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HASIL PENILAIAN SEJAWAT SEBIDANG ATAU PEER REVIEW
KARYA ILMIAH : JURNAL ILMIAH C 5**

Judul Publikasi Ilmiah (Artikel) : Synthesis of Ionic Imprinted Polymer Particle for Selective Membrane Transport of Fe(III) using Poly Eugenol as the Functional Polymer

Jumlah Penulis : 4 orang

Status Pengusul : penulis pertama/utama

Identitas Jurnal Ilmiah

a. Nama Jurnal Ilmiah: Oriental Journal of Chemistry

b. Nomor ISBN/ISSN : ISSN : 0970 - 020X, ONLINE ISSN : 2231-5039

c. Volume, Nomor, Bulan, Tahun : Volume 32 (1) Maret 2016

d. Penerbit : Scientific Publisher, India

e. DOI artikel (jika ada) : DOI : <http://dx.doi.org/10.13005/ojs/320107>

f. Alamat web jurnal : <http://www.orientchem.org/vol32no1/synthesis-of-ionic-imprinted-polymer-particles-for-selective-membrane-transport-of-iii-using-polyeugenol-as-the-functional-polymer/>

g. Terindeks di SCOPUS (category : Q3), Thomson Reuters, Index Copernicus, USASOPUS (The Netherlands), UGC Aproved Journals, UGC Approved Journals, Harvard Library, dsb

c. Jumlah Halaman : 8 (77-84)

Kategori Publikasi Jurnal Ilmiah : Jurnal Ilmiah Internasional / Internasional Bereputasi **

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	(40)		
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c. Kecukupan dan kemutakhiran data/informasi dan metodologi (30%)	12		10,5
d. Kelengkapan unsur dan kualitas penerbit (30%)	12		8,5
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2. Ruang lingkup dan kedalaman pembahasan:	: Fokus dan Scope dari jurnal adalah interdisciplinary medium covering almost all aspects of chemistry viz. Inorganic, Organic, Physical, Analytical as well as Biochemistry, Coordination Chemistry, Electrochemistry, Computational Chemistry, Spectroscopy, Pharmaceutical Chemistry, Chemical Physics, Nano Chemistry, Phytochemistry, Chemistry of petroleum, Minerals, Polymers Food, Soil, Water as well as Environmental Chemistry. Artikel berisi tentang material membran dan uji dalam proses adsorpsi logam berat Fe. Tema ini masih termasuk dalam scope jurnal. Pembahasan sebagian masih diumpai berpentuk discripsi untuk beberapa alinea, namun pembahasan sudah ada alinea yang menyajikan perbandingan dengan hasil penelitian penelitian Ybs. Metode yang digunakan dalam penulisan juga cukup baik demikian juga eksperti men. Data dan pembahasan masih berisi curi kerja. (skor= 10,0).
3. Kecukupan dan kemutakhiran data/informasi dan metodologi	: Literatur yang digunakan terbaru adalah tahun 2015. Untuk poly eugenol masih berasal dari penulis sendiri. Data secara kuantitatif dan kualitatif banyak disajikan (skor= 10,5).
4. Kelengkapan unsur dan kualitas terbitan:	: Penerbit dari Scientific Publisher, India, Editor Internasional beragama.

untuk tahun 2012-2017 untuk bidang chemistry dan Q4 untuk bidang
biochemistry, drug discovery dan environmental chemistr). Ada Article
Processing charge. Artikel diproses hanya 1 bulan / 20 hari antara
penerimaan dan Accepted (skor= 8.5).

4/10/18
Semarang,
Reviewer 1

Bidang ilmu/Unit kerja :Teknik Kimia/ Universitas
Diponegoro

Prof. Dr. Widayat, MT
NIP. 19720906 199803 1001

**LEMBAR
HASIL PENILAIAN SEJAWAT SEBIDANG ATAU PEER REVIEW
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Hasil Penilaian Peer Review

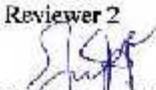
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c. Kecukupan dan kemutakhiran data/ informasi dan metodologi (30%)	12			8,5
d. Kelengkapan unsur dan kualitas penerbit (30%)	12			9,5
Total = (100 %)	40			30
Nilai Pengusul =	0,6 × 30			18

Catatan Penilaian artikel oleh Reviewer :

