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| Université de Tébessa  Département des Sciences de La Nature et de la vie  [street]  [city], [state] [zip]  Algeria | r\_rouabhi@yahoo.fr  Phone: [phone]  Mobile: 0661259899  Fax: [fax]  Website: https://www.facebook.com/rachid.rouabhi |

Rachid Rouabhi, Dr. Full Pofessor

https://www.researchgate.net/profile/Rachid\_Rouabhi

Education



Thesis

Gasmi Salim, Rouabhi Rachid, Kebieche Mohammed: *Neurotoxicité de deux pesticides (Acetamipride & Deltamethrine) et la prévention de cette toxicité par la Quercetine chez le rat.*. 01/2018, Degree: PhD in cellular toxicology, Supervisor: Rouabhi Rachid . Kebieche Mohammed, DOI:10.13140/RG.2.2.36175.38562

Bouchama Khaled, rouabhi rachid: *etude du comportement de Phragmites australis vis-a-vis d'une pollution induite par deux metaux lourds le cadmium et le nickel (perspectives en phytoremediation)*. 06/2012, Degree: Magister, Supervisor: Rouabhi Rachid

Rachid Rouabhi: *Toxicité de deux pesticides: le Flucycloxuron et le Diflubenzuron sur deux mod lesècellulaires Paramecium sp. et Tetraselmis suecica*. 06/2002, Degree: MAGISTER

Research Experience

|  |  |
| --- | --- |
| *Dec 2010 – Dec 2016* | **SNV PEDAGOGIC RESPONSIBLE**  Université de Tébessa, Département des Sciences de La Nature et de la vie  Tébessa, Algeria |
| *Jan 2006 – present* | **Researcher**  Badji Mokhtar - Annaba University, Département de biologie  Annaba, Algeria  researcher of toxicology laboratory of cellular toxicology |
| *Jan 2003 – Dec 2016* | **Professor (Full)**  Université de Tébessa, Faculté des sciences exactes et des sciences de la nature et de la vie  Tébessa, Algeria |
| *Jan 2003 – Dec 2016* | **Professor (Full)**  Université de Tébessa, Département de biologie appliquée  Tébessa, Algeria |
| *Jan 2003 – Oct 2015* | **Professor (Full)**  Université de Tébessa, Département des Sciences de La Nature et de la vie  Tébessa, Algeria |
| *Jan 2003 – May 2015* | **Professor (Full)**  Université de Tébessa, Applied Biology  Tébessa, Algeria |
| *Jan 2003 – Mar 2015* | **Professor (Full)**  Université de Tébessa, Département des Sciences de La Nature et de la vie  Tébessa, Algeria |
| *Jan 2003 – Dec 2016* | **Professor (Full)**  Université de Tébessa, Département des Sciences de La Nature et de la vie  Tébessa, Algeria |

Statistics

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| *RG Score* | 33.19 |
| *Publications* | 164 |
| *Reads* | 32,295 |
| *Citations* | 275 |

