

UNIVERSIDADE ESTADUAL DE MARINGÁ  
PRODUÇÃO CIENTÍFICA DOS DOCENTES DO PROGRAMA DE PÓS-GRADUAÇÃO EM  
QUÍMICA PUBLICADAS EM 2014

ARTIGO

A Simple, Fast and Efficient Method for Transesterification of Fatty Acids in Foods Assisted by  
Ultrasound Energy

Oscar de Oliveira Santos Junior,

Paula Fernandes Montanher,

Elton Guntendorfer Bonafe,

Ivanor Nunes do Prado,

Swami Area Maruyama,

Makoto Matsushita,

Jesui Vergilio Visentainer

Journal of the Brazilian Chemical Society 25(9):1712-1719 2014

<http://dx.doi.org/10.5935/0103-5053.20140166>

A urethane-based multimethacrylate mixture and its use in dental composites with combined high-  
performance properties

Gedalias Custodio Martim,

Tiago Roberto Detomini,

Ivani Teresinha Albrecht Schuquel,

Eduardo Radovanovic,

Carmem S Pfeifer,

Emerson Marcelo Giroto

Dental Materials 30(2):155-163 2014

<http://dx.doi.org/10.1016/j.dental.2013.11.002>

Adesivos à Base de Acrilatos Incorporados com extrato de Própolis

Adley Forti Rubira

Marcos Hiroiuqui Kunita

Marcos Rogerio Guilherme

Edvani Curti Muniz

Stephani C Beneti

Ernandes Taveira Tenorio Neto

Manuel Edgardo Gomez Winkler

Patente: Privilégio de Inovação. Número do registro: BR1020140251782 INPI - Instituto Nacional da  
Propriedade Industrial. Depósito: 09/10/2014

Adsorption studies of methylene blue onto ZnCl<sub>2</sub>-activated carbon produced from Buriti shells (*Mauritia  
flexuosa* L.).

Osvaldo Pezoti Jr,

Andre Luiz Cazetta,

Isis Pelegrine de Andrade Fukumoto de Souza,

Karen Cristiane Bedin,

Alessandro Campos Martins,

Tais Larissa da Silva,

Vitor de Cinque Almeida

Journal of Industrial and Engineering Chemistry 00():1-7 2014

<http://dx.doi.org/10.1016/j.jiec.2014.02.007>

African catfish (*Clarias gariepinus*) skin gelatin: Extraction optimization and physical-chemical properties

Alexandre da Trindade Alfaro,

Fabiola Carina Biluca,

Carline Marquetti,

Ivane Benedetti Tonial,

Nilson Evelazio de Souza

Food Research International 62(C):416-422 2014

<http://dx.doi.org/10.1016/j.foodres.2014.05.070>

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QUÍMICA PUBLICADAS EM 2014

Aggregation of aluminum phthalocyanine hydroxide in water/ethanol mixtures

Tayana Mazin Tsubone,

Gustavo Braga,

Bruno Henrique Vilsinski,

Adriana Passarella Gerola,

Noboru Hioka,

Andre Luiz Tessaro,

Wilker Caetano

Journal of the Brazilian Chemical Society 25(5):890-897 2014

<http://dx.doi.org/10.5935/0103-5053.20140058>

An efficient rose bengal based nanoplatfom for photodynamic therapy

Enrica Gianotti

Bianca Martins Esteveao

Fabio Cucinotta

Noboru Hioka

Manuela Rizzi

Felippo Reno

Leonardo Marchese

Chemistry - A European Journal 20(35):10921-10925, 2014

<http://dx.doi.org/10.1002/chem.201404296>

Análise de bioativos em frutas

Jesui Vergilio Visentainer

Livro editora: UTFPR-Toledo, 2014, volume 1, 128p

sem informações

Analysis of carotenoids,  $\alpha$ -tocopherol, sterols and phenolic compounds from white bread enriched with chia (*Salvia hispanica* L.) seeds and carrot (*Daucus carota* L.) leaves