1. Kesesuaian dan kelengkapan unsur isi jurnal:	: Isi dari artikel meliputi title, abstract, introduction, experimental, results and discussion, conclusion, dan References. Penulisan daftar pustaka (2 & 20) tidak konsisten. Tidak ada tujuan penulisan sehingga kesimpulan tidak bisa dijustifikasi (skor = 3).
2. Ruang lingkup dan kedalaman pembahasan:	: Artikel ini menyajikan hasil penelitian mengenai sintesis membrane eugenol diterapkan dalam proses pemisahan ion logam berat Fe(3+) sehingga masih dalam lingkup jurnal (environmental chemistry). Kesimpulan sesuai dengan tujuan penelitian. Hasil penelitian dibahas kurang mendalam dan tidak didukung dengan pustaka yang baik. Sebagian pembahasan hasilnya dibandingkan dengan para peneliti sebelumnya. Dalam naskah bab pembahasan hanya terdapat 5 rumus (25%) dari 16 daftar pustaka. Penulis cenderung mengulang menjelaskan prosedur percobaan (skor = 9).
3. Kecukupan dan kemutakhiran data/informasi dan metodologi	: Pustaka yang digunakan pada umumnya cukup mutakhir, hanya beberapa yang tua (ada 6 dari 20 pustaka ± 30%). Pustaka yang digunakan dalam pembahasan hanya 5 dari 20 pustaka. Bahkan pada metodologi justru tidak berdasarkan pada pustaka sama sekali (skor = 8,5).
4. Kelengkapan unsur dan kualitas terbitan:	: Jurnal Orient J. Chem. tergolong dalam Q4 Scopus (environmental chemistry) dan Q3 (Miscellaneous Chemistry) dengan h-Index 15 dan SJR 0.2 cenderung menurun ketika artikel ini terbit. Penggunaan Bahasa Inggris dalam jurnal ini kurang begitu baik. Jurnal diterbitkan oleh Scientific Publisher, India dan Editor dan penulis berasal dari lebih dari 8 negara. Terdapat 15-40 artikel untuk sekali terbit (4 kali terbit dalam setahun). Kualitas grafik kurang baik dan tidak konsisten tulisannya. Lama proses review normal (3 bln) (skor = 9,5).

Semarang,
Reviewer 2

Bidang ilmu/Unit kerja : Teknik Kimia/ Universitas
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Prof. Dr. Andri Cahyo Kurnoro, ST, MT.
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Oriental Journal of Chemistry
Volume 32, Issue 1, 2016, Pages 77-84

Synthesis of ionic imprinted polymer particles for selective membrane transport of Fe(III) using polyeugenol as the functional polymer (Article)

[\(Open Access\)](#)

Djunaidi, M.C.^{a,b} ✉, Jumina^b, Siswantaanta, D.^b, Ulbricht, M.^c 👤

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^aDepartment of Chemistry, Faculty of Science and Mathematics, Diponegoro University, Indonesia

^bDepartment of Chemistry, Faculty of Mathematics and Natural Sciences, Gadjah Mada University, Indonesia

^cLehrstuhl für Technische Chemie II, Fakultät für Chemie, University at Duisburg-Essen, Essen, Germany

Abstract

The preparation of Ionic Imprinted Polymer (IIP) particles for selective membrane transport of Fe(III) had been done using polyeugenol as functional polymer and PVA (polyvinyl alcohol) (Mr 125,000) solution in 1-Methyl-2-pyrrolidone (NMP) solvent as membrane base. The membrane was then cut and Fe(III) was removed by acid to produce IIP particles membrane. Analysis of the membrane and its constituent was done by IR, SEM and also TOC analysis. Experimental results showed the transport of Fe(III) was faster with the decrease of membrane thickness and the higher concentration of template. However, the transport of Fe(III) was slower for higher concentration of PVA (Polyvinyl Alcohol) in the membrane. The selectivity of all IIP particles membrane was confirmed as they were all unable to transport Cr(III), while NIP (Non-imprinted Polymer) membrane was able transport Cr(III).

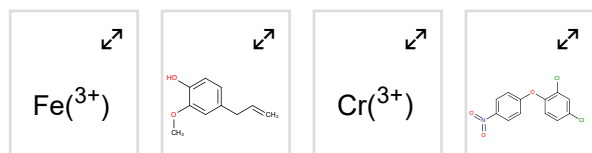
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Topic: Adsorption | Ions | Ion-imprinted polymer

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Crosslinking IIP particles membrane Polyeugenol Selective transport

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Recent advances in ion-imprinted membranes: Separation and detection: Via ion-selective recognition

Lu, J. , Qin, Y. , Wu, Y. (2019) *Environmental Science: Water Research and Technology*

The Impact of Template Types on Polyeugenol to the Adsorption Selectivity of Ionic Imprinted Polymer (IIP) Fe Metal Ion

