

HATEM MAJDOUB

M.Sc; Ph.D.

Full Professor



Vice president of the Tunisian Chemical Society

Director of the Department of Chemistry, Faculty of Sciences of Monastir

*Head of the team of biopolymers and Food Chemistry of the Laboratory of
Interfaces and Advanced Materials*



PERSONAL DATA

Name:	Hatem MAJDOUB
Birth:	25-02-1971 Tunis
Citizen of:	Tunisia
Family Status:	Married (2 Children)
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 ResearchGate:	https://www.researchgate.net/profile/Hatem_Majdoub/contributions
 Google Scholar:	https://scholar.google.com/citations?user=0sKEwdEAAAAJ&hl=fr&oi=ao

EDUCATION AND DIPLOMAS

Name of Degree: Habilitation in Chemistry
Date degree awarded: 2011
Name and localisation of the University: Faculty of Sciences of Monastir, Tunisia
Specialization: Chemistry
Title of Thesis: Valorisation of polysaccharides from Tunisian flora and fauna.

Name of Degree: Ph.D
Date degree awarded: 2001
Name and localisation of the University: Faculty of Sciences of Monastir, Tunisia
Specialization: Chemistry
Title of Thesis: Rheological study and physicochemical characterization of polysaccharides extracted from *Opuntia Ficus Indica*.

Name of Degree: Master in Organic Chemistry
Date degree awarded: 1995
Name and localisation of the University: Faculty of Sciences of Monastir, Tunisia
Specialization: Organic Chemistry
Title of Thesis: Synthesis of furan polyethers from biomass derivatives by polycondensation under the conditions of conventional phase transfer catalysis and microwaves.

Name of Degree: Bachelor's degree in Chemistry
Date degree awarded: 1993
Name and localization of the University: Faculty of Sciences of Monastir; Tunisia

UNIVERSITY PROFESSIONAL EXPERIENCE

- Since 2018 **University of Monastir**
Faculty of Sciences of Monastir
Director of the Department of Chemistry
- Since 2016 **University of Monastir**
Faculty of Sciences of Monastir
Full Professor in the Chemistry Department
- 2011-2015 **University of Monastir**
Faculty of Sciences of Monastir
Associate Professor in the Chemistry Department
- 2001-2010 **University of Monastir**
Faculty of Sciences of Monastir
Assistant Professor in the Chemistry Department
- 1999-2000 **University of Monastir**
Faculty of Sciences of Monastir
Assistant in the Chemistry Department
- 1997-1998 **University of Monastir**
Faculty of Sciences of Monastir
Contractual assistant in the Chemistry Department
- 1996-1997 **University of Monastir**
Faculty of Pharmacy
Contractual assistant
- 1995-1996 **University of Monastir**
Faculty of Dental Medicine of Monastir
Contractual assistant
- 1993-1995 **University of Monastir**
Preparatory Institute for Engineering Studies of Monastir
Temporary assistant

Patents

Hatem Majdoub: *Polysaccharides extraits à partir de peau de raie (Raja Radula) : extraction, purification, caractérisation physico-chimique et activité anticoagulante.* M. Ben Mansour; H. Majdoub et R. Maaroufi. Brevet d'invention N°262 au nom de l'institut de Biotechnologie de Monastir déposée à l'INNORPI le 25 Mai 2005 et inscrit sous le N° n° SN 05144. Publié dans la revue de l'INNORPI Mouassafat du 14 Mars 2007.. Ref. No: n° SN 05144, Year: 05/2005

Hatem Majdoub: *Polysaccharides extraits à partir de l'Opuntia Ficus Indica (Figuier de barbarie): Extraction, purification, caractérisation physico-chimique et Applications Industrielles.* H. Majdoub et M.S. Roudesli. Brevet d'invention N° : 17484 au nom de la faculté des Sciences de Monastir déposé à l'INNORPI le 4 septembre 2000 et inscrit sous le N° SN 00181. Publié dans la revue de l'INNORPI Mouassafat du juillet 2002.. Year: 09/2000

