

Pr. Ghalem BACHIR RAHO

Process Engineering and solution chemistry laboratory

Biology department - Mascara university - Algeria

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SKILLS SUMMARY

- 21 years experience
- Biochemistry Teacher
- Pr in Applied biology

PROFESSIONAL EXPERIENCE

Biochemistry Teacher

Biology department, Mascara University, Algeria

1998-2019

RESEARCH AREA: Essential oils: chemical composition and their activities, Biochemistry, food sciences

Chapter in books

- **Bachir raho G** and Abouni B. **2015.** *Escherichia coli* and *Staphylococcus aureus* most common source of infection. A. Méndez-Vilas (Ed.). The Battle against Microbial Pathogens: Basic Science, Technological Advances and Educational Programs. <http://www.microbiology5.org/microbiology5/book/637-648.pdf>.
- **Bachir raho G.** **2017.** Essential Oils as Antimicrobial Agents Against Some Important Plant Pathogenic Bacteria and Fungi. Devendra K. Choudhary, Ajit Varma Narendra Tuteja Editors, Plant-Microbe Interaction: An Approach to Sustainable Agriculture 271-296, Springer Nature Singapore.
- **Bachir raho G.** **2017.** Antimicrobial activity of *Eucalyptus globulus* oils. A. Méndez-Vilas (Ed.). Antimicrobial Research: Novel bioknowledge and educational programs. <http://www.microbiology6.org/>

Publications

1. **Bachir Raho G**, Boudali T, Seddiki A. 2019. Antifungal Properties of Some Commercial Extracts against *Candida albicans*. American Journal of Plant Biology, 4(3): 24-27.
2. **Bachir Raho G**, Boudali T, Seddiki A. 2019. The antibacterial activity of five commercial plant extracts against *Staphylococcus aureus* and *Escherichia coli*. International Journal of Medicine Sciences. 2(1): 15-18.
3. **Bachir Raho G**, Boudali T, Seddiki A. 2019. Antifungal Activities of five commercial extracts against *Alternaria alternata*. Asian journal of biotechnology. Accepted for publication.
4. **Bachir raho G**, Bevilacqua A, Corbo MR, Sinigaglia M, Pignatiello S. 2018. Antifungal Properties of Some Essential Oils against *Saccharomyces cerevisiae*. Curr Tr Biotech & Microbio 1(1): 8-11.

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5. **Ghalem BR**, Zouaoui B. 2018. Antibacterial activity of diethyl ether and chloroform extracts of seaweeds against *Escherichia coli* and *Staphylococcus aureus*. *Int J Avian & Wildlife Biol.* 3(4): 310–313.
6. **Bachir Raho Ghalem**. 2018. Antimicrobial Activities of Some Medicated Soaps Used By Mascara City Residents in Algeria. *Scholars International Journal of Traditional and Complementary Medicine.* 1(1): 18-21.
7. Benattouche Z, Bouhadi D, **Bachir Raho G**. 2018. Antioxidant and antibacterial activities of exopolysaccharides produced by lactic acid bacteria isolated from yogurt. *International Journal of Food Studies*, 7: 30-37.
8. **Bachir Raho Ghalem**, Bellil Ali. 2017. Preliminary Phytochemical Screening of Five Commercial Essential Oils, *World Journal of Applied Chemistry.* 2 (4): 145-151.
9. Benattouche Z, **Bachir raho G**. 2017. The Phenolic Contents and Antimicrobial Activities of Some Marine Algae from the Mediterranean Sea (Algeria). *Russian Journal of Marine Biology*, 43(6): 491–495.
10. **Bachir raho G**. 2017. Antioxidant and Antimicrobial Activities of Exopolysaccharides from Yoghurt Starter. *Advances in Biochemistry.* 5(5): 97-101.
11. **Bachir Raho G**, Otsmane M and Sebaa F. 2017. Antimicrobial activity of essential oils of *Juniperus phoenicea* from North Western Algeria. *Journal of Medicinal Botany*, 1: 01-07.
12. **Bachir Raho G**. 2017. Evaluation of antibacterial activity of essential oil from Algerian *Pistacia lentiscus* resin. *Journal of Medicinal Botany*, 1: 08-14.
13. Benattouche Z, **Bachir raho G**, Sahnouni F, Hariri A, Bouhadi D and Benchohra M. 2017. Antioxidant activities of sulfated polysaccharide obtained from red algae *Corallina officinalis*. *International Journal of Pharmacognosy*, 4(3): 88-91.
14. Boualem SA, Benabdeli K, Bouhadi Djilali, **Raho Bachir G** and Elouissi A. 2017. Comparative Study of The Emergence and Growth of Young Seedlings of Five Varieties of Pistachio (*Pistacia vera* L.) of Syrian Origin. *J. Appl. Environ. Biol. Sci.*, 7(3)157-165.
15. Nair S and **Raho GB**. 2017. Evaluation of antioxidant properties of Propolis collected in North-West of Algeria, *International Journal of Biology, Pharmacy and Allied Sciences*, 6(3): 494-503.
16. **Bachir Raho G**, Otsmane M, Sebaa F. 2016. Antioxidant Capacity of Essential Oils of Two Juniperus Species from Northwest of Algeria. *European Journal of Biophysics.* 4(6): 67-70.
17. **Bachir raho G**, Benattouche Z, Bevilacqua A, Corbo MR, Sinigaglia M, Pignatiello S. 2016. Antimicrobial Activity of Extracts from *Salvia officinalis* L on some Bacteria and Yeast. *Journal of Biotechnology Research*, 2(5): 31-35.
18. Benattouche Z, **Bachir raho G**, Bouhadi D, Sahnouni F. 2016. Characterization of Partially Purified Extracellular Thermostable Invertase by Streptococcus sp Isolated from the Date. *Bull. Env. Pharmacol. Life Sci*, 5 (9): 65-72.
19. Benattouche Z, **Bachir raho G**, Sahnouni F, Bouhadi D. 2016. Optimization, purification and characterization of invertase by Pseudomonas sp, isolated from the cane molasse. *Int. J. Biosci.* 9 (1): 349-356.
20. Bouhadi D, **Bachir raho G**, Hariri A, Benattouche Z, Ould Yerou K, Sahnouni F. 2016. Utilization of The Extract of Pulp of Carob for Lactic Acid Production by *Streptococcus thermophilus*. *Electronic Journal of Biology*, 12(2): 90-95.

