

Henrique Douglas Melo Coutinho
Curriculum Vitae

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Curriculum Vitae

NAME

Nome Henrique Douglas Melo Coutinho

AFFILIATION Universidade Regional do Cariri, Centro de Ciências Biológicas e da Saúde - CCBS
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ACADEMIC TITLES

2006 - 2008 Doutorado em Produtos Naturais e Sintéticos Bioativos (PhD in Bioactive Natural and Synthetic Products)
Universidade Federal da Paraíba, UFPB, Joao Pessoa, Brasil

1997 - 1999 Mestrado em Genética. (MSc. In Genetics)
Universidade Federal da Paraíba, UFPB, Joao Pessoa, Brasil

1991 - 1996 Graduação em Ciências Biológicas. (BSc in Biological Sciences)
Universidade Federal da Paraíba, UFPB, Joao Pessoa, Brasil

Post Doc

2011 - 2012 Post Doc
Universidade Federal do Ceará, UFC, Fortaleza, Brasil

PROFESSIONAL INFORMATIONS

1. Universidade Regional do Cariri - URCA

1998 - Today Professor and researcher

Research

1. MOLECULAR ANALYSIS AND GENETICS OF THE ANTIBIOTIC RESITANCE MECHANISMS
 2. EVALUATION OF THE INTRINSIC AND ASSOCIATED ANTIMICROBIAL ACTIVITIES OF NATURAL PRODUCTS
 3. ECOLOGY OF OSIL MICRORGANISMS
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REVIEWING ACTIVITES

1. **International Journal of Molecular Sciences (Online)**

2. **SAMJ. South African Medical Journal**

3. **Medicinal Chemistry Research**

4. **BMC Complementary and Alternative Medicine (Online)**

5. **Yonsei Medical Journal (Print)**

6. **Mini - Reviews in Medicinal Chemistry**

7. **Applied Biochemistry and Biotechnology**

8. **Iranian Journal of Pharmacology & Therapeutics**

9. **Toxicology in Vitro**

10. **Pharmaceutical Biology**

11. **REvista Brasileira de Ciências Agrárias**

EDITORIAL BOARD

1. **Ethnobiology & Conservation**

2012 - Today

2. **Journal Of Biologically Active Products From Nature**

2010 - Today

PUBLICATIONS (2018 – TODAY)

1. DE O. GOMES, HIAGO; MENEZES, JORGE MARCELL C.; DA COSTA, JOSÉ GALBERTO M.; **COUTINHO, HENRIQUE DOUGLAS M.**; TEIXEIRA, RAIMUNDO NONATO P.; DO NASCIMENTO, RONALDO F.

A socio-environmental perspective on pesticide use and food production. ECOTOXICOLOGY AND ENVIRONMENTAL SAFETY. , v.197, p.110627 - 110631, 2020.

2. SANTOS, FRANZ DE ASSIS GRACIANO DOS; LEITE-ANDRADE, MELYNIA CHAVES; BRANDÃO, ILDNAY DE SOUSA; ALVES, ADRYELLE IDALINA DA SILVA; BUONAFINA, MARIA DANIELA SILVA; NUNES, MICHELLANGELO; ARAÚJO-NETO, LUIZ NASCIMENTO DE; FREITAS, MARIA AUDILENE DE; BRAYNER, FÁBIO ANDRÉ; ALVES, LUIZ CARLOS; **COUTINHO, HENRIQUE DOUGLAS MELO**; NEVES, REJANE PEREIRA

Anti-biofilm effect by the combined action of fluconazole and acetylsalicylic acid against species of *Candida parapsilosis* complex. *INFECTION GENETICS AND EVOLUTION.* , v.84, p.104378 - 104384, 2020.

3. BEZERRA, JOSÉ WEVERTON ALMEIDA; RODRIGUES, FELICIDADE CAROLINE; PEREIRA DA CRUZ, RAFAEL; SILVA, LUIZ EVERSON DA; DO AMARAL, WANDERLEI; ANDRADE REBELO, RICARDO; BEGNINI, IEDA MARIA; FONSECA BEZERRA, CAMILA; IRITI, MARCELLO; VARONI, ELENA MARIA; **MELO COUTINHO, HENRIQUE DOUGLAS**; BEZERRA MORAIS-BRAGA, MARIA FLAVIANA

Antibiotic Potential and Chemical Composition of the Essential Oil of *Piper caldense* C. DC. (Piperaceae). *Applied Sciences-Basel.* , v.10, p.631 - 431, 2020.