Peer-reviewed International Journals

50 Mariem Itaimi Dammak, Ibtissem Chakroun, Zeineb Mzoughi, Sawsen Amamou, Hedi Ben Mansour, Didier Le Cerf, **Hatem Majdoub**: *Characterization of polysaccharides from Prunus amygdalus peels: Antioxidant and antiproliferative activities.* International Journal of Biological Macromolecules 07/2018; 119., DOI:10.1016/j.ijbiomac.2018.07.125

49 Amira Zarrouk, Yosra Ben Salem, Jawhar Hafsa, Randa Sghaier, Bassem Charfeddine, Khalifa Limem, Mohamed Hammami, **Hatem Majdoub**: *7 β -hydroxycholesterol-induced cell death, oxidative stress, and fatty acid metabolism dysfunctions attenuated with sea urchin egg oil.* Biochimie 07/2018;, DOI:10.1016/j.biochi.2018.06.027

48 Zeineb Mzoughi, Amal Abdelhamid, Christophe Rihouey, Didier Le Cerf, Abderrahman Bouraoui, **Hatem Majdoub**: *Optimized extraction of pectin-like polysaccharide from Suaeda fruticosa leaves: Characterization, antioxidant, anti-inflammatory and analgesic activities.* Carbohydrate Polymers 04/2018; 185., DOI:10.1016/j.carbpol.2018.01.022

47 Zeineb Mzoughi, Mohamed Aymen Chaouch, Khaoula Mkadmini Hammi, Jawhar Hafsa, Didier Le Cerf, Riadh Ksouri, **Hatem Majdoub**: *Optimization of antioxidant and antiglycated activities of polysaccharides from Arthrocnemum indicum leaves.* International Journal of Biological Macromolecules 03/2018;, DOI:10.1016/j.ijbiomac.2018.03.008

46 Rafik Ben Said, Fethi Mensi, **Hatem Majdoub**, Amine Ben Said, Badii Ben Said, Abderrahman Bouraoui: *Effects of depth and initial fragment weights of Gracilaria gracilis on the growth, agar yield, quality, and biochemical composition.* Journal of Applied Phycology 02/2018; DOI:10.1007/s10811-018-1414-5

- 45 Ferial Boussema, Andrew J. Gross, Fatma Hmida, Brahim Ayed, **Hatem Majdoub**, Serge Cosnier, Abderrazak Maaref, Michael Holzinger: *Dawson-type polyoxometalate nanoclusters confined in a carbon nanotube matrix as efficient redox mediators for enzymatic glucose biofuel cell anodes and glucose biosensors*. *Biosensors & Bioelectronics* 02/2018; 109., DOI:10.1016/j.bios.2018.02.060
- 44 Khaoula Mkadmini Hammi, Majdi Hammami, Christophe Rihouey, Didier Le Cerf, Riadh Ksouri, **Hatem Majdoub**: *GC-EI-MS identification data of neutral sugars of polysaccharides extracted from Zizyphus lotus fruit*. *Data in Brief* 02/2018;., DOI:10.1016/j.dib.2018.01.085
- 43 Hassiba Chahdoura, Mohamed Aymen Chaouch, Wiem Chouchéne, Adel Chahed, Sami Achour, Khawla Adouni, Habib Mosbah, **Hatem Majdoub**, Guido Flamini, Lotfi Achour: *Incorporation of Opuntia macrorhiza Engelm. in cake-making: Physical and sensory characteristics*. *LWT-Food Science and Technology* 01/2018; 90:15-21., DOI:10.1016/j.lwt.2017.12.001
- 42 Khaoula Mkadmini Hammi, Dorra Jellouli Ennigrou, **Hatem Majdoub**, Riadh Ksouri: *Recovery of Phenolic Compounds and Carbohydrates from Hydro-ethanolic Extract of Zizyphus lotus Fruit using Ultrafiltration Process*. *International Journal of Food Engineering* 12/2017; 13(12)., DOI:10.1515/ijfe-2017-0343
- 41 Meriem Jouini, Amal Abdelhamid, Mohamed Aymen Chaouch, Didier le Cerf, Abderrahman Bouraoui, **Hatem Majdoub**, Hichem Ben Jannet: *Physico-chemical characterization and pharmacological activities of polysaccharides from Opuntia microdasys var. rufida cladodes*. *International Journal of Biological Macromolecules* 10/2017; 107(Pt A)., DOI:10.1016/j.ijbiomac.2017.10.003
- 40 Jihane Hayder, Mohamed Aymen Chaouch, Mohamed Ben Mansour, Jawhar Hafsa, **Hatem Majdoub**, Raoui Mounir Maaroufi: *Antioxidant and anticoagulant activities of polysaccharides isolated from the skin of ray Raja montagui*.
- 39 Jawhar Hafsa, Khaoula Mkadmini Hammi, Didier Le Cerf, Khalifa Limem, **Hatem Majdoub**, Bassem Charfeddine: *Characterization, antioxidant and antiglycation properties of polysaccharides extracted from the medicinal halophyte Carpobrotus edulis L*. *International Journal of Biological Macromolecules* 09/2017; 107(Pt A)., DOI:10.1016/j.ijbiomac.2017.09.046
- 38 Zayneb Jebali, Abdelkader Nabili, **Hatem Majdoub**, Sami boufi: *Cellulose Nanofibrils (CNFs) from Ammophila arenaria, a natural and a fast growing grass plant*. *International Journal of Biological Macromolecules* 09/2017; 107(Pt A)., DOI:10.1016/j.ijbiomac.2017.09.024