Swami Area Maruyama,

Thiago Claus,

Lucas Ulisses Rovigatti Chiavelli,

Janksyn Bertozzi,

Eduardo Jorge Pilau,

Nilson Evelazio de Souza,

Jesui Vergilio Visentainer,

Sandra Terezinha Marques Gomes,

Makoto Matsushita

Journal of the Brazilian Chemical Society 25(6):1108-1115, 2014

<http://dx.doi.org/10.5935/0103-5053.20140087>

Analytical aspects of the flame ionization detection in Comparison with mass spectrometry with emphasis on fatty acids and their esters

Chapter 2 in: Advances in gas chromatography

Jesui Vergilio Visentainer,

Thiago Claus,

Oscar de Oliveira Santos Junior,

Lucas Ulisses Rovigatti Chiavelli,

Swami Area Maruyama

Capitulo Livro

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QUÍMICA PUBLICADAS EM 2014

Antimicrobial activity of chitosan derivatives containing n-quaternized moieties in its backbone: a review  
Alessandro Francisco Martins  
Suelen Facchi  
Heveline Dal Magro Follmann  
Antonio Guilherme Basso Pereira  
Adley Forti Rubira  
Edvani Curti Muniz  
Internationa Journal of Molecular Sciences 15(11):20800-20832 2014  
<http://dx.doi.org/10.3390/ijms151120800>

Antioxidant capacity in Tilapia fillets enriched with extract of acerola fruit residue  
Fabiana Carbonera,  
Paula Fernandes Montanher,  
Sylvio Vicentin Palombini,  
Swami Area Maruyama,  
Thiago Claus,  
Hevelise Munise C Santos,  
Sheisa Cyleia Sargi,  
Makoto Matsushita,  
Jesui Vergilio Visentainer  
Journal of The Brazilian Chemical Society 25(7):1237-1245, 2014  
<http://dx.doi.org/10.5935/0103-5053.20140101>

Application of chitin and chitosan extracted from silkworm chrysalides in the treatment of textile effluents contaminated with remazol dyes  
Julliana Isabelle Simionato,  
Lucas Dollis Guerra Villalobos,  
Milena Keller Bulla,  
Fabio Augusto Garcia Coro,  
Juliana Carla Garcia  
Acta Scientiarum. Technology 36(4):693-698, 2014  
<http://dx.doi.org/10.4025/actascitechnol.v36i4.24428>

Biocatálise e biotransformação : fundamentos e aplicações. In: Carla Porto da Silva. (Org.). Aplicação da Espectrometria de Massas na Identificação de Bactérias. Carla Porto Silva  
Eduardo Jorge Pilau.  
1ed. São Paulo: Editora Schoba, 2014, v. 3, p. 215-.  
ISBN 9788580133462

Bioguided identification of antifungal and anticancer compounds from the Brazilian Orchid *Miltonia flavescens* Lindl.  
Letica Fernandes Dela Porte,  
Silvana Maria de Oliveira Santin,  
Lucas Ulisses Rovigatti Chiavelli,  
Cleuza Conceição da Silva,  
Terezinha de Jesus Faria,  
Ricardo T Faria,  
Ana Lucia Tasca Gois Ruiz,  
Joao Ernesto de Carvalho,  
Armando Mateus Pomini  
Zeitschrift fur Naturforschung C 69:46-52, 2014  
<http://dx.doi.org/10.5560/znc.2012-0192>

Biosorption potential of synthetic dyes by heat-inactivated and live *Lentinus edodes* CCB-42 immobilized in loofa sponges  
Gabriela Gregolin Gimenez

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Suelen Pereira Ruiz  
Wilker Caetano  
Rosane Marina Peralta  
Graciete Matioli  
World Journal of Microbiology & Biotechnology 30:329-3244 2014  
<http://dx.doi.org/10.1007/s11274-014-1750-9>

Cell death and ultrastructural alterations in *Leishmania amazonensis* caused by new compound 4-Nitrobenzaldehyde thiosemicarbazone derived from S-limonene  
Elizandra Aparecida Britta  
Debora Botura Scariot  
Hugo Falzirolli  
Tania Ueda Nakamura  
Cleuza Conceição da Silva  
Benedito Prado Dias Filho  
Redouane Borsali  
Celso Vataru Nakamura  
BMC Microbiology 2014(14):236 2014  
<http://dx.doi.org/10.1186/s12866-014-0236-0>

