

**LISTA DE TRABALHOS PUBLICADOS, PATENTES E ORIENTAÇÕES QUE  
FIZERAM USO DOS EQUIPAMENTOS MULTIUSUÁRIOS DA CENTRAL  
ANALÍTICA DA FACULDADE DE FARMÁCIA, UFF**

**ARTIGOS PUBLICADOS EM PERIÓDICOS INTERNACIONAIS E PATENTES (2016-  
2021)**

1. RIBEIRO, JOANA L.S.; SOARES, JÚLIO C.A.V.; PORTAPILLA, GISELE B.; PROVIDELLO, MAIARA V.; LIMA, CAMILO H.S.; MURI, ESTELA M.F.; DE ALBUQUERQUE, SÉRGIO; DIAS, LUIZA R.S. Trypanocidal activity of new 1,6-diphenyl-1H-pyrazolo[3,4-b]pyridine derivatives: Synthesis, in vitro and in vivo studies. *Bioorganic & Medicinal Chemistry*, v.29, p.115855, 2021.
2. SILVA, K.A.; UEKANE, T.M.; MIRANDA, J.F.; RUIZ, L.F.; MOTTA, J.C.B.; SILVA, C.B.; PITANGUI, N. S.; Gonzalez, A.G.M.; LIMA, A.R. Kombucha beverage from non-conventional edible plant infusion and green tea: characterization, toxicity, antioxidant activities and antimicrobial properties. *BIOCATALYSIS AND AGRICULTURAL BIOTECHNOLOGY*, V.34, 102032, 2021.
3. HAMACHER, L. ; HÜTHER, CRISTINA ; SILVA, L. D. B. ; CECCHIN, D. ; CARMO, D. F. ; OLIVEIRA, ELTON DE ; SANTOS, C. M. P. P.; MACHADO, Thelma de Barros; PEREIRA, C.R. ; SILVA, F. C. . Soil fertility and essential oil production in citronella cultivation irrigated with dairy cattle wastewater (DCW). *TROPICAL AND SUBTROPICAL AGROECOSYSTEMS*, v. 24, p. 1-11, 2021.
4. FERREIRA, LETICIA L. D. M.; LEÃO, VALÉRIA DE F.; MELO, CINTHYA M. DE; MACHADO, THELMA DE B; AMARAL, ANA CLAUDIA F.; SILVA, LEANDRO L. DA; SIMAS, NAOMI K.; MUZITANO, MICHELLE F.; LEAL, IVANA C. R.; RAIMUNDO, JULIANA M.. Ethyl Acetate Fraction and Isolated Phenolics Derivatives from *Mandevilla moricandiana* Identified by UHPLC-DAD-ESI-MS<sup>n</sup> with Pharmacological Potential for the Improvement of Obesity-Induced Endothelial Dysfunction. *PHARMACEUTICS*, v. 13, p. 1173-1193, 2021.
5. ROCHA, M.S.; ROCHA, L.C.S.; VIÇOSA, A.L.; GUIMARÃES, T F; MAROTTA, P L.L.S; FERREIRA, C.E.; MOURÃO, S.C. Developing and Featuring Matrix Tablets by Using Gross Linseed Mucilage as a Retardant Polymer. *Journal of Pharmaceutical Innovation.*, v.16, p.1 - 13, 2021.
6. ROCHA, M.S.; ROCHA, L. C. S.; FEIJO, M. B. S.; MAROTTA, P. L. L. S.; MOURAO, S. C. Effect of pH on the process of extracting the flaxseed mucilage (seed of *Linum usitatissimum* L.). *Acta Scientiarum. Technology (ONLINE)*., v.43, p.e50457, 2021.
7. LOBO, FRANCINE ALBERNAZ; DOMINGUES, Josiane Roberto; FALCÃO, DEBORAH QUINTANILHA; STINCO, C.; RODRIGUEZ-PULIDO, F.; FARIA, C. E; HEREDIA, F. J.; LIMA ARAÚJO, K. G.; VILA, D. H.. Foam Mat Drying of Tommy Atkins Mango: Effects of Air Temperature and Concentrations of Soy Lecithin and