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21. Bouhadi D, **Bachir raho G**, Hariri A, Benattouche Z, Sahnouni F, Ould Yerou K, Boualem SA. 2016. Utilization of Date juice for the Production of Lactic Acid by *Streptococcus thermophilus*. Journal of Scientific and Engineering Research, 3(6): 81-85.
22. Bouzidi N, Mederbal K, **Bachir raho G**. 2016. Antioxidant Activity of Essential Oil of *Artemisia herba alba*. Journal of Applied Environmental and Biological Sciences, 6(5): 59-65.
23. Hariri A, Ouis N, **Bachir raho G**, Benattouche Z, Bouhadi D. 2016. Effect of Total or Partial Substitution of Cacao and Sucrose by Date Powders Variety H'lowa on the Some Quality of Dairy Creamed Dessert. Journal of Applied Environmental and Biological Sciences, 6(7): 100-108.
24. **Bachir raho G**. 2015. Antibacterial activity of the resin oil of *Pistacia atlantica* Desf., against clinical isolates of *Streptococcus pyogenes*, *Afr. j. pharm. biol. med. Sci.*, 2(3): 88-99.
25. **Bachir raho G**, Benattouche Z, Bevilacqua A, Corbo MR, Sinigaglia M, Pignatiello S. 2015. Antifungal Properties of Some Essential Oils against *Zygosaccharomyces bailii*. Advances in Pharmacognosy and Phytomedicine, 1(1): 41-48.
26. **Bachir raho G** and Halima N. 2015. Antibacterial and Antioxidant Activities of Essential Oil of *Inula Viscosa* L. from Northwest of Algeria. Advances in Pharmacognosy and Phytomedicine, 1(1): 10-16.
27. **Bachir raho G**, Benattouche Z, Bevilacqua A, Corbo MR, Sinigaglia M, Pignatiello S. 2015. Inhibitory Effects of *Echinacea Angustifolia* Essential Oils on the Growth of Five Pathogenic Organisms: Coliform Spp, Pseudomonas Spp, *Saccharomyces Cerevisiae*, *Zygosaccharomyces Bailii* and *Lactobacillus Plantarum*. International Journal of Advanced Research in Botany (IJARB), 1(1): 10-14.
28. **Bachir raho G** and Benattouche Z. 2015. Antibacterial activity in marine algae from the coast of Mostaganem - Istidia, Algeria. Bulletin de l'Institut National des Sciences de la Mer (INSTM Salammbou). Actes du IXème Congrès Maghrébin des Sciences de la Mer Sousse, Numéro Spécial (18): 84-88.
29. **Bachir raho G**. 2014. Effect of Essential Oils of *Artemisia arborescens* on *Escherichia coli*, *Staphylococcus aureus* and *Pseudomonas aeruginosa*, Journal of Plant Sciences. Special Issue: Pharmacological and Biological Investigation of Medicinal Plants. 2(6-1): 1-4.
30. **Bachir raho G**, Benattouche Z, Bevilacqua A, Corbo MR, Sinigaglia M, Pignatiello S. 2014. In Vitro Susceptibility of Coliform and Pseudomonas Species to Some Antibiotics by E-test Strips. General Health and Medical Sciences, 1(2): 27-29.
31. **Bachir raho G**, Benattouche Z, Bevilacqua A, Corbo MR, Sinigaglia M, Pignatiello S. 2014. Screening of Antimicrobial Activity of Essential Oil of *Thymus vulgaris* on some pathogens. Journal of Diseases, 1(1): 1-5.
32. **Bachir raho G**, Benattouche Z, Bevilacqua A, Corbo MR, Sinigaglia M, Pignatiello S. 2014. In vitro Antimicrobial Activities of Essential Oils from *Rosmarinus officinalis* on some pathogens. J. of Bio. Pharm. And Chemical Research, 1(1): 150-153.
33. **Bachir raho G**. 2014. Antibacterial potential of essential oils of the needles of *Pinus halepensis* against *Staphylococcus aureus* and *Escherichia coli*. Journal of Coastal Life Medicine, 2(8): 651-655.
34. **Bachir raho G** and Benali M. 2014. Antibacterial activity of essential oil of North West Algerian *Eucalyptus camaldulensis* against *Escherichia coli* and *Staphylococcus aureus*. Journal of Coastal Life Medicine, 2(10): 799-804.