Cell kinetics, DNA integrity, differentiation, and lipid fingerprinting analysis of rabbit adipose-derived stem cells.  
Leticia Siqueira de Sa Barretto,  
Camila Lessio,  
Ahy Natally Sawaki e Nakamura,  
Edson Guimaraes Lo Turco,  
Camila Gonzaga da Silva,  
Joao Paulo Zambon,  
Fabio Cesar Gozzo,  
Eduardo Jorge Pilau,  
Fernando Gonçalves de Almeida  
In Vitro Cellular & Developmental Biology - Animal, 50(9):831-839 2014  
<http://dx.doi.org/10.1007/s11626-014-9782-x>

Characterization of residual oils for biodiesel production  
Edmilson Antonio Canesin,  
Claudio Celestino de Oliveira,  
Makoto Matsushita,  
Lucia Felicidade Dias,  
Mayka Reghiany Pedrao,  
Nilson Evelazio de Souza  
Electronic Journal of Biotechnology 17(1):39-45, 2014  
<http://dx.doi.org/10.1016/j.ejbt.2013.12.007>

Chemical composition and antimicrobial and antioxidant activity of essential oil and various plant extracts from *Prunus myrtifolia* (L.) Urb  
Lais Dayane Weber,  
Fabiana Gisele da Silva Pinto,  
Mayara Camila Scur,  
Juliete Gomes de Lara Souza,  
Willian Ferreira da Costa,  
Camila Wihby Leite  
African Journal of Agricultural Research 9(9):846-853, 2014  
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QUÍMICA PUBLICADAS EM 2014

Chemical composition of the essential oil obtained from *Ocimum Basilicum* (Basil) cultivated in two regions from South Brazil

Jevandro Maria Beltrame,  
Ricardo Almir Angnes,  
Lucas Ulisses Rovigatti Chiavelli,  
Willian Ferreira da Costa,  
Silvana Fernandes Montanher,  
Mauricio Ferreira da Rosa,  
Viviane da Silva Lobo,  
Armando Mateus Pomini

Journal of Essential Oil-Bearing Plants 17(4):658-663, 2014  
<http://dx.doi.org/10.1080/0972060x.2014.895212>

Chemical constituents and evaluation of antioxidant and anti-inflammatory activities of roots of *Sabicea brasiliensis* Wernh (Rubiaceae)

Jucilene Cavalini Batista,  
Silvana Maria de Oliveira Santin,  
Ivânia Teresinha Albrecht Schuquel,  
Laura Licia Milani de Arruda,  
Ciomar Aparecida Bersani Amado,  
Cecilia Maria Alves de Oliveira,  
Lucilia Kato

Heleno Dias Ferreira  
Cleuza Conceição da Silva  
Química Nova 37(4):638-642 2014  
<http://dx.doi.org/10.5935/0100-4042.20140095>

Chemical study and antiproliferative, trypanocidal and leishmanicidal activities of *Maxillaria picta*

Thiago Luis de Almeida,  
Josiane Aline Monteiro,  
Greice Kelli Pazeto Lopes,  
Lucas Ulisses Rovigatti Chiavelli,  
Silvana Maria de Oliveira Santin,  
Cleuza Conceição da Silva,  
Vanessa Kaplum,  
Debora B Scariot,  
Celso Vataru Nakamura,  
Ana Lucia Tasca Gois Ruiz,  
João Ernesto de Carvalho,  
Ricardo T de Faria,  
Armando Mateus Pomini

Química Nova 37(7):1151-1157 2014  
<http://dx.doi.org/10.5935/0100-4042.20140179>

Chemometric tools applied to the development and proximal and sensory characterization of chocolate cakes containing chia and azuki

Aline Kirie Gohara,  
Aloisio Henrique Pereira de Souza,  
Ana Beatriz Zanqui,  
Nilson Evelazio de Souza,  
Jesui Vergilio Visentainer,  
Makoto Matsushita

Acta Scientiarum technology 36(3):537-543, 2014  
<http://dx.doi.org/10.4025/actascitechnol.v36i3.19298>

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Chemometrics applied to the incorporation of omega-3 in tilapia fillet feeds flaxseed flour