4. RAMOS, ANDREZA GUEDES BARBOSA; DE MENEZES, IRWIN ROSE ALENCAR; DA SILVA, MARIA SANÁDIA ALEXANDRE; TORRES PESSOA, RENATA; DE LACERDA NETO, LUIZ JARDELINO; ROCHA SANTOS PASSOS, FABIOLA; **MELO COUTINHO, HENRIQUE DOUGLAS**; IRITI, MARCELLO; QUINTANS-JÚNIOR, LUCINDO JOSÉ

Antiedematogenic and Anti-Inflammatory Activity of the Monoterpene Isopulegol and Its β -Cyclodextrin (β -CD) Inclusion Complex in Animal Inflammation Models. *Foods.* , v.9, p.630 - 645, 2020.

5. OLIVEIRA BRITO PEREIRA BEZERRA MARTINS, ANITA; WANDERLEY, ALMIR GONÇALVES; ALCÂNTARA, ISABEL SOUSA; RODRIGUES, LINDAIANE BEZERRA; CESÁRIO, FRANCISCO RAFAEL ALVES SANTANA; CORREIA DE OLIVEIRA, MARIA RAYANE; CASTRO, FAYAMA FERREIRA E; ALBUQUERQUE, THAÍS RODRIGUES DE; DA SILVA, MARIA SANADIA ALEXANDRE; RIBEIRO-FILHO, JAIME; **COUTINHO, HENRIQUE DOUGLAS MELO**; MENEZES, PAULA PASSOS; QUINTANS-JÚNIOR, LUCINDO JOSÉ; ARAÚJO, ADRIANO ANTUNES DE SOUZA; IRITI, MARCELLO; ALMEIDA, JACKSON ROBERTO GUEDES DA SILVA; MENEZES, IRWIN ROSE ALENCAR DE

Anti-Inflammatory and Physicochemical Characterization of the *Croton rhamnifolioides* Essential Oil Inclusion Complex in β -Cyclodextrin. *BIOLOGY.* , v.9, p.114 - 138, 2020.

6. SALEHI, BAHARE; GÜLTEKIN-ÖZGÜVEN, MINE; KIRKIN, CELALE; ÖZÇELİK, BERAAT; MORAIS-BRAGA, MARIA FLAVIANA BEZERRA; CARNEIRO, JOARA NALYDA PEREIRA; BEZERRA, CAMILA FONSECA; SILVA, TERESINHA GONÇALVES DA; **COUTINHO, HENRIQUE DOUGLAS MELO**; AMINA, BENABDALLAH; ARMSTRONG, LORENE; SELAMOĞLU, ZELIHA; SEVINDIK, MUSTAFA; YOUSAF, ZUBAIDA; SHARIFI-RAD, JAVAD; MUDDATHIR, ALI MAHMOUD; DEVKOTA, HARI PRASAD; MARTORELL, MIQUEL; JUGRAN, ARUN KUMAR; CHO, WILLIAM C.; MARTINS, NATÁLIA

Antioxidant, Antimicrobial, and Anticancer Effects of *Anacardium* Plants: An Ethnopharmacological Perspective. *Frontiers in Endocrinology.* , v.11, p.1 - 16, 2020.

7. REZENDE-JÚNIOR, LUÍS MÁRIO; ANDRADE, LEILA MARIA DE SOUSA; LEAL, ANTONIO LINKOLN ALVES BORGES; MESQUITA, AVILNETE BELEM DE SOUZA; SANTOS, ANA LURDES PORTELA DE ARAÚJO DOS; NETO, JOSÉ DE SOUSA LIMA; SIQUEIRA-JÚNIOR, JOSÉ PINTO; NOGUEIRA, CARLOS EMÍDIO SAMPAIO; KAATZ, GLENN WILLIAM; **COUTINHO, HENRIQUE DOUGLAS MELO**; MARTINS, NATÁLIA; DA ROCHA, CLÁUDIA QUINTINO; Barreto, Humberto Medeiros

Chalcones Isolated from *Arrabidaea brachypoda* Flowers as Inhibitors of NorA and MepA Multidrug Efflux Pumps of *Staphylococcus aureus*. *ANTIBIOTICS-BASEL.* , v.9, p.351 - 362, 2020.