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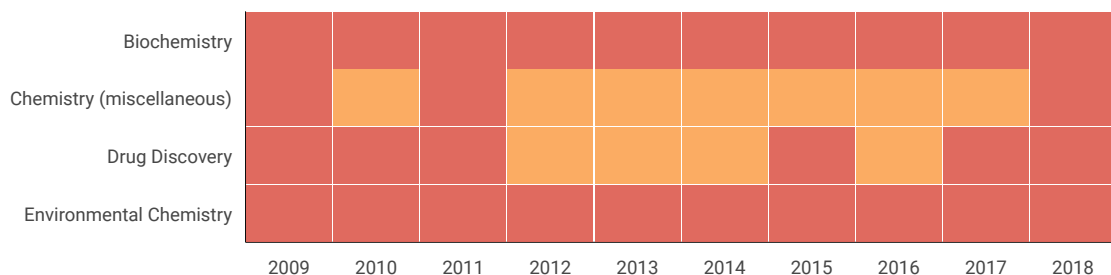
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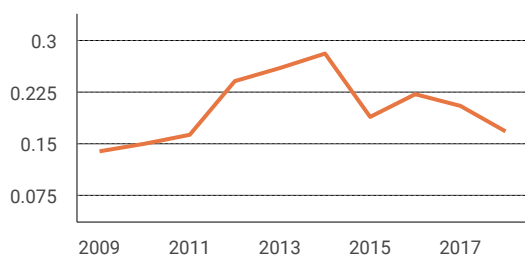
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Scope	<p>Oriental Journal of Chemistry was started in 1985 with the aim to promote chemistry research. The journal consists of articles which are rigorously peer-reviewed. The journal was indexed in Emerging Science citation index in 2016. The Editorial board member consists of eminent international scientist in all fields of Chemistry. Details of each member and their contact information is mentioned in website. The journal has thorough ethics policies and uses plagiarism detection software(ithenticate) to screen each submission. The journal has recently partnered with publons as a part of making our reviews more transparent. The journal has recently incorporated PlumX for article level matrix. The journal is promoting research on all social and academic platforms mentioned in PlumX guidelines. The journal uses google maps to improve on the geographical distribution of Editorial board members as well as authors.</p>
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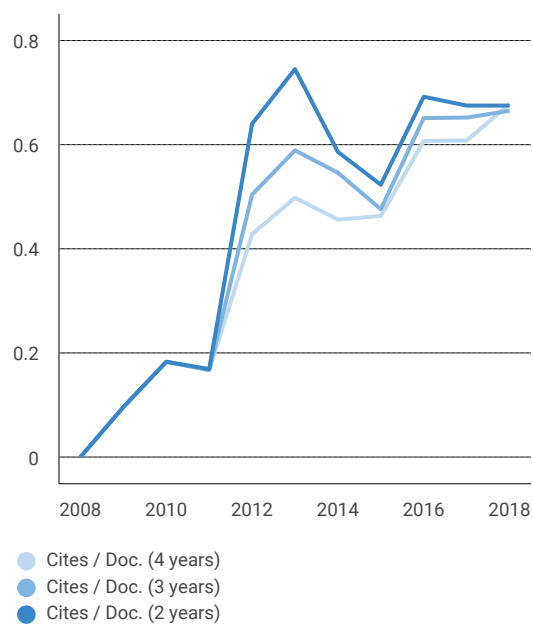
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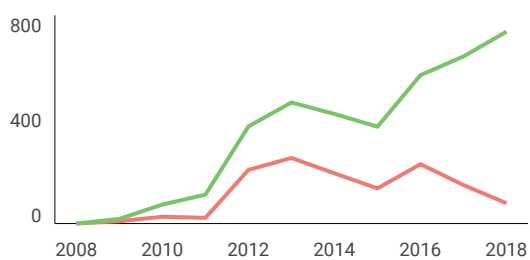
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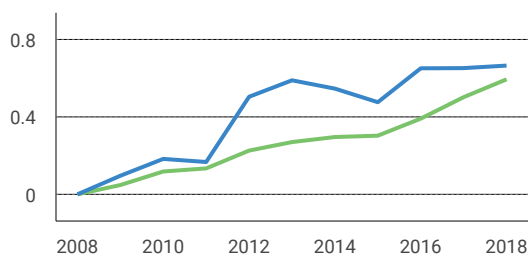
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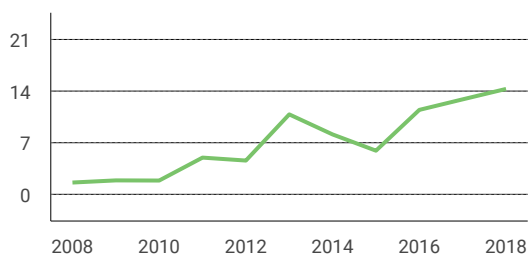
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reply