- Carboxymethylcellulose on Carotenoid Compounds and Colorimetric Parameters. *Journal of Food Chemistry and Nanotechnology*, v. 6, p. 1-8, 2020.
8. TEIXEIRA, R. G. S.; PASCUAL, R.; LIMA ARAÚJO, K. G.; BRITO, M. A.; CARMO, A. F.; SILVA, C. L. M.; Gandía, L.; MACHADO, T. B.; SANTOS, W. C. . In vitro and in silico studies for barbinervic acid, a triterpene isolated from *Eugenia punicifolia* that inhibits vasopressor tone. *NATURAL PRODUCT RESEARCH*, v. 16, p. 1-16, 2020.
  9. ALBUQUERQUE, SURABY O.; BARROS, THALITA G.; DIAS, LUIZA R.S.; LIMA, CAMILO H. DA S.; AZEVEDO, PEDRO H.R. DE A.; FLORES-JUNIOR, LUIZ A.P.; DOS SANTOS, ELDIO G.; LOPONTE, HECTOR F.; PINHEIRO, SERGIO; DIAS, WAGNER B.; MURI, ESTELA M.F.; TODESCHINI, ADRIANE R. Biological evaluation and molecular modeling of peptidomimetic compounds as inhibitors for O-GlcNAc transferase (OGT). *European Journal of Pharmaceutical Sciences* , v.154, p.105510, 2020.
  10. SOARES, J. C. A. V.; DIAS, LUIZA R.S. N-Acetyl-3-methyl-1,6-diphenyl-1H-pyrazolo[3,4-b]pyridine-4-carbohydrazide. *Molbank.*, v.2020, p.M1104, 2020.
  11. SANTOS, C. M. P. P; HÜTHER, C. M.; BORELLA, J.; RIBEIRO, F. N. S; DUARTE, G. C. A.; CARVALHO, L. F.; OLIVEIRA, E.; LAMEIRA, O. A.; PINHO, C. F.; MACHADO, T. B.; PEREIRA, C. R. Season and shading affect emetine and cephalin production in *Carapichea ipecacuanha* plants. *Plant Biosystems - An International Journal Dealing with all Aspects of Plant Biology*. 2020.
  12. TEIXEIRA, R. G. S.; DE PASCUAL, R.; LIMA-ARAÚJO, K.G.; DE BRITO, M. A.; DE LOS RIOS, C.; DO CARMO, A. F.; GANDÍA, L.; SILVA, C. L. M.; MACHADO, T. B.; SANTOS, W. C. *In vitro* and in silico studies for barbinervic acid, a triterpene isolated from that inhibits vasopressor tone. *NATURAL PRODUCT RESEARCH*, v. 1, p. 1-6, 2020.
  13. FERREIRA, R. A.; BORELLA, J.; HÜTHER, C. M.; CANTO, A. C. B.; CORREA, N. P. C.; CORREIA, D. M.; BORGES, R. P.; PINHO, C. F.; MACHADO, T. B.; PEREIRA, C. R. Drought-induced stress in leaves of *Coix lacryma-jobi* L. under exogenous application of proline and GABA amino acids. *Brazilian Journal of Botany*. 2020.
  14. DA SILVA LIMA, CAMILO HENRIQUE; DE ARAÚJO VANELIS SOARES, JÚLIO CÉSAR; DE SOUSA RIBEIRO, JOANA LUCIUS; MURI, ESTELA MARIS FREITAS; DE ALBUQUERQUE, SÉRGIO; Dias, Luiza Rosaria Sousa Anti-Trypanosoma cruzi activity and molecular docking studies of 1H-pyrazolo[3,4-b]pyridine derivatives. *Letters in Drug Design & Discovery*, v.16, p.184 - 191, 2019.
  15. DE SOUZA, ACÁCIO S.; PACHECO, BARBARA D.C.; PINHEIRO, SERGIO; MURI, ESTELA M.F.; DIAS, LUIZA R.S.; LIMA, CAMILO H.S.; GARRETT, RAFAEL; DE MORAES, MARIANA B.M.; DE SOUZA, BRUNO E.G.; PUZER, LUCIANO 3-Acyltetramic acids as a novel class of inhibitors for human kallikreins 5 and 7. *Bioorganic & Medicinal Chemistry Letters* ,v.29, p.1094 - 1098, 2019.
  16. MACHADO, T. B.; VIEIRA, F. F. M.; SILVA, K. C. F. A.; OLIVEIRA, M. B. P. P. Preparations of Pomegranate By-Products are Effective as Dermatological Healing Herbal Medicine. *Biomedical Journal of Scientific & Technical Research*, v. 13, p. 1-3,