8. FREITAS, PRISCILLA RAMOS; DE ARAÚJO, ANA CAROLINA JUSTINO; DOS SANTOS BARBOSA, CRISTINA RODRIGUES; MUNIZ, DEBORA FEITOSA; ROCHA, JANAINA ESMERALDO; DE ARAÚJO NETO, JOSÉ BEZERRA; DA SILVA, MARIA MILENE COSTA; SILVA PEREIRA, RAIMUNDO LUIZ; DA SILVA, LUIZ EVERSON; DO AMARAL, WANDERLEI; DESCHAMPS, CICERO; RELISON TINTINO, SAULO; RIBEIRO-FILHO, JAIME; **COUTINHO, HENRIQUE DOUGLAS MELO**

Characterization and antibacterial activity of the essential oil obtained from the leaves of *Baccharis coridifolia* DC against multiresistant strains. *MICROBIAL PATHOGENESIS.* , v.145, p.104223 - 104227, 2020.

9. ANTUNES, J.A.; DE TOLEDO, T.A.; DA SILVA, L.E.; FREIRE, P.T.C.; TEIXEIRA, A.M.R.; **Coutinho, H.D.M.**; FARIA, J.L.B.; RAMOS, R.J.; BENTO, R.R.F.

Characterization of zinc complex with 4-[(1E)-(2-Hydroxyphenyl)methylidene]amino-1,5-dimethyl-2-phenyl-1,2-dihydro-3H-pyrazol-3-one by FT-IR and FT-Raman spectroscopies and DFT calculations. JOURNAL OF MOLECULAR STRUCTURE. , v.1202, p.127295 - 127302, 2020.

10. HEIMFARTH, LUANA; DOS ANJOS, KLÉCIA SANTOS; DE CARVALHO, YASMIM MARIA BARBOSA GOMES; DOS SANTOS, BRUNO LUCENA; SERAFINI, MAIRIM RUSSO; DE CARVALHO NETO, ANTÔNIO GUILHERME; NUNES, PAULA SANTOS; BESERRA FILHO, JOSÉ IVO ARAÚJO; DA SILVA, SARA PEREIRA; RIBEIRO, ALESSANDRA MUSSI; BEZERRA, DANIEL PEREIRA; MARRETO, RICARDO NEVES; DE SOUZA SIQUEIRA QUINTANS, JULLYANA; DE SOUZA ARAÚJO, ADRIANO ANTUNES; **MELO COUTINHO, HENRIQUE DOUGLAS**; SCOTTI, MARCUS T.; SCOTTI, LUCIANA; QUINTANS-JÚNIOR, LUCINDO JOSÉ

Characterization of β -cyclodextrin/myrtenol complex and its protective effect against nociceptive behavior and cognitive impairment in a chronic musculoskeletal pain model. CARBOHYDRATE POLYMERS. , v.244, p.116448 - 116459, 2020.

11. QUINTANS-JÚNIOR, LUCINDO J.; GANDHI, SATHIYABAMA R.; PASSOS, FABIOLLA R.SANTOS; HEIMFARTH, LUANA; PEREIRA, ERIK W.MENEZES; MONTEIRO, BRENDA S.; DOS SANTOS, KATIELEN SILVANA; DUARTE, MARCELO CAVALCANTE; ABREU, LUCAS SILVA; NASCIMENTO, YURI M.; TAVARES, JOSEAN F.; SILVA, MARCELO S.; Menezes, Irwin R.A.; **Coutinho, Henrique D.M.**; LIMA, ÁDLEY A.N.; ZENGIN, GOKHAN; QUINTANS, JULLYANA S.S.

Dereplication and quantification of the ethanol extract of *Miconia albicans* (Melastomaceae) by HPLC-DAD-ESI/MS/MS, and assessment of its anti-hyperalgesic and anti-inflammatory profiles in a mice arthritis-like model: Evidence for involvement of TNF- α , IL-1 β and IL-6. JOURNAL OF ETHNOPHARMACOLOGY. , v.258, p.112938 - 112947, 2020.