Marcia Fernandes Nishiyama,  
Aloisio Henrique Pereira de Souza,  
Aline Kirie Gohara  
Hevelyse Munise Celestino dos Santos,  
Carlos Antonio Lopes de Oliveira  
Ricardo Pereira Ribeiro,  
Nilson Evelazio de Souza  
Sandra Terezinha Marques Gomes  
Makoto Matsushita  
Ciência e Tecnologia de Alimentos 34(3):449-455 2014  
<http://dx.doi.org/10.1590/1678-457x.6341>

Chemometry in undergraduate chemistry courses: a proposal for the use of multivariate analysis in the determination of pKa

Paulo Cesar de Souza Pereira,  
Camila Fabiano de Freitas,  
Cristiane Santi Chaves,  
Bianca Martins Estevao,  
Diogo Silva Pellosi,  
Andre Luiz Tessaro,  
Vagner Roberto Batistela,  
Ieda Spacino Scarminio,  
Wilker Caetano,  
Noboru Hioka  
Química Nova 37(8):1417-1425 2014  
<http://dx.doi.org/10.5935/0100-4042.20140216>

Chitosan-sheath and chitin-core nanowhiskers

Antonio Guilherme Basso Pereira,  
Edvani Curti Muniz,  
You-Lo Hsieh  
Carbohydrate Polymers 107(17):158-166, 2014  
<http://dx.doi.org/10.1016/j.carbpol.2014.02.046>

Co-doped ZnO nanoparticles synthesized by an adapted sol-gel method: effects on the structural, optical, photocatalytic and antibacterial properties

Michele Karoline Lima,  
Daniela Martins Fernandes,  
Marcela Fernandes Silva,  
Mauro Luciano Baesso,  
Antonio Medina Neto,  
Gutierrez Rodrigues de Moraes,  
Celso Vataru Nakamura,  
Angelo de Oliveira Caleare,  
Ana Adelina Winkler Hechenleitner,  
Edgardo Alfonso Gómez Pineda  
Journal of Sol-Gel Science and Technology 72(2):301-309 2014  
<http://dx.doi.org/10.1007/s10971-014-3310-z>

Computational & experimental evaluation of the structure/activity relationship of beta-carbolines as DYRK1A inhibitors

Binia Drung  
Christoph Scholz  
Valeria Aquilino Barbosa  
Azadeh Nazari

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Maria Helena Sarragiotto  
Boris Schmidt  
Bioorganic & medicinal chemistry letters 24(20):4854-4850 2014  
<http://dx.doi.org/10.1016/j.bmcl.2014.08.054>

Covalent TiO<sub>2</sub>/pectin microspheres with Fe<sub>3</sub>O<sub>4</sub> nanoparticles for magnetic field-modulated drug delivery  
Elizangela Pacheco da Silva,  
Danielly Ladeira Anibal Sitta,  
Vanessa Hafemann Fragal,  
Thelma Sley Pacheco Cellet,  
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Francielle P Garcia,  
Celso Vataru Nakamura,  
Marcos Rogerio Guilherme,  
Adley Forti Rubira,  
Marcos Hiroiuqui Kunita  
International Journal of Biological Macromolecules 67(6):43-52, 2014  
<http://dx.doi.org/10.1016/j.ijbiomac.2014.02.035>

Determination of aluminum in botanical samples by adsorptive cathodic stripping voltammetry as Al-8-hydroxyquinoline complex  
Lidia Brizola dos Santos Soares,  
Maisa Tatiane Ferreira de Souza,  
Alexandre Tadeu Paulino,  
Edivaldo Egea Garcia,  
Eurica Mary Nogami,  
Juliana Carla Garcia Moraes,  
Nilson Evelazio de Souza  
Microchemical Journal 112(1):50-55 2014  
<http://dx.doi.org/10.1016/j.microc.2013.09.016>

Determination of glyphosate and aminomethylphosphonic acid for assessing the quality tap water using SPE and HPLC  
Eduardo Luiz Delmonico,  
Janksyn Bertozzi,  
Nilson Evelazio de Souza,  
Claudio Celestino de Oliveira  
Acta Scientiarum Technology 36(3):513-519, 2014  
<http://dx.doi.org/10.4025/actascitechnol.v36i3.22406>