- 2019.
17. RIBEIRO, M. F.; OLIVEIRA, F. L.; SOUZA, A. M.; MACHADO, T. B.; CARDOSO, P. F.; PATTI SOBRINHO, A.; NASCIMENTO, A. S.; SOUZA, C. M. V.; ELIAS, S. C. Effects of copaiba oil on dermonecrosis induced by *Loxosceles intermedia* venom. *Journal of Venomous Animals And Toxins Including Tropical Diseases*, v. 25, p. 1-11, 2019.
  18. ALBUQUERQUE, R. P.; DUARTE, G. C. A.; DUARTE, N.; OHANA, D; SANTOS, W. C.; MACHADO, T. B. Quantitative determination of pentacyclic triterpenic acids in Amazonian species DC by ATR-FTIR. *Natural Product Research*, v. 1, p. 1-5, 2019.
  19. ALMEIDA, K. B. ; ARAUJO, J. L. ; CAVALCANTI, J. F. ; Mourão, S.C. ; ROMANOS, Maria Teresa Villela ; AMARAL, A. C. F. ; FALCÃO, D. Q. . In vitro release and anti-herpetic activity of *Cymbopogon citratus* volatile oil-loaded nanogel. *Revista Brasileira de Farmacognosia-Brazilian Journal of Pharmacognosy*, v. 28, p. 495-502, 2018.
  20. LOBO, FRANCINE ALBERNAZ TF; SILVA, VITORIA; DOMINGUES, JOSIANE; RODRIGUES, SILVANA; COSTA, VALÉRIA ; FALCÃO, DEBORAH ; DE LIMA ARAÚJO, KÁTIA G . Inclusion complexes of yellow bell pepper pigments with  $\beta$  - cyclodextrin: preparation, characterisation and application as food natural colorant. *JOURNAL OF THE SCIENCE OF FOOD AND AGRICULTURE JCR*, v. 98, p. 2665-2671, 2018.
  21. MECENAS, A. S.; MALAFAIA, C. A.; SIMAS, D; MACHADO, Thelma de Barros; AMARAL, A. C. F.; SANTOS, A; FREIRE, D. G.; LEAL, I. C. R. Rutin derivatives obtained by transesterification reactions catalyzed by Novozym 435: Antioxidant properties and absence of toxicity in mammalian cells. *PLoS One*, v. 13, p. e0203159, 2018.
  22. LOBO, FRANCINE ALBERNAZ TF; SILVA, VITORIA; DOMINGUES, JOSIANE; RODRIGUES, SILVANA; COSTA, VALÉRIA ; FALCÃO, DEBORAH ; DE LIMA ARAÚJO, KÁTIA G . Inclusion complexes of yellow bell pepper pigments with  $\beta$ - cyclodextrin: preparation, characterisation and application as food natural colorant. *JOURNAL OF THE SCIENCE OF FOOD AND AGRICULTURE*, v. 98, p. 2665-2671, 2018.
  23. ALMEIDA, K. B.; ARAUJO, J. L.; CAVALCANTI, J.F.; ROMANOS, M. T.V.; MOURÃO, S. C.; AMARAL, A.C. F.; FALCÃO, D. Q. In vitro release and anti-herpetic activity of *Cymbopogon citratus* volatile oil-loaded nanogel. *Brazilian Journal of Pharmacognosy.*, v.28, p.495 - 502, 2018.
  24. NONATO DE OLIVEIRA MELO, MICHELLE; Passos Oliveira, Adriana; FELIPPE WIECIKOWSKI, ADALGISA; SAMPAIO CARVALHO, RENATO; DE LIMA CASTRO, JULIANA; ALVES GOMES DE OLIVEIRA, FELIPE; MARCELO GUALBERTO PEREIRA, HENRIQUE; FEO DA VEIGA, VENICIO; MARQUES ALVES CAPELLA, MARCIA; ROCHA, Leandro; HOLANDINO, CARLA. Phenolic compounds from *Viscum album* Tinctures Enhanced Antitumor Activity in Melanoma Murine Cancer Cells. *SAUDI PHARMACEUTICAL JOURNAL* , v.26, p.311 - 322, 2018.