Awards & Grants



Skills & Activities

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| --- | --- |
| *Skills* | Pesticides, Peroxidases, Metabolism, Ecotoxicology, SOD, Reactive Oxygen Species, Lipid Peroxidation, CAT, GSH, Oxidative Stress Biomarkers, Free Radicals, Biomarkers, Lipid Oxidation, Redox Regulation, Free Radical Biology, GPx, Free Radical Biochemistry, Redox Signaling, Oxidative Phosphorylation, Inflammatory Biomarkers, Mitochondrial Diseases, Mitochondria Isolation, NOS, Xenobiotics, Superoxide Detection, Molecular Toxicology, AST, Antioxidant Activity, MDA, Toxicological Analysis, Biochemical Toxicology, Cancer Research, Toxicology, Neurology, Cell Biology, Physiology, Oxidative Stress, Toxicity, Enzyme Activity, Enzymes, Antioxidants, Proteins, Catalase, Selenium, Chlorophyll, Mitochondria, Protist, Microalgae, Apoptosis, Ciliate, Superoxide Dismutase, Cadmium, Quercetin, Protozoa, Glutathione, Wastewater, Neuroscience, Public Health, Biomarker Analysis, Biomarker Discovery, Mitochondial Disease Secondary to Chronic Infection, Antioxidant Activity Assay, Antioxidant Enzymes, Oxidative Stress Assays, Oxidative Biodegradation Pathway, Clinical Neurology, Cognitive Neurology, Comparative Neurology, Natural Antioxidants, Antioxidant Biology, Redox Biology, Redox Chemistry, Enzyme Catalysis, Enzyme Biotechnology, Enzyme Extraction, Eco-physiology, Pesticide Analysis, Pesticide Chemistry, Glutathione Peroxidase, Glutathione Transferase, Glutathione Synthase, Catalysis Asymetric, Mitochondrial Assays, Mitochondrial Biogenesis, Nicotinamide Phosphoribosyltransferase, Glycogen Phosphorylase, Oxidative Coupling, Affective Neuroscience, Basic Neuroscience, Medical Neurosciences, Neurodegenerative Tauopathies, Nicotinamide Adenine Dinucleotide, NAD, NAD+ Nucleosidase, DDT, Public Health Informatics, Public Health Education, Algal Biotechnology, Translational Cancer Research, Biomaterials in Cancer Research, Selenium Compounds, Clinical Toxicology, Analytical Toxicology, Nanoparticles, CdSe Nanoparticles, Biological Synthesis of Nanoparticles, Anisotropic Nanoparticle, Characterization of Nanoparticles, Forensic Medicine, Clinical Forensic Medicine, Medical Forensics, Cancer Diagnostics, Antimethanogenic activity of essential oils, Cancer Cell Biology, Anti-Cancer Drug Delivery, Anti-Cancer Drug Design and Discovery, Anti Cancer Medicinal Plants, Glycogen Storage Disease, Muscle Form Glycogen Phosphorylase, Oxidative Phosphorylation Coupling Factors, Glial Biology, Glial Fibrillary Acidic Protein, Glial Cell Line-Derived Neurotrophic Factor, Glutathione S-Transferase |
| *Languages* | arabic, English, French, German |
| *Scientific Memberships* | http://omicsonline.org/editor-profile/Rachid\_Rouabhi/ |
| *Interests* | http://omicsonline.org/editor-profile/Rachid\_Rouabhi/ |

Publication Highlights

[authors]: *[title]*. [details]

Books

Fouad Menaceur, Salim Gasmi, Rachid Rouabhi: *Etat de biodiversité du site du lac Dhaya (Parc National de Chrea) Etude phénologique*. 03/2019; Presse Académique Francophone., ISBN: 978-3-8416-2994-4

Rachid Rouabhi: *Toxicité du DFB et du FCX sur le développement embryonnaire de poule: étude toxicologique*. 02/2018; Édition universitaire européenne., ISBN: 978-620-2-27939-0

Salim Gasmi, Rachid Rouabhi, Mohammed KEBIECHE, Fouad Menaceur: *Neurotoxicité des pesticides chez le rat*. marque déposée de OmniScriptum GmbH & Co. KG Bahnhofstraße 28, D-66111 Saarbrücken edited by Haroldstr. 14, D-40213 Düsseldorf, Germany Partner with unlimited liability: OmniScriptum Holding GmbH Handelsregister Amtsgericht Saarbrücken: HRB 19539 Management: Dr. Wolfgang Philipp Müller (CEO), 02/2018; Editions Universitaires Européennes., ISBN: 978-620-2-27876-8

Book Chapters

Rachid Rouabhi, Salim Gasmi: *Mitochondrial Dysfunction of Rat Wistar Nervous System After an Exposure to Abamectin (Oxidative Stress Status, Caspase-3, Stromal Enzymes and Mitochondrial Respiration and Swelling)*. Recent Advances in Environmental Science from the Euro-Mediterranean and Surrounding Regions, 01/2018: pages 517-519; , ISBN: 978-3-319-70547-7, DOI:10.1007/978-3-319-70548-4\_158