Developing of Mini Panettone Containing Omega-3 in Partial Substitution of Wheat Flour for Golden Linseed Flour (*Linum Usitatissimum L.*)  
Ana Beatriz Zanqui,  
Daniele Bastiani,  
Aloisio Henrique Pereira de Souza,  
Diego R Marques,  
Aline Kirie Gohara,  
Makoto Matsushita,  
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Revista Virtual de Química 6(4):968-976, 2014  
<http://dx.doi.org/10.5935/1984-6835.20140060>

Development of a system by atomization for the formation of polymeric particles in micro and sub-micro scales  
Lenita da Silva Lucio Fernandes,  
Thelma Sley Pacheco Cellet,

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Elisa M B D Souza,  
Claudia Sayer,  
Adley Forti Rubira,  
Claudio Dariva,  
Jackson A Oliveira

Colloids and Surfaces A: Physicochemical and Engineering Aspects 451(6):1-6 2014  
<http://dx.doi.org/10.1016/j.colsurfa.2014.03.020>

Development of composites based on recycled polyethylene/sugarcane bagasse fibers

Alberto Gonçalves Vieira de Carvalho Neto,

Thiago Amaral Ganzerli,

Adriano Luciano Cardozo,

Silvia Luciana Favaro,

Antonio Guilherme Basso Pereira,

Emerson Marcelo Giroto,

Eduardo Radovanovic

Polymer Composites 35(4):768-774 2014

<http://dx.doi.org/10.1002/pc.22720>

Development of molecularly imprinted poly(methacrylic acid)/silica for clean-up and selective extraction of cholesterol in milk prior to analysis by HPLC-UV

Cesar Ricardo Texeira Tarley

Debora N Clausen

Jesui Vergilio Visentainer

Analyst 139:521-527 2014

<http://dx.doi.org/10.1039/c4an00517a>

Development, characterization and chemometric analysis of a gluten-free food bar containing whole flour from a new cultivar of amaranth

Lilian Maria Pagamunici

Aloisio Henrique Pereira de Souza

Aline Kirie Gohara

Nilson Evelazio de Souza

Sandra Terezinha Marques Gomes

Makoto Matsushita

Ciência e Agrotecnologia (UFLA) 38(3):270-277, 2014

<http://dx.doi.org/10.1590/S1413-70542014000300007>

Development, characterization and chemometric analysis of gluten-free granolas containing whole flour of pseudo-cereals new cultivars

Aloisio Henrique Pereira de Souza

Aline Kirie Gohara

Lilian Maria Pagamunici

Jesui Vergilio Visentainer

Nilson Evelazio de Souza

Makoto Matsushita

Acta Scientiarum. Technology 36(1):157-163, 2014

<http://dx.doi.org/10.4025/actascitechnol.v36i1.19195>

Differences of fatty acid composition in Brazilian genetic and conventional soybeans (*Glycine max* (L.) Merrill) grown in different regions

Olivio Fernandes Galao,

Mercedes Concordia Carrao Panizzi,

Jose Marcos Gontijo Mandarino,

Oscar Oliveira Santos Junior,

Swami Area Maruyama,



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Luana Caroline Figueiredo,  
Elton Guntendorfer Bonafe,  
Jesui Vergilio Visentainer  
Food Research International 62(8):589-594, 2014  
<http://dx.doi.org/10.1016/j.foodres.2014.04.025>

Distinguishing wild and farm-raised freshwater fish through fatty acid composition: application of statistical tools

Fabiana Carbonera  
Hevelyse Munise Celestino dos Santos  
Paula Fernandes Montanher  
Vanessa Vivian de Almeida Schneider  
Ana Paula Lopes  
Jesui Vergilio Visentainer  
European Journal of Lipid Science and Technology 116(10):1363-1371 2014  
<http://dx.doi.org/10.1002/ejlt.201300339>

Drug release mechanisms of chemically cross-linked albumin microparticles: Effect of the matrix erosion

Daniela Ladeira Anibal Sitta,  
Marcos Rogerio Guilherme,  
Elisangela Pacheco da Silva,  
Artur Jose Monteiro Valente,  
Edvani Curti Muniz,  
Adely Forti Rubira  
Colloids and Surfaces. B, Biointerfaces 122(10):404-413, 2014  
<http://dx.doi.org/10.1016/j.colsurfb.2014.07.014>