25. DE SOUZA SANTOS, ELISANGELA; SPINELLI, ELIANI; VIEIRA, ANTONIO ASSIS; Rodrigues, Silvana Vianna. Postmortem analysis of famprofazone and its metabolites, methamphetamine and amphetamine, in porcine bone marrow. *TALANTA*, v. 191, p. 545-552, 2018.
26. LOBO, FRANCINE ALBERNAZ; N ASCIMENTO, MANUELA ABREU; DOMINGUES, Josiane Roberto ; FALCÃO, DEBORAH QUINTANILHA ; HERNANZ, DOLORES ; HEREDIA, FRANCISCO J. ; DE LIMA ARAUJO, KÁTIA GOMES . Foam mat drying of Tommy Atkins mango: Effects of air temperature and concentrations of soy lecithin and carboxymethylcellulose on phenolic composition, mangiferin, and antioxidant capacity. *Food Chemistry*, v. 221, p. 258-266, 2017.
27. SOUZA, DAYANE MEIRELES DE ; PINHO JUNIOR, JORGE DA SILVA ; BRANCO, VANESSA NACIUK CASTELO ; ARAUJO, KÁTIA GOMES DE LIMA ; SANTOS, BEATRIZ DO NASCIMENTO CORRÊA DOS ; DOMINGUES, Josiane Roberto . Antioxidative effect of *Arthrospira platensis* biomass on the lipid oxidation. *Vigilância Sanitária em Debate: Sociedade, Ciência & Tecnologia*, v. 5, p. 76-81, 2017.
28. Tietbohl, L.A.; OLIVEIRA, A. P.; Esteves, R.; Albuquerque, R.; Folly, D.; MACHADO, F.; CORREA, A.; SANTOS, Marcelo Guerra; Ruiz, A.L.T.G.; Rocha, L. Antiproliferative activity in tumor cell lines, antioxidant capacity and total phenolic, flavonoid and tannin contents of *Myrciaria floribunda*. *ANAIS DA ACADEMIA BRASILEIRA DE CIENCIAS.*, p.1111 - 1120, 2017
29. Oliveira, Adriana P.; SANTOS, Marcelo Guerra; FRANÇA, H.; CORREA, A.; ROCHA, Leandro. Volatile constituents of three *Myrsine L.* species from Brazil. *Records of Natural Products*. *Records of Natural Products.*, v.11, p.82 - 87, 2017.
30. PORTELA, ALINE C.; BARROS, T.G.; LIMA, C. H. S.; DIAS, L. R. S.; AZEVEDO, P. H. R. A.; DANTAS, A. S. C. L.; Pinheiro, S.; MURI, ESTELA M. F.; MOHANA-BORGES, R.; VENTURA, G. Isosorbide-based peptidomimetics as inhibitors of hepatitis C virus serine protease. *Bioorganic & Medicinal Chemistry Letters* , v.27, p.3661 - 3665, 2017.
31. LOURENCO, A. L.; SALVADOR, RAQUEL R.S.; SILVA L.A.; SAITO, M. S.; MELLO J.F.R.; CABRAL, L.M.; RODRIGUES, C. R.; Vera, M. A. F.; MURI, ESTELA M. F.; SOUZA, A. M. T.; CRAIK C.; DIAS, L. R. S.; Castro, Helena C.; Sathler, P.C. Synthesis and mechanistic evaluation of novel N'-benzylidene-carbohydrazide-1 H -pyrazolo [3,4 -b]pyridine derivatives as non-anionic antiplatelet agents. *European Journal of Medicinal Chemistry*, v.135, p.213 - 229, 2017.
32. OLIVEIRA, SIMONE S.S.; BELLO, MURILO L.; Rodrigues, Carlos R.; AZEVEDO, PAULA L. DE; RAMOS, MARIA C.K.V.; AQUINO-NETO, FRANCISCO R. DE; FIAUX, SORELE B.; DIAS, LUIZA R.S. Asymmetric bioreduction of  $\beta$ -ketoesters derivatives by *Kluyveromyces marxianus*: influence of molecular structure on the conversion and enantiomeric excess. *Anais da Academia Brasileira de Ciências*, v.89, p.1403 - 1415, 2017.
33. BARROS, THALITA G.; SANTOS, JORGE A.N.; DE SOUZA, BRUNO E.G.; SODERO, ANA CAROLINA R.; DE SOUZA, ALESSANDRA M.T.; DA SILVA,

