani, **Hichem Sebai**, Roberto Refinetti, Mohan Mondal, Néziha Ghanem-Boughanmi, Naceur A Boughattas, Mossadok Ben-Attia: *Research Article Dosing-Time Dependent Effects of Sodium Nitroprusside on Cerebral, Renal, and Hepatic Catalase Activity in Mice*. 03/2015; 2015., DOI:10.1155/2015/790480
- Abdelaziz Souli, **Hichem Sebai**, Kais Rtibi, Latifa Chehimi, Mohsen Sakly, Mohamed Amri, Jamel El-Benna, Lamjed Marzouki: *Inhibitory Effects of Two Varieties of Tunisian Pomegranate (Punica granatum L.) Extracts on Gastrointestinal Transit in Rat*. Journal of Medicinal Food 03/2015; 18(9)., DOI:10.1089/jmf.2014.0110
- Hichem Sebai**, Mohamed Amine Jabri, Abdelaziz Souli, Karim Hosni, Slimen Selmi, Haifa Tounsi, Olfa Tebourbi, Samir Boubaker, Jamel El Benna, mohsen Sakly: *Protective effect of Artemisia campestris extract against aspirin-induced gastric lesions and oxidative stress in rat*. RSC Advances 09/2014; 4(91)., DOI:10.1039/C4RA08564G
- Mamane Sani, **Hichem Sebai**, Néziha Ghanem-Boughanmi, Naceur A Boughattas, Mossadok Ben-Attia: *Dosing-time dependent oxidative effects of sodium nitroprusside in brain, kidney, and liver of mice*. Environmental Toxicology and Pharmacology 08/2014; 38(2)., DOI:10.1016/j.etap.2014.08.013
- Mamane Sani, **Hichem Sebai**, Ghanem-Boughanmi Néziha, Naceur A Boughattas, Mossadok Ben-Attia: *Circadian (about 24-hour) variation in malondialdehyde content and catalase activity of mouse erythrocytes*. Redox report: communications in free radical research 08/2014; 20(1)., DOI:10.1179/1351000214Y.0000000102
- Hichem Sebai**, Slimen Selmi, Kais Rtibi, Najoua Gharbi, Mohsen Sakly: *Protective Effect of Lavandula stoechas and Rosmarinus officinalis Essential Oils Against Reproductive Damage and Oxidative Stress in Alloxan-Induced Diabetic Rats*. Journal of Medicinal Food 08/2014; 18(2)., DOI:10.1089/jmf.2014.0040
- Abdellaziz Souli, **Hichem Sebai**, Kaïs Rtibi, Latifa Chehimi, Mohsen Sakly, Mohamed Amri, Jamel El-Benna: *Effects of Dates Pulp Extract and Palm Sap (Phoenix dactylifera L.) on Gastrointestinal Transit Activity in Healthy Rats*. Journal of medicinal food 03/2014; 17(7)., DOI:10.1089/jmf.2013.0112
- Hichem Sebai**, Mohamed-Amine Jabri, Abdelaziz Souli, Kais Rtibi, Slimen Selmi, Olfa Tebourbi, Jamel El-Benna, Mohsen Sakly: *Antidiarrheal and antioxidant activities of chamomile (Matricaria recutita L.) decoction extract in rats*. Journal of ethnopharmacology 01/2014;. DOI:10.1016/j.jep.2014.01.015
- Hichem Sebai**, Slimen Selmi, Kais Rtibi, Abdelaziz Souli, Najoua Gharbi, Mohsen Sakly: *Lavender (Lavandula stoechas L.) essential oils attenuate hyperglycemia and protect against oxidative stress in alloxan-induced diabetic rats*. Lipids in Health and Disease 12/2013; 12(1)., DOI:10.1186/1476-511X-12-189
- Abdellaziz Souli, **Hichem Sebai**, Latifa Chehimi, Kaïs Rtibi, Haifa Tounsi, Samir Boubaker, Mohsen Sakly, Jamel El-Benna, Mohamed Amri: *Hepatoprotective effect of carob against acute ethanol-induced oxidative stress in rat*. Toxicology and Industrial Health 01/2013; 31(9)., DOI:10.1177/0748233713475506
- Mamane Sani, **Hichem Sebai**, Naceur A Boughattas, Mossadok Ben-Attia: *Dosing-Time Dependence of Lethal Toxicity Induced by Nitroprusside in Young Mice*. Clinical Toxicology 12/2011; 1., DOI:10.4172/2161-0494.1000114