- 37 W. Marzouk, F. Bettaieb, R. Khiari, **H. Majdoub**: *Composite materials based on low-density polyethylene loaded with date pits*. Journal of Thermoplastic Composite Materials 09/2017; 30(9):1200-1216., DOI:10.1177/0892705715618742
- 36 Fatma Salaha, Yassine El Ghoula, Abdelkarim Mahdhib, **Hatem Majdoub**, Nathalie Jarrouxd, Faouzi Saklia: *Effect of the deacetylation degree on the antibacterial and antibiofilm activity of acemannan from Aloe vera*. Industrial Crops and Products 09/2017; 103:13-18., DOI:10.1016/j.indcrop.2017.03.031
- 35 Yosra Ben Salem, Amal Abdelhamid, Khaoula Mkadmini Hammi, Didier Le Cerf, Abderrahman Bouraoui, **Hatem Majdoub**: *Microwave-assisted extraction and pharmacological evaluation of polysaccharides from Posidonia oceanica*. Bioscience Biotechnology and Biochemistry 08/2017; 81(7):1-9., DOI:10.1080/09168451.2017.1361808
- 34 Hassiba Chahdoura, João C. M. Barreira, Khawla Adouni, Lamia Mhadhebi, Ricardo C. Calhelha, Mejdi Snoussi, **Hatem Majdoub**, Guido Flamini, Isabel C. F. R. Ferreira, Lotfi Achour: *Bioactivity and chemical characterization of: Opuntia macrorhiza Engelm. seed oil: Potential food and pharmaceutical applications*. Food & Function 07/2017; 8(8), DOI:10.1039/C7FO00731K
- 33 Zeineb Mzoughi, Ibtissem Chakroun, Sarra Ben Hamida, Christophe Rihouey, Hedi Ben Mansour, Didier Le Cerf, **Hatem Majdoub**: *Ozone treatment of polysaccharides from Arthrocnemum indicum : Physico-chemical characterization and antiproliferative activity*. International journal of biological macromolecules 07/2017;, DOI:10.1016/j.ijbiomac.2017.07.151
- 32 Nawfel Sakly, Wiem Marzouk, Hafedh Ben Ouada, **Hatem Majdoub**: *Enhancing performances of colorimetric response of carboxymethylcellulose-stabilized silver nanoparticles: A fully eco-friendly assay for Hg²⁺ detection*. Sensors and Actuators B Chemical 07/2017; 253., DOI:10.1016/j.snb.2017.07.035
- 31 Hiba Hadj Ammar, Sirine Lajili, Nawfel Sakly, Dora Cherif, Christophe Rihouey, Didier Le Cerf, Abderrahman Bouraoui, **Hatem Majdoub**: *Influence of the uronic acid composition on the gastroprotective activity of alginates from three different genus of Tunisian brown algae*. Food Chemistry 06/2017; 239., DOI:10.1016/j.foodchem.2017.06.108
- 30 Abdelkarim Mahdhi, Nadia Leban, Ibtissem Chakroun, Mohamed Aymen Chaouch, Jawhar Hafsa, Kais Fdhila, Kacem Mahdouini, **Hatem Majdoub**: *Extracellular polysaccharide derived from potential probiotic strain with antioxidant and antibacterial activities as a prebiotic agent to control pathogenic bacterial biofilm formation*. Microbial Pathogenesis 06/2017; 109., DOI:10.1016/j.micpath.2017.05.046