Toualbia Nadjiba, Salmi Aya, Rouabhi Rachid: *Evaluation of Hepatotoxicity: Nickel on an Indicator Model of Pollution (Oryctolagus cuniculus)*. Recent Advances in Environmental Science from the Euro-Mediterranean and Surrounding Regions, 01/2018: pages 567-569; , ISBN: 978-3-319-70547-7, DOI:10.1007/978-3-319-70548-4\_171

Salmi Aya, Toualbia Nadjiba, Rouabhi Rachid: *Study of the Toxicity of Cadmium Selenide (CdSe) Nanoparticles on a Terrestrial Ecosystem Model Helix Aspersa*. Recent Advances in Environmental Science from the Euro-Mediterranean and Surrounding Regions, 01/2018: pages 495-497; , ISBN: 978-3-319-70547-7, DOI:10.1007/978-3-319-70548-4\_151

Rachid Rouabhi: *Introduction and Toxicology of Fungicides*. Fungicides, Odile Carisse edited by Odile Carisse, 12/2010: chapter 18: pages 363-382; intech open., ISBN: 978-953-307-266-1, DOI:10.13140/RG.2.1.2099.9125

Journal Publications

Salim Gasmi, Benaicha Brahim, Rachid Rouabhi: *Biochemical and histotopographical alterations in the brain of rats exposed to low dose of deltamethrin: striatum apoptosis assessment*. Clinical Toxicology 10/2018; (NACCT) Abstracts(185):112/182., DOI:10.1080/15563650.2018.150661

Soltani Nadjmeddine, Saliha Dahamna, Rachid Rouabhi, Salim Gasmi: *Improvement of the Health Status of Sheep by the Use of Medicinal Plants and Their Effects on Oxidative Stress Parameters*. Saudi Journal of Biological Sciences 04/2018; 3(4)., DOI:10.21276/haya.2018.3.4.4

Salim Gasmi, Benaicha Brahim, Fouad Menaceur, Rachid Rouabhi, Mohammed KEBIECHE: *STUDY OF CHRONIC NEUROTOXICITY BY ACETAMIPRID ® IN RATS*. AFRICAN JOURNAL OF BIOTECHNOLOGY 03/2018; 02(01):A1-A27., DOI:10.5281/zenodo.1245695

Aya Salmi, Rachid Rouabhi: *Archives of Environmental Sciences and Environmental Toxicology Study of the Toxicity of Cadmium Selenide (CdSe) on a Model Bio Indicator Helix aspersa*. Archives of Environmental Contamination and Toxicology 01/2018;, DOI:10.29011/AESET-102.100002

Nadjiba Toualbia, Rachid Rouabhi, Aya Salmi: *Evaluation of Cytochrome c Level and Mitochondrial Dysfunction Biomarkers of Oryctolagus cuniculus Liver Exposed to Chlorpyrifos*. Toxicology and Environmental Health Sciences 12/2017; 9(5):325-331., DOI:10.1007/s13530-017-0338-9

Gasmi Salim, Rouabhi Rachid, Kebieche Mohammed: *Biochemical and behavioral study of cerebral intoxication by Acetamiprid in chronicity in rats*. Revue tunisienne de sciences sociales 12/2017; (ISSN: Revue des Régions Arides 0330-7956) n°43 / Numéro spécial((3/2017)).

Zhoura Lakroun, Mohamed Kebieche, Asma Lahouel, Afafe Beghoul, Salim Gesmi, Rachid Rouabhi, Hamadi Fetoui, Rachid Soulimani: *Potentiation of Apoptosis in Rat Striatum Exposed to Endosulfan and the Role of Quercetin*. Toxicology and Environmental Health Sciences 09/2017; 9(3)., DOI:10.1007/s13530-017-0325-1