- Mamane Sani, **Hichem Sebai**, Naceur A Boughattas, Mossadok Ben-Attia: *Time-of-day dependence of neurological deficits induced by sodium nitroprusside in young mice*. Journal of Circadian Rhythms 06/2011; 9(1)., DOI:10.1186/1740-3391-9-5

- Hichem Sebai**, Mamane Sani, Ezzedine Aouani, Néziha Ghanem-Boughanmi: *Cardioprotective effect of resveratrol on lipopolysaccharide-induced oxidative stress in rat*. Drug and Chemical Toxicology 04/2011; 34(2)., DOI:10.3109/01480545.2010.494666
- Kamel Charradi, **Hichem Sebai**, Salem Elkahoui, Fethy Ben Hassine, Ferid Limam, Ezzedine Aouani: *Grape Seed Extract Alleviates High-Fat Diet-Induced Obesity and Heart Dysfunction by Preventing Cardiac Siderosis*. Cardiovascular toxicology 03/2011; 11(1)., DOI:10.1007/s12012-010-9101-z
- Hichem Sebai**, Mamane Sani, Mohamed Tahar Yacoubi, Ezzedine Aouani, Néziha Ghanem-Boughanmi, Mossadok Ben-Attia: *Resveratrol, a red wine polyphenol, attenuates lipopolysaccharide-induced oxidative stress in rat liver*. Ecotoxicology and Environmental Safety 07/2010; 73(5)., DOI:10.1016/j.ecoenv.2009.12.031
- Wafa Ben-Cherif, Rafik Gharbi, **Hichem Sebai**, Dorra Dridi, Naceur A Boughattas, Mossadok Ben-Attia: *Neuropharmacological screening of two 1,5-benzodiazepine compounds in mice*. Comptes rendus biologies 03/2010; 333(3)., DOI:10.1016/j.crv.2009.09.015
- Hichem Sebai**, Mamane Sani, Néziha Ghanem-Boughanmi, Ezzedine Aouani: *Prevention of lipopolysaccharide-induced mouse lethality by resveratrol*. Food and chemical toxicology: an international journal published for the British Industrial Biological Research Association 03/2010; 48(6)., DOI:10.1016/j.fct.2010.03.022
- Hichem Sebai**, Elodie Ristorcelli, Veronique Sbarra, Sonia Hovsepian, Guy Fayet, Ezzedine Aouani, Dominique Lombardo: *Protective effect of resveratrol against LPS-induced extracellular lipoperoxidation in AR42J cells partly via a Myd88-dependent signaling pathway*. Archives of Biochemistry and Biophysics 03/2010; 495(1)., DOI:10.1016/j.abb.2009.12.019
- Hichem Sebai**, Sonia Hovsepian, Elodie Ristorcelli, Ezzedine Aouani, Dominique Lombardo, Guy Fayet: *Resveratrol Increases Iodide Trapping in the Rat Thyroid Cell Line FRTL-5*. Thyroid: official journal of the American Thyroid Association 02/2010; 20(2)., DOI:10.1089/thy.2009.0171
- Hichem Sebai**, Wafa Gadacha, Mamane Sani, Ezzedine Aouani, Néziha Ghanem-Boughanmi, Mossadok Ben-Attia: *Protective effect of resveratrol against lipopolysaccharide-induced oxidative stress in rat brain*. Brain Injury 11/2009; 23(13-14)., DOI:10.3109/02699050903379370
- Hichem Sebai**, Mossadok Ben-Attia, Mamane Sani, Ezzedine Aouani, Néziha Ghanem-Boughanmi: *Protective effect of resveratrol on acute endotoxemia-induced nephrotoxicity in rat through nitric oxide independent mechanism*. Free Radical Research 12/2008; 42(11-12)., DOI:10.1080/10715760802555577
- Hichem Sebai**, Mossadok Ben-Attia, Mamane Sani, Ezzedine Aouani, Néziha Ghanem-Boughanmi: *Protective effect of resveratrol in endotoxemia-induced acute phase response in rats*. Archives of Toxicology 09/2008; 83(4)., DOI:10.1007/s00204-008-0348-0