12. SANTOS, VALDENICE F.; ARAÚJO, ANA C.J.; SILVA, ANA L.F.; ALMEIDA, DNANE V.; FREITAS, PRISCILLA R.; SANTOS, ANA L.E.; ROCHA, BRUNO A.M.; GARCIA, WANIUS; LEME, ALA M.; BONDAN, EDUARDO; BORGES, FERNANDA T.; CUTRIM, BRENDA S.; SILVA, LUIS C.N.; **Coutinho, Henrique D.M.**; TEIXEIRA, CLAUDENER S.

Dioclea violacea lectin modulates the gentamicin activity against multi-resistant strains and induces nephroprotection during antibiotic exposure. INTERNATIONAL JOURNAL OF BIOLOGICAL MACROMOLECULES. , v.146, p.841 - 852, 2020.

13. OLIVEIRA-TINTINO, CÍCERA DATIANE DE MORAIS; TINTINO, SAULO RELISON; MUNIZ, DÉBORA FEITOSA; BARBOSA, CRISTINA RODRIGUES DOS SANTOS; PEREIRA, RAIMUNDO LUIZ SILVA; BEGNINI, IÊDA MARIA; REBELO, RICARDO ANDRADE; DA SILVA, LUIZ EVERSON; MIRESKI, SANDRO LUCIO; NASATO, MICHELE CAROLINE; LACOWICZ KRAUTLER, MARIA ISABEL; PEREIRA, PEDRO SILVINO; TEIXEIRA, ALEXANDRE MAGNO RODRIGUES; DE MENEZES, IRWIN ROSE ALENCAR; **COUTINHO, HENRIQUE DOUGLAS MELO**; SILVA, TERESINHA GONÇALVES DA

Do 1,8-naphthyridine sulfonamides possess an inhibitory action against Tet(K) and MsrA efflux pumps in multiresistant *Staphylococcus aureus* strains?. MICROBIAL PATHOGENESIS. , v.147, p.104268 - 104272, 2020.

14. FIGUEREDO, FERNANDO GOMES.; RAMOS, INGRID T.L.; PAZ, JOSINETE A.; SILVA, TANIA M.S.; CÂMARA, CELSO A.; DE MORAIS OLIVEIRA-TINTINO, CÍCERA DATIANE; TINTINO, SAULO RELISON; DE FARIAS, PABLO ANTÔNIO MAIA; MENEZES, IRWIN ROSE ALENCAR DE; **COUTINHO, HENRIQUE DOUGLAS MELO**; FONTELES, MARTA MARIA DE F.

Effect of hydroxyamines derived from lapachol and norlachol against *Staphylococcus aureus* strains carrying the NorA efflux pump. INFECTION GENETICS AND EVOLUTION. , v.84, p.104370 - 104376, 2020.

15. Tintino, Saulo R.; SOUZA, VERUSKA C. A. DE; SILVA, JULIA M. A. DA; OLIVEIRA-TINTINO, CÍCERA DATIANE DE M.; PEREIRA, PEDRO S.; LEAL-BALBINO, TEREZA C.; PEREIRA-NEVES, ANTONIO; SIQUEIRA-JUNIOR, JOSÉ P.; DA COSTA, JOSÉ G. M.; Rodrigues, Fabíola F. G.; Menezes, Irwin R. A.; DA HORA, GABRIEL C. A.; LIMA, MARIA C. P.; **Coutinho, Henrique D. M.**; BALBINO, VALDIR Q.

Effect of Vitamin K3 Inhibiting the Function of NorA Efflux Pump and Its Gene Expression on *Staphylococcus aureus*. Membranes. , v.10, p.130 - 147, 2020.