Effect of an homeopathic complex on fatty acids in muscle and the performance of the Nile tilapia (*Oreochromis niloticus*)

Ana Paula Andretto  
Mariana Manfroi Fuzinato  
Elton Guntendorfer Bonafe,  
Graciela Lucca Braccini  
Ricardo Hideo Mori  
Ricardo Ribeiro Pereira  
Carlos Antonio Lopes Oliveira  
Jesui Vergilio Visentainer  
Lauro Vargas  
Homeopathy 103(3):178-185 2014  
<http://dx.doi.org/10.1016/j.homp.2014.02.001>

Effect of cis-tetrahydro-beta-carboline-1(m-nitrophenyl)-3-carbomethoxy on *Leishmania amazonensis*

Tania Ueda Nakamura  
Patricia Mayumi Honda  
Elizandra Aparecida Britta  
Talitha Fernandes Stefanello  
Adriana Oliveira Santos  
Maria Helena Sarragiotto  
Celso Vataru Nakamura  
Journal of Advances in Biology 4(2):351-358 2014  
[http://cirworld.org/journals/index.php/jab/article/view/3892/pdf\\_40](http://cirworld.org/journals/index.php/jab/article/view/3892/pdf_40)

Effect of dietary replacement of sunflower oil with perilla oil on the absolute fatty acid composition in Nile tilapia (GIFT)

Fabiana Carbonera,  
Elton Guntendorfer Bonafe,

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Clayton Antunes Martin,  
Paula Fernandes Montanher,  
Ricardo Pereira Ribeiro,  
Luana Caroline Figueiredo,  
Vitor de Cinque Almeida,  
Jesui Vergilio Visentainer  
Food Chemistry 148(4):230-234 2014  
<http://dx.doi.org/10.1016/j.foodchem.2013.10.038>

Effect of Different Dopants in Films TEOS / MPTS Used to Protect the Carbon Steel  
FS Silva  
PH Suegama  
W P da Silva  
Andrelson Wellington Rinaldi  
Nelson Luis de Campos Domingues  
MYMatsumoto  
LG Salazar  
Materials Science Forum 805:167-171 2014  
<http://dx.doi.org/10.4028/www.scientific.net/MSF.805.167>

Effect of feeding phenolic compounds from propolis extracts to dairy cows on milk production, milk fatty acid composition, and the antioxidant capacity of milk  
S C Aguiar  
Solange Maria Cottica  
Joana Schuelter Boeing  
R B Samensari  
Geraldo Tadeu dos Santos  
Jesui Vergilio Visentainer  
L M Zeoula  
Animal Feed Science and Technology 193(7):148-154 2014  
<http://dx.doi.org/10.1016/j.anifeedsci.2014.04.006>

Effect of the dietary inclusion of dried oregano (*Origanum vulgare* L.) on the characteristics of milk from Holstein x Zebu cows  
E C Q LACERDA  
L C BAUER  
J S OLIVEIRA  
F F SILVA  
S A CARVALHO  
M S MACEDO  
Nilson Evelazio de SOUZA  
Julliana Isabelle SIMIONATO  
Animal Feed Science and Technology 192(6):101-105 2014  
<http://dx.doi.org/10.1016/j.anifeedsci.2014.03.007>

Effects of cadmium and copper biosorption on *Chlorella vulgaris*  
Fabiano C P de Abreu  
Pericles N M da Costa  
Ariadne M Brondi  
Eduardo Jorge Pilau  
Fabio C Gozzo  
Marcos Nogueira Eberlin  
Marcello G Trevisan  
Jerusa S Garcia  
Bulletin of Environmental Contamination and Toxicology 93(4):405-409 2014  
<http://dx.doi.org/10.1007/s00128-014-1363-x>

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QUÍMICA PUBLICADAS EM 2014

Evaluation of beetroot (*Beta vulgaris* L.) leaves during its developmental stages: a chemical composition study

Polyana Batoqui Franca Biondo  
Joana Schuelter Boeing  
Erica Oliveira Barizao  
Nilson Evelazio de Souza  
Makoto Matsushita  
Claudio Celestino de Oliveira  
Marcela Boroski  
Jesui Vergilio Visentainer  
Ciencia e Tecnologia de Alimentos 34(1):94-101 2014  
<http://dx.doi.org/10.1590/S0101-20612014005000007>