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Afafe Beghoul, Mohamed Kebieche, Salim Gasmi, Zeyneb Chouit, Chouaib Amiour, Asma Lahouel, Zhora Lakroun, Rachid Rouabhi, Hamadi Fetoui, Rachid Soulimani: *Impairment of mitochondrial integrity and redox status in brain regions during a low-dose long-term exposition of rats to pyrethrinoïds: the preventive effect of quercetin*. Environmental Science and Pollution Research 07/2017; 24(4):1-9., DOI:10.1007/s11356-017-9675-0

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Henine Sara, Rouabhi Rachid, Gasmi Salim, Amrouche Aml, Abide Amna, Salmi Aya, Toualbia Nadjiba, Taib Chahinez, Bouteraa Zina, Chenikher Hajer, Boussekine Samira, Kebieche Mohamed, Aouimeur Mariem, Djabri Belgacem: *Oxidative stress status, caspase-3, stromal enzymes and mitochondrial respiration and swelling of Paramecium caudatum in responding to the toxicity of Fe3O4 nanoparticles*. Toxicology and Environmental Health Sciences 05/2016; 8(2)., DOI:10.1007/s13530-016-0273-1

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Bouchiha Hanene, Rouabhi Rachid, Bouchama Khaled, Berrebbah Houraya, Mohamed Djebar: *Paramecuim as a Model for the Evaluation of Toxicity (Growth, Total Proteins, Respiratory and GSH Bio Marker Changes) Observed after Treatment with Essential Oils Isolated from Artemisia herba-alba Plant of Algeria*. International Journal of Chemical Engineering 01/2016; 3(2).

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Djabri Belgacem, Kalla Ali, Rouabhi Rachd, Amara Djazia: *Effect of Pituranthos scoparius essential oils on reducing methanogenesis in cheep: In Vitro study*. Environmental Sciences 01/2016; 12(3):118-126.

Bouchiha H, Rouabhi Rachid, Bouchama K, Berrebbah H, Djebar MR: *Potential toxicity of essential oil extracted from medicinal plant (Mentha piperita) on an alternative cellular model paramecium sp.*. Revista Kasmera 11/2015; 43(2):114-130.

Bouchiha H, Rouabhi Rachid, Bouchama Kh, Berrebbah H, Djebar MR: *Effects of pastoral plants essential oil redirecting rumen fermentation to reduce methanogenesis using in vitro gas production method*. Journal of Bioscience and Bioengineering 10/2015; 7(4):150-156., DOI:10.12692/ijb/7.4.150-156

Boussekine S, Rouabhi Rachid, Tebani M: *Beneficial Effect of Selenium on Lead Induced Hepatotoxicity in Mice.*. 09/2015; 134(4):428-437.

R. Rouabhi, S. Gasmi, S. Boussekine, M. Kebieche: *Hepatic Oxidative Stress Induced by Zinc and Opposite Effect of Selenium in Oryctolagus Cuniculus*. Journal of analytical toxicology 04/2015; 5(4):289., DOI:10.4172/2161-0525.1000289

Khaled Bouchama, Rachid Rouabhi, Mohammed Reda Djebar: *Behavior of Phragmites australis (CAV.) Trin. Ex Steud used in phytoremediation of wastewater contaminated by cadmium*. Desalination and water treatment 03/2015; 57(12)., DOI:10.1080/19443994.2015.1022001

Rachid Rouabhi: *Nanotoxicity of iron oxide on development of chicken embryos in ovo*. Nanotoxicology 03/2015;

Kebieche M., Lakroun Z, Lahouel A, Zama D., Rouabhi R., Fetoui H.: *Preventive Role of quercetin against Non-enzymatic Peroxidation and Oxidative stressin Brain Mitochondria induced by Endosulfan in Rat*. International Journal of Earth Sciences 01/2015; 3(1).

