

Diuretic herb *Gomphrena celosioides* Mart. (Amaranthaceae) promotes sustained arterial pressure reduction and protection from cardiac remodeling on rats with renovascular hypertension

Paulo César de Paula Vasconcelos, Cleide Adriani Signor Tirloni, Rhanany Alan Calloi Palozi, Maicon Matos Leitão, Maria Tainara Soares Carneiro, Maysa Isernhagen Schaedler, Aniely Oliveira Silva, Roosevelt Isaias Carvalho Souza, Marcos José Salvador, Arquimedes Gasparotto Junior, Cândida Aparecida Leite Kassuya



PII: S0378-8741(18)30017-5
DOI: <https://doi.org/10.1016/j.jep.2018.05.036>
Reference: JEP11382

To appear in: *Journal of Ethnopharmacology*

Received date: 2 January 2018
Revised date: 21 May 2018
Accepted date: 24 May 2018

Cite this article as: Paulo César de Paula Vasconcelos, Cleide Adriani Signor Tirloni, Rhanany Alan Calloi Palozi, Maicon Matos Leitão, Maria Tainara Soares Carneiro, Maysa Isernhagen Schaedler, Aniely Oliveira Silva, Roosevelt Isaias Carvalho Souza, Marcos José Salvador, Arquimedes Gasparotto Junior and Cândida Aparecida Leite Kassuya, Diuretic herb *Gomphrena celosioides* Mart. (Amaranthaceae) promotes sustained arterial pressure reduction and protection from cardiac remodeling on rats with renovascular hypertension, *Journal of Ethnopharmacology*, <https://doi.org/10.1016/j.jep.2018.05.036>

This is a PDF file of an unedited manuscript that has been accepted for publication. As a service to our customers we are providing this early version of the manuscript. The manuscript will undergo copyediting, typesetting, and review of the resulting galley proof before it is published in its final citable form. Please note that during the production process errors may be discovered which could affect the content, and all legal disclaimers that apply to the journal pertain.

Diuretic herb *Gomphrena celosioides* Mart. (Amaranthaceae) promotes sustained arterial pressure reduction and protection from cardiac remodeling on rats with renovascular hypertension

Paulo César de Paula Vasconcelos¹; Cleide Adriani Signor Tirloni¹; Rhanany Alan Calloi Palozi¹; Maicon Matos Leitão¹; Maria Tainara Soares Carneiro¹; Maysa Isernhagen Schaedler¹; Anieli Oliveira Silva¹; Roosevelt Isaias Carvalho Souza¹; Marcos José Salvador²; Arquimedes Gasparotto Junior¹; Cândida Aparecida Leite Kassuya^{1*}

¹College of Health Science, Federal University of Grande Dourados, Dourados, MS, Brazil

²Institute of Biology, Department of Plant Biology, PPG BTPB, Faculty of Pharmaceutical Science, State University of Campinas (UNICAMP), Campinas, SP, Brazil.

Vasconcelos, PCP: paulovasconcelos@ufgd.edu.br

Tirloni, CAS: cleide.4132@gmail.com

Palozi, RAC: palozirhanany@gmail.com

Leitão, MM: mleitao02@hotmail.com

Carneiro, MTS: mtasoaes@yahoo.com.br

Schaedler, MI: maysais@hotmail.com

Silva, AO: anieli.oliiveira@gmail.com

Souza, RIC: rooseveltsouza@ufgd.edu.br

Salvador, MJ: marcosjs@unicamp.br

Gasparotto Junior, A: arquimedesgasparotto@gmail.com

Kassuya, CAL: candida2005@gmail.com

*Corresponding author: Faculdade de Ciências da Saúde, Universidade Federal da Grande Dourados, Dourados, 79825-070, MS, Brazil, Tel.: +55 67 3410-2326 Fax: +55 67 3410-2326.

ABSTRACT:

Ethnopharmacological relevance

Gomphrena celosioides Mart., belonging to the Amaranthaceae family, is a weed known as “perpétua,” and its ethnopharmacological use is to treat of urinary tract disorders and kidney stones. Urinary tract disorders and kidney stones could include several pathological conditions such hypertension, diuretic and lithiasic problems. In the present work a model of renovascular hypertension was developed *in vivo* to investigate its usefulness as an antihypertensive drug.

Download English Version:

<https://daneshyari.com/en/article/8532127>

Download Persian Version:

<https://daneshyari.com/article/8532127>

[Daneshyari.com](https://daneshyari.com)