- 29 Agougui Hassen, Mahjoub Jabli, **Hatem Majdoub**: *Synthesis, Characterization of Hydroxyapatite-Lambda Carrageenan and Evaluation of its Performance for the Adsorption of Methylene Blue from Aqueous Suspension*. Journal of Applied Polymer Science 05/2017;, DOI:10.1002/app.45385
- 28 Jihane Hayder, Mohamed Aymen Chaouch, Amira Noumi, Mohamed Ben Mansour, **Hatem Majdoub**, Frédéric Chaubet, Raoui Mounir Maaroufi: *Co-Immobilization of Chitosan and Dermatan Sulfate from Raja montagui Skin on Polyethylene Terephthalate Surfaces: Characterization and Antibiofilm Activity*. International Journal of Polymeric Materials 05/2017;, DOI:10.1080/00914037.2017.1320664
- 27 K. Zinoubi, **H. Majdoub**, H. Barhoumi, S. Boufi, N. Jaffrezic-Renault: *Determination of trace heavy metal ions by anodic stripping voltammetry using nanofibrillated cellulose modified electrode*. DOI:10.1016/j.jelechem.2017.05.039
- 26 Yosra Ben Salem, Safa Amri, Khaoula Mkadmini Hammi, Amal Abdelhamid, Didier Le Cerf, Abderrahman Bouraoui, **Hatem Majdoub**: *Physico-chemical characterization and pharmacological activities of sulfated polysaccharide from sea urchin, Paracentrotus lividus*. International journal of biological macromolecules 01/2017; 97., DOI:10.1016/j.ijbiomac.2017.01.007
- 25 Wiem Marzouk, Mohamed Aymen Chaouch, Jawhar Hafsa, Didier LeCerf, **Hatem Majdoub**: *Antioxidant and antiglycated activities of polysaccharides from Tunisian date seeds (Phoenix dactylifera L.)*.
- 24 Jawhar Hafsa, Khaoula Mkadmini Hammi, Med Raâfet Ben Khedher, Med Ali Smach, Bassem Charfeddine, Khalifa Limem, **Hatem Majdoub**: *Inhibition of protein glycation, antioxidant and antiproliferative activities of Carpobrotus edulis extracts*. Biomedicine & pharmacotherapy = Biomedecine & pharmacotherapie 11/2016; 84., DOI:10.1016/j.biopha.2016.11.046
- 23 Jawhar Hafsa, Mohamed Aymen Chaouch, Bassem Charfeddine, Christophe Rihouey, Khalifa Limem, Didier Le Cerf, Sonia Rouatbi, **Hatem Majdoub**: *Effect of ultrasonic degradation of hyaluronic acid extracted from rooster comb on antioxidant and antiglycation activities*. Pharmaceutical Biology 09/2016; 55(1):1-8., DOI:10.1080/13880209.2016.1232740
- 22 Wiem Marzouk, Ramzi Zarrougui, **Hatem Majdoub**: *Hight solubility of cellulose extracted from Tunisian date palm (Phoenix Dactylifera) in a new ionic liquid*. Cellulose Chemistry and Technology 08/2016; 51(7).
- 21 Khaoula Mkadmini Hammi, Majdi Hammami, Christophe Rihouey, Didier Le Cerf, Riadh Ksouri, **Hatem Majdoub**: *Optimization extraction of polysaccharide from Tunisian Zizyphus lotus fruit*