ROUABHI R: *THE IMPACT OF TWO PESTICIDES DIFLUBENZURON AND FLUCYCLOXURON, ON A MICROALGAE Tetraselmis suecica*. Acta protozoologica 12/2014;

L. Meksem, Rachid Rouabhi, H. Djebar-Berrebbah: *The impact of propiconazole (Tilt 250 EC) on the growth and the breathing of hard wheat isolated roots (Triticum durum, GTA and Vitron varieties)*. African journal of agricultural research 12/2014;

K. BOUCHAMA, R. ROUABHI: *EFFECTS OF CADMIUM ON CHLOROPHYLL, LIPID AND GUAÏCOL PEROXIDASE ACTIVITY OF COMMON REED (Phragmites australis (CAV.) Trin. ex Steud)*. Environmental Pollution 04/2014; 4(1):46-50., DOI:10.9735/2249-1716.4.1

Issaad Ghozlene, Djebar Mohammed-Reda, Rouabhi Rachid, Berrebbah Houria: *ROS and Antioxidant System of Triticum durum after Water Stress*. Annual Review of Phytopathology 01/2014; 4(8):1241-1249., DOI:10.9734/ARRB/2014/5321

S Boussekine, N Bouzerna, R Rouabhi: *Protective effect of selenium supplementation on antioxidant defence and cardiovascular diseases in alloxan diabetic rats*. Journal of Bioscience and Bioengineering 01/2014; 4:1-10.

Rachid Rouabhi, Bouchiha Hanene, Bouchama Khaled, Berrebbah Houria, Djebar Mohamed Reda: *Impact of CdCl2 on hematological and biochemical parameters of rabbits Oryctolagus cuniculus and opposite effect of Ca2+.*. Indian journal of biochemistry 11/2013;

Rachid Rouabhi: *Opposite effects of Ca2+ on toxicity by CdCl2 on white blood cells (WBC), protein level and LD50 of rabbits Oryctolagus cuniculus*. Journal of Toxicology and Environmental Health 03/2013;, DOI:10.5897/JTEHS2013.0258

Boulassel Amina, Mohamed Djebar, Djebar Houria, rouabhi rachid: *Physiological and biochemical changes observed in alternative cellular model: Paramecuim tetraurelia treated with paracetamol*. Journal of Biosciences 01/2013; 3(9):132-141., DOI:10.12692/ijb/3.9.132-141

Yacine Djebar, Mouredine Guersi, Mohamed Tahar Kimour, Rouabhi Rachid: *SYSPL: A BASED GENERIC APPROACH FOR SOFTWARE PRODUCT LINE ENHANCED REUSABILITY*.

S Boussekine, N Bouzerna, R Rouabhi: *Protective effect of selenium supplementation on antioxidant defence and cardiovascular diseases in alloxan diabetic rats 2*. DOI:10.12692/ijb/4.5.1-10

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R Rachid, D -B Houria, D Mohammed-Réda: *Impact of Diflubenzuron on mortality level, biochemical parameters of embryonic (in ovo) and neo-hatched chicks of Gallus domesticus*. Indian Journal of Biotechnology 01/2013; 7(6-6):225-230.

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Sbartai Ibtissem, Berrebbah Houria, Rouabhi Rachid, Sbartai Hana, Djebar Mohammed Réd: *Induction of oxidative stress in a freshwater ciliated microorganism Paramecium sp., after treatment with Indoxacarb*.

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Bouaricha Houda, Grifi Fatiha, Berrebbah Houria, Tadjine Aicha, Rouabhi Rachid, Djebar Mohammed-Réda: *Toxic Effects of Acrolyc Denture Teeth Resin, Lucitone 119 on Animal Model: Rats Wistar*.

Bouchelaghem Sabrina, Djebar Mohammed-Réda, Rouabhi Rachid, Ramdani Kamel, Berrebbah Houria: *Correlation Between Changes in Biochemical Roots of Wheat (Triticum durum desf) and Stress Induced by Some Regimes Fertilizer NPK*.

H Sbartai, M R Djebar, R Rouabhi, I Sbartai, H Berrebbah: *Antioxidative Response in Tomato Plants Lycopersicon esculentum L. Roots and Leaves to Zinc*.