16. PEREIRA DA CRUZ, RAFAEL; SAMPAIO DE FREITAS, THIAGO; DO SOCORRO COSTA, MARIA; LUCAS DOS SANTOS, ANTONIA THASSYA; FERREIRA CAMPINA, FÁBIA; PEREIRA, RAIMUNDO LUIZ

SILVA; BEZERRA, JOSÉ WEVERTON ALMEIDA; QUINTANS-JÚNIOR, LUCINDO JOSÉ; DE SOUZA ARAÚJO, ADRIANO ANTUNES; DE SIQUEIRA JÚNIOR, JOSÉ PINTO; IRITI, MARCELLO; VARONI, ELENA MARIA; DE MENEZES, IRWIN ROSE ALENCAR; **MELO COUTINHO, HENRIQUE DOUGLAS**; BEZERRA MORAIS-BRAGA, MARIA FLAVIANA

Effect of γ -Bisabolol and Its β -Cyclodextrin Complex as TetK and NorA Efflux Pump Inhibitors in *Staphylococcus aureus* Strains. *ANTIBIOTICS-BASEL.* , v.9, p.28 - 35, 2020.

17. J. DE ARAÚJO, ANA C.; R. FREITAS, PRISCILLA; RODRIGUES DOS SANTOS BARBOSA, CRISTINA; MUNIZ, DÉBORA F.; ESMERALDO ROCHA, JANAÍNA; NETO, JOSÉ B. DE ARAÚJO; C. DA SILVA, MARIA M.; MOURA, TALYSSON F.; PEREIRA, RAIMUNDO L. S.; RIBEIRO-FILHO, JAIME; SILVA, LUIZ E. DA; DO AMARAL, WANDERLEI; DESCHAMPS, CÍCERO; Tintino, Saulo R.; IRITI, MARCELLO; VITALINI, SARA; **MELO COUTINHO, HENRIQUE D.**

Essential Oil of *Croton ceanothifolius* Baill. Potentiates the Effect of Antibiotics against Multiresistant Bacteria. *ANTIBIOTICS-BASEL.* , v.9, p.27 - 34, 2020.

18. GOMES, HIAGO DE O.; MENEZES, JORGE MARCELL C.; DA COSTA, JOSÉ GALBERTO M.; **COUTINHO, HENRIQUE DOUGLAS M.**; TEIXEIRA, RAIMUNDO NONATO P.; DO NASCIMENTO, RONALDO F.

Evaluating the presence of pesticides in bananas: An integrative review. *ECOTOXICOLOGY AND ENVIRONMENTAL SAFETY.* , v.189, p.110016 - 110021, 2020.

19. CRUZ, BEATRIZ G.; DOS SANTOS, HÉLCIO S.; BANDEIRA, PAULO N.; RODRIGUES, TIGRESSA HELENA S.; MATOS, MARIA GEYSILLENE C.; NASCIMENTO, MARIANA F.; DE CARVALHO, GUILHERME G.C.; BRAZ-FILHO, RAIMUNDO; TEIXEIRA, ALEXANDRE M.R.; Tintino, Saulo R.; **Coutinho, Henrique D.M.**

Evaluation of antibacterial and enhancement of antibiotic action by the flavonoid kaempferol 7-O- β -D-(6-O-cumaroyl)-glucopyranoside isolated from *Croton plauhiensis* müll. *MICROBIAL PATHOGENESIS.* , v.143, p.104144 - 104149, 2020.

20. SOUSA SILVEIRA, ZILDENE DE; MACÊDO, NAIR SILVA; SAMPAIO DOS SANTOS, JOYCY FRANCELY; SAMPAIO DE FREITAS, THIAGO; RODRIGUES DOS SANTOS BARBOSA, CRISTINA; JÚNIOR, DÁRCIO LUIZ DE SOUSA; MUNIZ, DÉBORA FEITOSA; CASTRO DE OLIVEIRA, LÍGIA CLAUDIA; JÚNIOR, JOSÉ PINTO SIQUEIRA; CUNHA, FRANCISCO ASSIS BEZERRA DA; **MELO COUTINHO, HENRIQUE DOUGLAS**; BALBINO, VALDIR QUEIROZ; MARTINS, NATÁLIA

Evaluation of the Antibacterial Activity and Efflux Pump Reversal of Thymol and Carvacrol against *Staphylococcus aureus* and Their Toxicity in *Drosophila melanogaster*. *MOLECULES.* , v.25, p.2103 - 2112, 2020.