- by response surface methodology: *Composition and antioxidant activity*. Food Chemistry 06/2016; 212., DOI:10.1016/j.foodchem.2016.06.004
- 20 Yassine El Ghouli, Fatma Salah, **Hatem Majdoub**, Faouzi Sakli: *Synthesis and study of drug delivery system obtained via -cyclodextrin functionalization of viscose/polyester dressings*. Journal of Industrial Textiles 05/2016; 47(4)., DOI:10.1177/1528083716652833
- 19 Wiem Marzouk, Nawfel Sakly, Sadok Roudesli, Hafedh Ben Ouada, **Hatem Majdoub**: *Ag-nanocomposite based on carboxymethylcellulose for humidity detection: Green synthesis and sensing performances*. Journal of Applied Polymer Science 03/2016; 133(28)., DOI:10.1002/APP.43686
- 18 Mohamed Aymen Chaouch, Jawhar Hafsa, Christophe Rihouey, Didier Le Cerf, **Hatem Majdoub**: *Effect of extraction conditions on the antioxidant and antiglycation capacity of carbohydrates from Opuntia robusta cladodes*. International Journal of Food Science & Technology 02/2016; 51(4):n/a-n/a., DOI:10.1111/ijfs.13055
- 17 Hiba Hadj Ammar, Jawhar Hafsa, Didier Lecerf, Abderrahman Bouraoui, **Hatem Majdoub**: *Antioxydant and gastroprotective activities of polysaccharides from the Tunisian brown algae (Cystoseira sedoides)*.
- 16 Jawhar Hafsa, Med ali Smach, Med Raâfet Ben Khedher, Bassem Charfeddine, Khalifa Limem, **Hatem Majdoub**, Sonia Rouatbi: *Physical, antioxidant and antimicrobial properties of chitosan films containing Eucalyptus globulus essential oil*. LWT- Food Science and Technology 12/2015; 68., DOI:10.1016/j.lwt.2015.12.050
- 15 Mohamed Aymen Chaouch, Jawhar Hafsa, Christophe Rihouey, Didier Le Cerf, **Hatem Majdoub**: *Effect of pH during Extraction on the Antioxidant and Antiglycated Activities of Polysaccharides from Opuntia Ficus Indica*. Journal of Food Biochemistry 12/2015;, DOI:10.1111/jfbc.12220
- 14 Wiem Marzouk, Fedia Bettaieb, Ramzi Khiari, **Hatem Majdoub**: *Composite materials based on low-density polyethylene loaded with date pits: Mechanical and thermal characterizations*. Journal of Thermoplastic Composite Materials 11/2015;, DOI:10.1177/0892705715618746
- 13 Khaoula Mkadmini Hammi, Ahmed Jdey, Chedly Abdely, **Hatem Majdoub**, Riadh Ksouri: *Optimization of ultrasound-assisted extraction of antioxidant compounds from Tunisian Zizyphus lotus fruits using response surface methodology*. Food Chemistry 10/2015; 184., DOI:10.1016/j.foodchem.2015.03.047
- 12 J.Hafsa, M. A. Smach, B. Charfeddine, K. Limam, **H. Majdoub**, S. Rouatbi: *Antioxidant and antimicrobial properties of chitin and chitosan extracted from Parapenaeus Longirostris*

shrimp shell waste. Annales Pharmaceutiques Françaises 06/2015; 74(1)., DOI:10.1016/j.pharma.2015.07.005