Evaluation of solvent effect on the extraction of phenolic compounds and antioxidant capacities from the berries: application of principal component analysis

Joana Schuelter Boeing,  
Erica Oliveira Barizao,  
Beatriz Costa e Silva,  
Paula Fernandes Montanher,  
Vitor de Cinque Almeida,  
Jesui Vergilio Visentainer  
Chemistry Central Journal 8(1):48-56, 2014  
<http://dx.doi.org/10.1186/s13065-014-0048-1>

Experimental (liquid+liquid) equilibrium data for ternary and quaternary mixtures of fatty acid methyl and ethyl esters (FAME/FAEE) from soybean oil.

Stephani C Beneti  
Marcelo Lanza  
Marcio A Mazutti  
Marcos Hiroiuqui Kunita  
Lucio Cardozo Filho  
J Vladimir Oliveira  
The Journal of Chemical Thermodynamics 68(1):60-70, 2014  
<http://dx.doi.org/10.1016/j.jct.2013.08.032>

Fish oil improves anxiety-like, depressive like and cognitive behaviors in olfactory bulbectomised rats

Claudia Pudell  
Bianca A Vicente  
Ana M Delattre  
Bruno Carabelli  
Marco A Mori  
Deborah Suchecki  
Ricardo B Machado  
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Daniel Rinaldo  
Eliana A Varanda

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Daniela Antunes Montani  
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Amanda Begatii Victorino  
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Eduardo Jorge Pilau  
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Deoclecio Jose Barilli  
Mayara Santarosa  
Ana Beatriz Zanqui  
Wilson Rogerio Boscolo  
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Bran  
Beatriz Costa e Silva,  
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Influence of a diet enriched with Perilla Seed Bran on the composition of omega-3 fatty acid in Nile Tilapia

Hevelyse Munise Celestino dos Santos

Marcia Fernandes Nishiyama

Elton Guntendorfer Bonafe

Carlos Antonio Lopes de Oliveira

Makoto Matsushita

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Jesui Vergilio Visentainer

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Influence of synthesis conditions on the properties of electrochemically synthesized BaTiO<sub>3</sub> nanoparticles

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L P Costa

Thelma Sley Pacheco Cellet

Adley Forti Rubira

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Camila Fabiano de Freitas

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Wilker Caetano

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Ronnie Edson da Silva

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Jose Marcos G Mandarinó  
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Pamela G Reis  
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Microesfera magnética sítio-específica à base de pectina e dióxido de titânio para liberação controlada de fármacos

Adley Forti Rubira  
Marcos Hiroiuki Kunita  
Marcos Rogerio Guilherme  
Elisângela Pacheco da Silva  
Patente: Privilégio de Inovação. Número do registro: BR1020140317406 INPI - Instituto Nacional da Propriedade Industrial. Depósito: 18/12/2014

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Adonilson dos Reis Freitas  
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Camila Santos Suniga Tozatti  
Ernani Abicht Basso  
Layara Akemi Abiko  
Diego Alberto Santos Yamazaki  
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Lilian Maria Pagamunici  
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Vitor de Cinque Almeida  
Rafael da Silva  
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Lucas Ulisses Rovigatti Chiavelli  
Ana Lucia Tasca Goes Ruiz  
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Jader Leandro Aparicio  
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Silvia Luciana Favaro

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Leticia Caroline Bonkovoski  
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Processo de aplicação de zeolitas sintetizadas usando as cinzas do bagaço de cana de açúcar na adsorção de CO<sub>2</sub>

Eduardo Radovanovic

Murilo Pereira Moises

Joziane Gimenes Meneguim

Pedro A Arroyo

Patente INPI BR1020140099034 data deposito 25/04/2014

Processo de preparação de estruturas metalorgânicas porosas utilizando embalagens multicamadas como fonte de ácido tereftálico

Joziane Gimenes Meneguim

Murilo Pereira Moises

VADuarte

Cleiser Thiago Pereira da Silva

Tiago Amaral Ganzerli

Eduardo Radovanovic

Emerson Marcelo Giroto

Silvia Luciana Favaro

Pedro Augusto Arroyo

Andrelson Wellington Rinaldi

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Production and characterization of Maltodextrins and its application in microencapsulation of food compounds by spray drying