21. COSTA, MARIA DO SOCORRO; ARAÚJO, NARA JULIANA SANTOS; FREITAS, THIAGO SAMPAIO DE; CUNHA, FRANCISCO ASSIS BEZERRA DA; AMARAL, WANDERLEI DO; DESCHAMPS, CÍCERO; CONFORTIN, CAMILA; EVERSON DA SILVA, LUIZ; **COUTINHO, HENRIQUE DOUGLAS MELO**

GC-FID Analysis and Antibacterial Activity of the *Calyptanthus concinna* Essential Oil against MDR Bacterial Strains. *Separations.* , v.7, p.10 - 17, 2020.

22. CARNEIRO, JOARA NÁLYDA PEREIRA; DA CRUZ, RAFAEL PEREIRA; CAMPINA, FÁBIA FERREIRA; COSTA, MARIA DO SOCORRO; DOS SANTOS, ANTONIA THASSYA LUCAS; SALES, DÉBORA LIMA; BEZERRA, CAMILA FONSECA; DA SILVA, LUIZ EVERSON; DE ARAUJO, JENIFER PRISCILA; DO AMARAL, WANDERLEI; REBELO, RICARDO ANDRADE; BEGNINI, IEDA MARIA; DE LIMA, LUCIENE FERREIRA; **MELO COUTINHO, HENRIQUE DOUGLAS**; BEZERRA MORAIS-BRAGA, MARIA FLAVIANA

GC/MS analysis and antimicrobial activity of the *Piper mikanianum* (Kunth) Steud. essential oil. *FOOD AND CHEMICAL TOXICOLOGY.* , v.135, p.110987 - 110994, 2020.

23. UCHÔA LOPES, CRISTIANE MARINHO; SATURNINO DE OLIVEIRA, JOÃO RICARDHIS; HOLANDA, VANDERLAN NOGUEIRA; RODRIGUES, ANTONIO YONY FELIPE; MARTINS DA FONSECA, CAÍQUE SILVEIRA; GALVÃO RODRIGUES, FÁBIO FERNANDES; CAMILO, CICERA JANAINÉ; LIMA, VERA LUCIA DE MENEZES; **COUTINHO, HENRIQUE DOUGLAS MELO**; KOWALSKI, RADOS'AW; DA COSTA, JOSÉ GALBERTO MARTINS

GC-MS Analysis and Hemolytic, Antipyretic and Antidiarrheal Potential of *Syzygium aromaticum* (Clove) Essential Oil. *Separations.* , v.7, p.35 - 46, 2020.

24. ALMEIDA, RAY S.; FREITAS, PRISCILLA R.; ARAÚJO, ANA CAROLINA J.; ALENCAR MENEZES, IRWIN R.; SANTOS, EDUARDO L.; Tintino, Saulo R.; MOURA, TALYSSON F.; FILHO, JAIME R.; FERREIRA, VITÓRIA A.; SILVA, ANA CRISTINA A.; SILVA, LUIZ E.; DO AMARAL, WANDERLEI; DESCHAMPS, CÍCERO; IRITI, MARCELLO; **MELO COUTINHO, HENRIQUE D.**

GC-MS Profile and Enhancement of Antibiotic Activity by the Essential Oil of *Ocotea odorifera* and *Safrole*: Inhibition of *Staphylococcus aureus* Efflux Pumps. *ANTIBIOTICS-BASEL.* , v.9, p.247 - 261, 2020.

25. FREITAS, PRISCILLA RAMOS; DE ARAÚJO, ANA CAROLINA JUSTINO; DOS SANTOS BARBOSA, CRISTINA RODRIGUES; MUNIZ, DÉBORA FEITOSA; DA SILVA, ANA CRISTINA ALBUQUERQUE; ROCHA, JANAÍNA ESMERALDO; DE MORAIS OLIVEIRA-TINTINO, CÍCERA DATIANE; RIBEIRO-FILHO, JAIME; DA SILVA, LUIZ EVERSON; CONFORTIN, CAMILA; DO AMARAL, WANDERLEI; DESCHAMPS, CÍCERO; BARBOSA-FILHO, JOSÉ MARIA; DE LIMA, NATANAEL TELES RAMOS; TINTINO, SAULO RELISON; **MELO COUTINHO, HENRIQUE DOUGLAS**

GC-MS-FID and potentiation of the antibiotic activity of the essential oil of *Baccharis reticulata* (ruiz & pav.) pers. and α -pinene. *INDUSTRIAL CROPS AND PRODUCTS.* , v.145, p.112106 - 112110, 2020.