- 11 Mohamed Aymen Chaouch, Jawhar Hafsa, Christophe Rihouey, Didier Le Cerf, **Hatem Majdoub**: *Depolymerization of polysaccharides from Opuntia ficus indica: Antioxidant and antiglycated activities*. International journal of biological macromolecules 06/2015; 79., DOI:10.1016/j.ijbiomac.2015.06.003
- 10 Hiba Hadj Ammar, Sirine Lajili, Rafik Ben Said, Didier Le Cerf, Abderrahman Bouraoui, **Hatem Majdoub**: *Physico-Chemical Characterization and Pharmacological Evaluation of Sulfated Polysaccharides from Three Species of Mediterranean Brown Algae of the Genus Cystoseira*. DARU Journal of Pharmaceutical Sciences 01/2015; 23(1):1., DOI:10.1186/s40199-015-0089-6
- 9 **H. Majdoub**, L. Picton, D. Le Cerf, S. Roudesli: *Water Retention Capacity of Polysaccharides from Prickly Pear Nopals of Opuntia Ficus Indica and Opuntia Litoralis: Physical–Chemical Approach*. Journal of Polymers and the Environment 12/2010; 18(4):451-458., DOI:10.1007/s10924-010-0159-2
- 8 **Hatem Majdoub**, Mohamed Ben Mansour, Frédéric Chaubet, Mohamed S Roudesli, Raoui M Maaroufi: *Anticoagulant activity of a sulfated polysaccharide from the green alga Arthrospira platensis*. Biochimica et Biophysica Acta 08/2009; 1790(10):1377-81., DOI:10.1016/j.bbagen.2009.07.013
- 7 Kacem Ismahen, **Majdoub Hatem**, Roudesli Sadok: *Fraction of Soluble Polysaccharides from Inula crithmoides by Sequential Extraction*. Journal of Applied Sciences 12/2008; 8(13)., DOI:10.3923/jas.2008.2442.2448
- 6 Kacem I, **Majdoub H**, Roudesli S: *Physicochemical Properties of Pectin from Retama raetam Obtained using Sequential Extraction*. Journal of Applied Sciences 09/2008; 8(9)., DOI:10.3923/jas.2008.1713.1719
- 5 Mohamed Ben Mansour, **Hatem Majdoub**, Isabelle Bataille, Mohamed S Roudesli, Mohsen Hassine, Nadine Ajzenberg, Frédéric Chaubet, Raoui M Maaroufi: *Polysaccharides from the skin of the ray Raja radula. Partial characterization and anticoagulant activity*. Thrombosis Research 08/2008; 123(4):671-8., DOI:10.1016/j.thromres.2008.05.018
- 4 Nour H. M'sakni, **Hatem Majdoub**, Sadok Roudesli, Luc Picton, Didier Le Cerf, Christophe Rihouey, Claudine Morvan: *Composition, structure and solution properties of polysaccharides extracted from leaves of Mesembryanthemum crystallinum*. European Polymer Journal 04/2006; 42(4):786-795., DOI:10.1016/j.eurpolymj.2005.09.014

3 Nour H. M'sakni, Hamouda Zayane, Hatem **Majdoub**, Claudine Morvan, Sadok Roudesli, André Deratani: "*Extraction and characterization of polysaccharides from Mesembryanthemum Crystallinum*". E-Polymers 09/2005; 5(1)., DOI:10.1515/epoly.2005.5.1.668

2 **H Majdoub**, S Roudesli, L Picton, D Le Cerf, G Muller, M Grisel: *Prickly pear nopals of Opuntia ficus-indica physical-chemical study in dilute and semi-dilute solutions*. Carbohydrate Polymers 09/2001; 46(1):69-79., DOI:10.1016/S0144-8617(00)00284-8

1 **Hatem Majdoub**, Sadok Roudesli, André Deratani: *Polysaccharides from prickly pear peel and nopals of Opuntia ficus-indica: Extraction, characterization and polyelectrolyte behaviour*. Polymer International 04/2001; 50(5):552 - 560., DOI:10.1002/pi.665

Peer-reviewed International Conferences

9 **HATEM MAJDOUB**, MOHAMED BEN MANSOUR, RAOUI MOHAMED MAAROUFI and MOHAMED SADOK ROUDES LI. Extraction and characterization of sulfated polysaccharide from culture medium of green alga *Arthrospira Platensis*: anticoagulant activity. The 15th Arab Chemistry Conference (ACC-15), 20-22 April 2010, Homs, Syrie.