Rouabhi Rachid, H. Djebar-Berrebbah, M. R. Djebar: *Growth, Chitin and Respiratory Metabolism of Tetrahymena pyriformis Exposed to the Insecticide Novaluron*. Journal of Agricultural Biological and Environmental Statistics 12/2010;

SOUIKI L., DJEBAR H., ROUABHI R., FADEL D, DJEBAR M. R: *Biological Purification of Wastewater in Batch Culture: Process Technology Phragmifilter*. Toxicological Sciences 01/2010; 2:30 - 35.

Ali Chagra, Djebar Mohammed Réda, Rachid Rouabhi, Houria Berrebbah: *Cadmium Induced Changes in Metabolic Function of Mitochondrial Isolated from Potato Tissue (Solanum tuberosum L.)*. American Journal of Biochemistry and Biotechnology 08/2009; 5(1):35-39., DOI:10.3844/ajbb.2009.35.39

Rachid Rouabhi: *Relationship between Air Pollution Generated by Traffic Emissions and Cardiopulmonary Disease in Annaba (Algeria).*.

A. Rouabhia, Ch. Fehdi, F. Baali, L. Djabri, R. Rouabhi: *Impact of human activities on quality and geochemistry of groundwater in the Merdja area, Tebessa, Algeria*. Environmental Geology 02/2009; 56(7):1259-1268., DOI:10.1007/s00254-008-1225-0

Grara Nedjoud, Berrebbah Houria, Rouabhi Rachid, Atailia Amira, Djebar Mohammed Réda: *Impact of Pollution by Industrial Metallic Dust on Bio-Accumulator Organism Helix aspersa*. Global Veterinaria 01/2009; 3(4):276-280.

Sbartai Ibtissem, Berrebbah Houria, Rouabhi Rachid, Sbartai Hana, Guy Smagghe, Djebar Mohamed Reda: *Behavior of Paramecium Sp., Treated with Bifenazate with Special Emphasis on Respiratory Metabolism, Protein and Generation Time*.

Khaldi Fadil, Djebar Houria, Rouabhi Rachid, Djebar Mohammed Red: *Cellular Response of a Pollution Bioindicator Model (Ramalina farinacea) Following Treatment with Fertilizer (NPKs)*.

N Bouhafs, H Berrebbah, A Devaux, R Rouabhi, M R Djebar: *Micronucleus Induction in Erythrocytes of Tadpole Rana saharica (Green Frog of North Africa) Exposed to Artea 330EC.*.

Rachid Rouabhi, Djebar Houria, Djebar Mohamed Reda: *Effect of a pesticide the FCX on the embryonic development of Gallus domesticus.*. Biologia 07/2008; 5:117-118.

N. Hennouni, M R Djebar, R. Rouabhi, M. Youbi, H. Berrebbah: *Effects of Artea, a systemic fungicide, on the antioxidant system and the respiratory activity of durum wheat (Triticum durum L.)*. AFRICAN JOURNAL OF BIOTECHNOLOGY 03/2008;

R Rachid, B Houria, D Mohammed-Reda: *Survey of the physicochemical quality of the wastewaters of Biskra city rejected in Chabat Roba, Messdour and Wadi Z'ommor (Algeria)*.

Rouabhi Rachid, Djebar-Berrebbah Houria, Djebar Mohammed-Réda: *Impact of Flufenoxuron, an IGR pesticide on Gallus domesticus embryonic development in ovo*. European Journal of Cell Biology 01/2008;

Sbartai Han, Rouabhi Rachid, Sbartai Ibtissem, Berrebbah Houria, Djebar Mohammed-Réda: *Induction of anti-oxidative enzymes by cadmium stress in tomato (Lycopersicon esculentum)*.

Rachid Rouabhi: *Rouabhi, R. Impact de deux pesticides le Diflubenzuron et le Flucycloxuron sur trois modèles cellulaires alternatifs: Paramecium. sp, Tetrahymena pyriformis, Tetraselmissuccicaet sur le développement embryonnaire de la poule domestique (Gallus domesticus). Diss. Thèse doctorat, Option: Toxicologie Appliquée. Université Badji Mokhtar Annaba: 130 pages, 2007.*.

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