- Mamane Sani, **Hichem Sebai**, Wafa Gadacha, Naceur A Boughattas, Alain Reinberg, Mossadok Ben-Attia: *Age-related changes in the activity of cerebral rhodanese in mice during the first four months of life*. Brain and Development 04/2008; 30(4)., DOI:10.1016/j.braindev.2007.09.002
- Mamane Sani, Wafa Gadacha, Hichem Sebaï, Naceur A Boughattas, Mossadok, Ben Attia: *12-Hour phase-shift of mice kidney rhodanese (thiosulfate sulfurtransferase) activity in the first two months of life*. Biological Rhythm Research 07/2007; 39(2)., DOI:10.1080/09291010701424812
- Mamane Sani, Néziha Ghanem-Boughanmi, Wafa Gadacha, **Hichem Sebai**, Naceur A Boughattas, Alain Reinberg, Mossadok Ben-Attia: *Malondialdehyde Content and Circadian Variations in Brain, Kidney, Liver, and Plasma of Mice*. Chronobiology International 02/2007; 24(4)., DOI:10.1080/07420520701535720
- Mamane Sani, **Hichem Sebaï**, Wafa Gadacha, Naceur A. Boughattas, Alain Reinberg, Ben Attia Mossadok: *Catalase activity and rhythmic patterns in mouse brain, kidney and liver*. Comparative Biochemistry and Physiology Part B Biochemistry and Molecular Biology 11/2006; 145(3-4-145)., DOI:10.1016/j.cbpb.2006.08.005

PUBLICATIONS NATIONALES

- Mohamed-Amine Jabri, Soumaya Hajaji, Mohsen Sakly and **Hichem Sebai**. Phenolic compounds, antimicrobial and in vitro free radical scavenging activities of myrtle berry (*myrtus communis* L.) aqueous extract. *Revue F. S. B. XIV - 2016 pp 10-20*
- Mohamed-Amine Jabri, Mohsen Sakly and **Hichem Sebai**. Inhibitory effects of myrtle berries seeds (*myrtus communis* L.) extracts on gastrointestinal transit and gastric emptying in healthy rats. *Revue F. S. B. XIV - 2016 pp 21-27*
- Mohamed-Amine Jabri, Mohsen Sakly and **Hichem Sebai**. Effet protecteur de l'extrait aqueux des pepins de myrte vis-a-vis de l'obesite induite par un regime hyperlipidique chez le rat. *Revue F. S. B. XIV - 2016 pp 28-39*
- Nadhem Aissani, Rafik Balti and **Hichem Sebai**. Nematicidal activity of buckweat methanolic extract on meloidogyne incognita. *Revue de la Faculté des Sciences de Bizerte XIV - 2016 pp 79-86*
- Nadhem Aissani, Rafik Balti and **Hichem Sebai**. Nematicidal activity of phenolic derivatives using meloidogyne incognita model. *Revue de la Faculté des Sciences de Bizerte XIV - 2016 pp 01-09*
- Abdelaziz Souli, **Hichem Sebai**, Kais Rtibi, Mohamed-Amine Jabri, Jamel El-Benna, Mohsen Sakly et Mohamed-Lamjed Marzouki. Analyse chimique comparée de trois variétés de dattes et de la sève du palmier (*Phoenix dactylifera* L.). *Revue de la Faculté des Sciences de Bizerte XII – 2014 pp : 141-149*
- Hichem Sebai**, Abdelaziz Souli, Mohamed-Amine Jabri, Kais Rtibi, Amira Ben-Said, Olfa Tebourbi, Jamel El-Benna et Mohsen Sakly. Etude ethnobotanique de trois plantes traditionnellement utilisées pour le traitement des pathologies du tractus gastro-intestinal en Tunisie. *Revue de la Faculté des Sciences de Bizerte XII – 2014 pp :215-224*
- Hichem Sebai**, Mossadok Ben Attia, Ezzedine Aouani and Néziha Ghanem-Boughanmi. Implication du monoxyde d'azote dans l'effet hypotenseur d'*Allium sativum* chez les rongeurs. *Actes des 16^{èmes} Journées Nationales sur les acquis de la recherche agricole (I.R.E.S.A.) Nabeul, CD-Rom N°. Décembre 2008*