8 Wiem MARZOUK, Ramzi KHIARI, Fédia BETTAIEB and **Hatem MAJDOUB**. Preparation and characterization of the composite films based on date pits and LDPE. The 17th Arab Chemistry Conference (ACC-17), 15-17 Mars 2010, Hammamet, Tunisia.

7 I.KACEM, **H. MAJDOUB** and S. ROUDES LI. Synthesis and properties of amphiphilic carbohydrate derivatives from *Inula crithmoides*. International Journey of Modern Organic Chemistry (ISMOC2009), 20-22 February 2009 in Monastir, Tunisia.

6 S. GUEDIDI, **H. MAJDOUB**, S. ROUDES LI, A. DERATANI, C. INNOCENT, P. DEJARDIN. Reactivity and Transport of Immobilized Enzyme Membrane Membranes Using Polyelectrolytes. Membranes et Films Composites (CFMMFC09), Monastir, Tunisia, 25-28 Mars 2009.

5 S. GUEDIDI, A. DERATANI, C. INNOCENT, S. ROUDES LI, **H. MAJDOUB**, Y. YUREKLI, S. ALSOY ALTINKAYA, A. YEMENICIOĞLU. Enzymes modified membranes. Preparation, Characterization and Modelling. Engineering with Membrane 2008: Membrane Processes: Development, Monitoring and Modelling-From the Nano to the Macro Scale, Algarve, Portugal. 25-28 May 2008.

4 S. GUEDIDI, C. INNOCENT, A. DERATANI, **H. MAJDOUB**, S. ROUDES LI. Elaboration of enzyme reactive membranes. 12ème Doctoriales Languedoc Roussillon, Montpellier, France, 18-24 Mars 2007.

3 A. EL GHALI, M. H. V BAOUEB, **H. MAJDOUB**, S. ROUDES LI. The use of *Stipa Tenacissima*. L for the removal of residual dyes 2nd International conference of Applied Research on Textile-CIRAT-2, Décembre 2006.

2 A.DERATANI, **H. MAJDOUB**, M.S. ROUDES LI .Solution behaviour of polysaccharides from prickly pear peel and nopals of *Opuntia ficus-indica*. Workshop on plant Biopolymer Science INRA Nantes, June 2001.

1 **H. MAJDOUB**, M.S. ROUDES LI, L. PICTON, D. LE CERF, G. MULLER and M. GRISEL. Physicochemical characterization of a new polysaccharide extracted from barbaric fig rackets. National Symposium of the French Group of Polymers Nantes, 23-25 November 1999.

GRADUATE RESEARCH SUPERVISION

Degree	Student's Name	Date of Enrolment	Date Thesis Submitted
Ph.D	Zayneb JEBALI	07/12/2014	07/07/2018
Subject: Development and physicochemical characterization of nanocomposites based on Tunisian lignocellulosic materials.			

Degree	Student's Name	Date of Enrolment	Date Thesis Submitted
Ph.D	Zayneb Mzoughi	29/12/2015	30/06/2018
Subject: Physico-chemical characterization and biological evaluation of bioactive substances from Tunisian halophyte plants.			

Degree	Student's Name	Date of Enrolment	Date Master Submitted
Master of research in valorisation and innovation of food resources	Rania Achour	01/02/2017	27/10/2017
Subject: Extraction, characterization and biological evaluation of bioactive molecules from melon peels (<i>Curcumis mulo L.</i>): food application			

Degree	Student's Name	Date of Enrolment	Date Thesis Submitted
Ph.D	Feriel Boussema	05/12/2013	16/12/2017
Subject: Elaboration and characterization of electrodes modified by polymer matrices based on inorganic composite nanomaterials for electro catalysis and bio-detection.			