- DAYANE P.; Rodrigues, Carlos Rangel; PINHEIRO, SERGIO; DIAS, LUIZA R.S.; ABRAHIM-VIEIRA, BÁRBARA; PUZER, LUCIANO; MURI, ESTELA M.F. Discovery of a new isomannide-based peptidomimetic synthesized by Ugi multicomponent reaction as human tissue kallikrein 1 inhibitor. *Bioorganic & Medicinal Chemistry Letters*, v.27, p.314 - 318, 2017.
34. CHAGAS, ALINE GARCIA DA ROSA; SPINELLI, ELIANI; FIAUX, SORELE BATISTA; BARRETO, ADRIANA DA SILVA; Rodrigues, Silvana Vianna. Particle-size distribution (PSD) of pulverized hair: A quantitative approach of milling efficiency and its correlation with drug extraction efficiency. *FORENSIC SCIENCE INTERNATIONAL*, v. 277, p. 188-196, 2017.
35. SOUZA, ELO; FARIA, ROBSON; ROCHA, Leandro. Clinical trials studies of plant extracts with anti-inflammatory activity. *JOURNAL OF APPLIED PHARMACEUTICAL SCIENCE.*, v.6, p.224 - 232, 2016.
36. FERNANDES, CAIO P.; CRUZ, RODRIGO A. S.; AMARAL, RAQUEL R.; CARVALHO, JOSE C. T.; Santos, Marcelo G.; TIETBOHL, LUIS A. C.; ROCHA, Leandro. Essential Oils from Male and Female Flowers of *Clusia hilariana*. *Chemistry of Natural Compounds.*, v.52, p.1110 - 1112, 2016.
37. BARRETO, A.; BRANT, VINNICIUS F.; SPINELLI, E.; Rodrigues, Silvana V. Validation of a SPE-LC-MS/MS method for the determination of ketamine and norketamine in micropulverized hair after a single IV dose. *Journal of Chromatography. B (Print)*, v. 1033-1034, p. 200-209, 2016.
38. SAITO, M. S.; LOURENCO, A. L.; DIAS, L. R. S.; FREITAS, A. C. C.; VITORINO, M. I.; ALBUQUERQUE, M. G.; RODRIGUES, C. R.; CABRAL, L.M.; DIAS, E. P.; CASTRO, H. C. A.; SATHIER, P. C. Antiplatelet pyrazolopyridines derivatives: pharmacological, biochemical and toxicological characterization. *Journal of Enzyme Inhibition and Medicinal Chemistry* , v.31, p.1 - 11, 2016.
39. SALVADOR, RAQUEL R.S.; BELLO, MURILO L.; BARRETO, IGOR R.L.; VERA, MARIA A.F.; MURI, ESTELA M.F.; ALBUQUERQUE, SÉRGIO DE; DIAS, LUIZA R.S. New carbonylhydrazide derivatives of 1H-pyrazolo[3,4-b]pyridine and trypanocidal activity. *Anais da Academia Brasileira de Ciências*, v.88, p.2341 - 2348, 2016.
40. HOELZ, L. V. B.; Zorzanelli, B.C.; AZEVEDO, P. H. R. A.; PASSOS, S. G.; SOUZA, L. R.; ZANI, M.; Pinheiro, S.; PUZER, L.; DIAS, L. R. S.; Muri, E. M. F. Synthesis, biological evaluation and molecular modeling of pseudo-peptides based statine as inhibitors for human tissue kallikrein 5. *European Journal of Medicinal Chemistry*, v.112, p.39 - 47, 2016
41. PETITO, NICOLLY DE LIMA; DIAS, DAIANA DA SILVA; COSTA, VALÉRIA GONÇALVES; FALCÃO, DEBORAH QUINTANILHA; ARAÚJO, KÁTIA GOMES DE LIMA. Increasing solubility of red bell pepper carotenoids by complexation with 2-hydroxypropyl- $\beta$ -cyclodextrin. *Food Chemistry JCR*, v. 208, p. 124-131, 2016.
42. GOMES, LIDIANE MARTINS MENDE; GONÇALVES, RAQUEL PIRES; Dias, Marcos Lopes; TONON, RENATA VALERIANO; PIERUCCI, A. P. T. R; DE LIMA ARAÚJO, KATIA; LEAO, M. H. R. Preparation and characterization of ultrafine fibers

made from pulps of cherry (*Malpighia emarginata* DC.) and Surinam cherry (*Eugenia uniflora* L.), and a polymeric matrix of Eudragit L100 using electrospinning technique. *Current Trends in Polymer Science*, v. 17, p. 85-91, 2016.

### **PATENTES**

1. CASTELO-BRANCO, VN.; BRITO, G. B. COMPOSIÇÕES PARA A ESTRUTURAÇÃO DE ÓLEO VEGETAL A GEL COMESTÍVEL COMQUITOSONA, VANILINA E/OU TENSOATIVO; PROCESSO PARA OBTENÇÃO DITA COMPOSIÇÃO, USADA COMPOSIÇÃO ESTRUTURADA DE ÓLEO VEGETAL A GEL COMESTÍVEL COM QUITOSANA, VANILINA E/OU TENSOATIVO COMO SUBSTITUTO DE GORDURA VEGETAL HIDROGENADA EM PRODUTOS ALIMENTÍCIOS, 2020. Categoria: Produto e Processo. Instituição onde foi depositada: INPI - Instituto Nacional da Propriedade Industrial. País: Brasil. Natureza: Patente de Invenção. Número de registro: BR1020200071947. Data de depósito: 09/04/2020. Depositante/Titular: Vanessa Naciuk Castelo Branco, Gabriela Baptista Brito. Depositante/Titular: Universidade Federal Fluminense.