Marcos Vieira da Silva

Bogdan Demczuk Junior

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Propolis or cashew and castor oils effects on composition of Longissimus muscle of crossbred bulls finished in feedlot

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M V Valero

J A Torrecilhas

F Zawadzki

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Psidium cattleianum fruit extracts are efficient in vitro scavengers of physiologically relevant reactive oxygen and nitrogen species

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SAS Corradini  
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Alessandra Braga Ribeiro  
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Superparamagnetic maghemite loaded poly ( $\epsilon$ - caprolactone) nanocapsules: characterization and synthesis optimization  
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Synthesis and antitumor activity of novel 1-substituted phenyl 3-(2-oxo-1,3,4-oxadiazol-5-yl)  $\beta$ -carbolines and their Mannich bases  
Franciele Cristina Savariz  
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Synthesis of zeolite from multilayer food packing and sugar cane bagasse ash for CO<sub>2</sub> adsorption  
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Synthesis of ZnCl<sub>2</sub>-activated carbon from macadamia nut endocarp (*Macadamia integrifolia*) by microwave-assisted pyrolysis: Optimization using RSM and methylene blue adsorption  
Osvaldo Pezoti Junior,  
Andre Luis Cazetta,  
Ralph da Costa Gomes,  
Erica Oliveira Barizao,  
Isis Pelegrini Andrade Fukumoto de Souza,  
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The control of isariopsis leaf spot and downy mildew in grapevine cv. Isabel with the essential oil of lemon grass and the activity of defensive enzymes in response to the essential oil

A J Maia

J S B Oliveira

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C M R Faria

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Crop Protection 63:57-67 2014

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The impact of dietary sugarcane addition to finishing diets on performance, apparent digestibility, and fatty acid composition of Holstein x Zebu bulls

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SC Valadares Filho

TE Engle

LF Costa e Silva

DFT Sathler

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Elton Guntendorfer Bonafe

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The study of biocatalyzed thio-Michael reaction: a greener and multi-gram protocol

Paula V S Rizzo

Ligia A Boarin

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The use of a natural coagulant (*Opuntia ficus-indica*) in the removal for organic materials of textile effluents

Maisa Tatiane Ferreira de Souza,

Elizangela Ambrosio,

Cibele Andrade de Almeida,

Thabata Karoliny Formicoli de Souza Freitas,

Lidia Brizola Santos,

Vitor de Cinque Almeida,

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Thermally activated carbon from bovine bone: optimization of synthesis conditions by response surface methodology

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Transferência de antioxidantes de frutas brasileiras para água potável  
Joana Schuelter Boeing  
Lucas Ulisses Rovigatti Chiaveli  
Jesuí Vergílio Visentainer  
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Transport properties of ephedrine hydrochloride through poly(vinyl alcohol) matrices-a simple method for enantiomeric differentiation  
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Using chemometric techniques to characterize gluten-free cookies containing the whole flour of a new quinoa cultivar  
Lilian M Pagamunici,  
Aline Kirie Gohara,  
Aloisio Henrique P Souza,  
Paulo Roberto Stival Bittencourt,  
Alex Sanches Torquato,  
Weliton P Batiston,  
Sandra Terezinha Marques Gomes,  
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Variações na biodisponibilidade do cobre em solo tratado com lodo de esgoto enriquecido com o metal.  
Fernando Fabris Sodre  
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Vismia cauliflora extracts: bioactive compounds and the in vitro scavenging capacity against reactive oxygen and nitrogen species

Renan Campos Chist

Alessandra Braga Ribeiro

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Marisa Freitas

Jesui Vergilio Visentainer

Eduarda Fernandes

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Yield, viscosity, and gel strength of wami tilapia (*Oreochromis urolepis hornorum*) skin gelatin:

Optimization of the extraction process

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Zinc oxide composites prepared by in situ process: UV barrier and luminescence properties

Marcos Roberto Mauricio,

Daniel S Velasco,

Marcos Rogério Guilherme,

Marcos Hiroiuqui Kunita,

Antonio Medina Neto,

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Zn[aminoacid]<sub>2</sub> hybrid materials applied as heterogeneous catalysts in the synthesis of  $\beta$ -enaminones

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