Degree	Student's Name	Date of Enrolment	Date Thesis Submitted
Ph.D	Yosra Ben Salem	20/01/2015	15/12/2017
Subject: Physicochemical characterizations and biological evaluation of bioactive substances from different Tunisian marine species.			

Degree	Student's Name	Date of Enrolment	Date Master Submitted
Master of Sciences in Organic Chemistry	Mariem Haj Romdhane	01/02/2016	17/12/2016
Subject: Characterization and biological evaluation of polysaccharides from Tunisian orange peels.			

Degree	Student's Name	Date of Enrolment	Date Master Submitted
Master of Sciences in Organic Chemistry	Rihab Chhoud	01/02/2016	06/12/2016
Subject: Physico-chemical characterization of biomolecules from Tunisian date seeds.			

Degree	Student's Name	Date of Enrolment	Date Thesis Submitted
Ph.D	Hiba Hadj Ammar	20/12/2012	03/09/2016
Subject: Comparative study of the physico-chemical and biological properties of polysaccharides from different species of Tunisian marine algae.			

Degree	Student's Name	Date of Enrolment	Date Thesis Submitted
Ph.D	Wiem Marzouk	20/12/2012	14/07/2016
Subject: Physico-chemical characterization of lignocellulosic extracts from Tunisian flora: Elaboration of composite materials.			

Degree	Student's Name	Date of Enrolment	Date Thesis Submitted
Ph.D	Mohamed Aymen Chaouch	20/12/2012	06/02/2016
Subject: Study of the degradation of polysaccharides from Tunisian fauna and flora: Structure-biological activity relationship.			

Degree	Student's Name	Date of Enrolment	Date Master Submitted
Master of Science in Organic Chemistry	Zeineb Mzoughi	01/02/2015	06/11/2015
Subject: Physicochemical characterizations and biological evaluation of polysaccharides from <i>Arthrocnemum indicum</i> .			

Degree	Student's Name	Date of Enrolment	Date Master Submitted
Master of Science in Organic Chemistry	Yosra Ben Salem	01/02/2014	24/12/2014
Subject: Physico-chemical characterizations and pharmacological evaluation of bioactive substances from <i>Paracentrotus lividus</i> .			

Degree	Student's Name	Date of Enrolment	Date Master Submitted
Master of Physico-chemistry of Condensed Matter	Yahya Bahrouni	01/02/2013	30/11/2013
Subject: Extraction, physicochemical characterizations and biological activities of polysaccharides derived from red algae of the genus <i>Halurus.sp.</i>			

Degree	Student's Name	Date of Enrolment	Date Thesis Submitted
Master of Physico-chemistry of Condensed Matter	Jawaher Bezig	01/02/2013	7/12/2013
Subject: Extraction, physicochemical characterization and biological activities of carbohydrate from <i>Posidonia Oceanica</i>			

Degree	Student's Name	Date of Enrolment	Date Master Submitted
Master of Science in Organic Chemistry	Hiba Hadj Ammar	01/02/2012	29/09/2012
Subject: Extraction, physicochemical characterizations and biological activities of Polysaccharides derived from brown algae of the genus (<i>Cystoseira.sp.</i>)			

Degree	Student's Name	Date of Enrolment	Date Thesis Submitted
Master of Science in Organic Chemistry	Wiem Marzouk	01/02/2012	16/07/2012
Subject: Extraction and chemical modifications of date palm fibers: Solubility in ionic liquid.			

Degree	Student's Name	Date of Enrolment	Date Master Submitted
Master of Science in Organic Chemistry	Nesrine Teka	01/02/2012	06/10/2012
Subject: Extraction optimization, chemical modification and physicochemical characterization of pectin from <i>Opuntia ficus indica</i> : antioxidant activity			

Editing board and reviewer of international Journals

Editor board

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Reviewer

- Carbohydrate Polymers
- International Journal of Biological Macromolecules
- Food Chemistry
- Natural Products Research
- Journal of Food Science and Technology