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Membre du comité scientifique dans des manifestations internationales

- 5th International Meeting on Traditional & Alternative Medicine. Rome, Italy April 23-24, 2019. <https://eureka-science.com/Partneringconferences/Traditionalmedicine/ocm.php>
- International Conference on Plant Science Technology & Molecular Biology, Valencia, Spain. May 23-25, 2019. <https://plantscienceconferenceauroragroup.com/scientific-committee.php>.
- International Conference on Biomedical and Cancer Research (SciTech Biomed-Cancer Sciences 2019). October 16-17, at Hotel Sunroute Plaza Shinjuku, Tokyo, Japan. <https://www.scitcentralconferences.com/experts/international-conference-on-biomedical-andcancer-research>

Communications internationales

Bachir raho G, Hakem O, Seddiki A. Preliminary Phytochemical Screening of *Cinnamomum zeylanicum* Commercial Extract. International Aromatic Plants and Costmetics Symposium, Iğdır University, Turkey, October 3rd-6th, 2019.

Seddiki A, **Bachir raho G**, Hakem O. Determination of Total Phenol, Flavonoid and Tannin in *Thymus vulgaris* Extracts. International Aromatic Plants and Costmetics Symposium, Iğdır University, Turkey, October 3rd-6th, 2019.

Hakem O, **Bachir raho G**, Seddiki A. Phytochemical Constituent of Commercial *Origanum majorana* Extract. International Aromatic Plants and Costmetics Symposium, Iğdır University, Turkey, October 3rd-6th, 2019.

Bachir raho ghalem. Antimicrobial Effect of Essential Oil Isolated From *Eucalyptus globulus* International Conference on Plant Science Technology & Molecular Biology, Valencia, Spain May 23-25, 2019.

Bachir raho ghalem and Bellil Ali. Preliminary phytochemical screening of five commercial essential oils. 5th International Meeting on Traditional & Alternative Medicine. Rome, Italy April 23- 24, 2019.

Bachir raho ghalem . Screening de la composition phytochimique de cinq huiles essentielles commercialisées dans le marché algérien. 7 èmes Journées Scientifiques de l'Agroalimentaire Hammamet, Tunisie. 17 au 20 Mars 2019.

Bachir Raho G, Bevilacqua A, Corbo MR, Sinigaglia M, Pignatiello S . Antifungal Properties of Some Essential Oils against *Saccharomyces Cerevisiae*. International Balkan and Near Eastern Social Sciences Congress Series IX. IBANESS Congress Series- Edirne /TURKEY. September 29-30, 2018.

Bachir raho ghalem . Antimicrobial activities of some Medicated Soaps used by Mascara city Residents in Algeria. International Balkan and Near Eastern Social Sciences Congress Series IX. IBANESS Congress Series- Edirne /TURKEY. September 29-30, 2018.

Bachir raho ghalem and Bellil Ali. Contribution à l'étude spectrale et chromatographique d'un colorant naturel extrait d'une pâte d'olive. Premier Séminaire International des Biotechnologies appliquées à l'agriculture, la santé et l'environnement, Université Abbes Laghrour, Khenchela. 17-19 Avril 2016.

Bachir raho ghalem et Banattouche Zouaoui. Détermination de la teneur en composés phénoliques des extraits de trois algues marines. Séminaire International des Biotechnologies appliquées à l'agriculture, la santé et l'environnement, Université Abbes Laghrour, Khenchela. 17-19 Avril 2016.

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Boualem SA, Benabdeli K, Bouhadi Djilali, **Raho Bachir G** and Elouissi A. Caractérisation biométrique et biochimique des variétés de pistachier fruitier d'origine syrienne cultivées dans la région de Mascara (Algérie occidentale). Séminaire International des Biotechnologies appliquées à l'agriculture, la santé et l'environnement, Université Abbes Laghrour, Khenchela. 17-19 Avril 2016.