26. JUSTINO DE ARAÚJO, ANA CAROLINA; FREITAS, PRISCILLA RAMOS; RODRIGUES DOS SANTOS BARBOSA, CRISTINA; MUNIZ, DÉBORA FEITOSA; ROCHA, JANAÍNA ESMERALDO; ALBUQUERQUE DA SILVA, ANA CRISTINA; DATIANE DE MORAIS OLIVEIRA-TINTINO, CÍCERA; RIBEIRO-FILHO, JAIME; EVERSON DA SILVA, LUIZ; CONFORTIN, CAMILA; AMARAL, WANDERLEI DO; DESCHAMPS, CÍCERO; BARBOSA-FILHO, JOSÉ MARIA; RAMOS DE LIMA, NATANAEL TELES; TINTINO, SAULO RELISON; **MELO COUTINHO, HENRIQUE DOUGLAS**

GC-MS-FID characterization and antibacterial activity of the *Mikania cordifolia* essential oil and limonene against MDR strains. *FOOD AND CHEMICAL TOXICOLOGY.* , v.136, p.111023 - 111027, 2020.

27. FIGUEREDO, FERNANDO GOMES; RAMOS, INGRID T.L.; PAZ, JOSINETE A.; SILVA, TANIA M.S.; CAMARA, CELSO A.; OLIVEIRA-TINTINO, CÍCERA DATIANE DE MORAIS; RELISON TINTINO, SAULO; DE FARIAS, PABLO ANTÔNIO MAIA; **COUTINHO, HENRIQUE DOUGLAS MELO**; FONTELES, MARTA MARIA DE F.

In silico evaluation of the antibacterial and modulatory activity of lapachol and nor-lapachol derivatives. *MICROBIAL PATHOGENESIS.* , v.144, p.104181 - 104187, 2020.

28. JOHNSON, MARIMUTHU ALIAS ANTONISAMY; MADONA, C. XAVIER; ALMEIDA, RAY S.; MARTINS, NATÁLIA; **Coutinho, Henrique D. M.**

In Vitro Toxicity, Antioxidant, Anti-Inflammatory, and Antidiabetic Potential of *Sphaerostephanos unitus* (L.) Holtum. *ANTIBIOTICS-BASEL.* , v.9, p.333 - 345, 2020.

29. SARIKURKCU, CENGİZ; ANDRADE, JACQUELINE COSMO; OZER, MEHMET SABIH; DE LIMA SILVA, JOÃO MARCOS FERREIRA; CEYLAN, OLCAY; DE SOUSA, ERLÂNIO OLIVEIRA; **COUTINHO, HENRIQUE DOUGLAS MELO**

LC-MS/MS profiles and interrelationships between the enzyme inhibition activity, total phenolic content and antioxidant potential of *Micromeria nervosa* extracts. *FOOD CHEMISTRY.* , v.328, p.126930 - 126935, 2020.

30. ARAÚJO-FILHO, HEITOR G.; PEREIRA, ERIK W.M.; HEIMFARTH, LUANA; SOUZA MONTEIRO, BRENDA; SANTOS PASSOS, FABIOLLA ROCHA; SIQUEIRA-LIMA, POLLYANA; GANDHI, SATHIYABAMA R.; VIANA DOS SANTOS, MÁRCIO ROBERTO; GUEDES DA SILVA ALMEIDA, JACKSON ROBERTO; PICOT, LAURENT; GROUGNET, RAPHAËL; ALMEIDA, RAY S.; **DOUGLAS MELO COUTINHO, HENRIQUE**; QUINTANS-JÚNIOR, LUCINDO J.; MARTINS, NATÁLIA; QUINTANS, JULLYANA S.S.

Limonene, a food additive, and its active metabolite perillyl alcohol improve regeneration and attenuate neuropathic pain after peripheral nerve injury: Evidence for IL-1 β , TNF- α , GAP, NGF and ERK involvement. *INTERNATIONAL IMMUNOPHARMACOLOGY.* , v.86, p.106766 - 106774, 2020.

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