Melanie Ortiz 6 months ago

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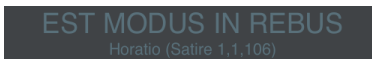
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Muazzam Sherif Maqbul¹, Yumna Abdulmalek Bokhari², Samaher Gumaan Basalib², Shaden Nabil Alhelal², Bashair Mohammed Mahmoud Omar², Aejaz A. Khan³, S.M. Shakeel Iqbal^{3*} and Tasneem Mohammed³

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S.S. Parmar¹, A. Aggarwal^{2*}, M.L. Sehgal³, Sunaina Singh² and Midas Tsai²

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Kongsak Pattarith¹ and Rachadaporn Benchawattananon^{2*}

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Structure-based virtual screening campaigns on curcuminoids as potent ligands for histone deacetylase-2

Enade Perdana Istyastono,^{1,*} Arief Nurrochmad,² and Nunung Yuniarti²

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Biddut Chandra Sarker^{1*}, Md. Abdul Baten¹, Md. Ekram Ul Haque², Ahmed Hossain³, Md. Zahedul Hasan¹ and Shikha Sarker⁴

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A. Shameil^{1*}, E. Balali², R. Khadivei² and S. Shojaei²

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Rasha A. Ahmed^{1,2}

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Hamza Bensaci, Lakhdar Sekhri, * Abdelalaali Atmani and Ahmed Tabchouche

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Comparative Study of Molecular Interactions in Binary Liquid Mixtures of 4-Methyl-2-pentanone With Butan-2-One, Furfuraldehyde, Cyclohexanone At 308 K

D. Ubagaramary, Kesavaswamy and Muthu Vijayan Enoch

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A comparative study of the chemical composition of the essential oil from Eucalyptus globulus growing in Dehradun (India) and around the world.

Archana Joshi¹, Ashutosh Sharma¹, R. K. Bachheti^{1*} and D. P. Pandey²

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Determination of Micro minerals in Milk from Farm and Pasture-reared Cow, Goat and Camel; using Inductively Coupled Plasma-Optical Emission Spectrometry

SirelkhatimBalla Elhardallou¹ and Ashraf Yehia El-naggar^{1,2}

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Spectroscopic examinations, antimicrobial and anti-corrosive evaluations of polyurethanes synthesized from Thevetia peruviana seed oil

T. O. Siyanbola^{1*}, A. F. Akinsola², J. A. Adekoya¹, K. O. Ogunniran¹, O. A. Jokotagba³, A. Edobor-Osoh¹, C. O. Akitayo⁴, O. Olaofe² and E.T. Akitayo²

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K-10 and KSF clays as green and recyclable heterogeneous catalysts for the Cannizzaro reaction using DABCO under MWI and solvent-free conditions

Omid Marvi* and Maryam Talakoubi

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Dina Abdemanafi^{1*}, Amir-Hussain Meshkatee², Sohrab Hajjam² and Majid Vazifedoust³
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Unexpected synthesis of three components from the reaction of 4-chloro-3-formylcoumarin with hydroxylamine hydrochloride

Ahmed Elkhateeb^{1,2}, Ashwag S. Alshehri¹, Gilbert Kirsch³ and Sh. H. Abdel-Hafez^{1,4}
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Transesterification of castor oil using MgO/SiO₂ catalyst and coconut oil as co-reactant

Kamisah D. Pandiangan^{1,2}, Novesar Jamarun^{1*}, Syukri Arief¹ and Wasinton Simanjuntak²
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Almaz Mullayanovich Khanov, Karim Ravilevich Muratov and Evgeniy Anatolyevich Gashev

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S. Annouar^{1,2}, A. Moufti¹, S. Mountadar¹, M. Mountadar¹ and A. Soufiane²
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Identification of the Relation and System aticresearch of The Nature of Intermolecular Interactions and Acquired Physical Properties of Objects formed.

Saif A. Mouhammad* and Muhammad A. Al-Jalali

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Synthesis, characterization, theoretical treatment and antitubercular activity evaluation of (E)-N'-(2,5-dimethoxybenzylidene) nicotinohydrazide and some of its transition metal complexes against Mycobacterium tuberculosis, H37Rv

Ogunniran Kehinde^{1,*}, Adekoya Joseph¹, Siyanbola Tolutope¹, Aladesuyi Olanrewaju¹, Ajanaku Christiana¹, Akinlolu Kayode¹, Mehdi Shihab Salih² and Narender Tadigoppula³
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Behrad Mosavar Rahmani and Hamid Reza Ghorbani*

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Atefeh Ekhtesasi and Masoud Reza Shishehbore*

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Basant Shubhankar*, and Balram Ambade

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Mamta Sharma¹ and Minakshi Sharma*

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Towards the First Total Synthesis and Anticancer Screening of Polycarponin C: A Cyclic Octapeptide

Nirmala V. Shinde*¹, Avinash S. Dhake² and Kishan P. Haval³

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Characteristics and seasonal variation of Carbonaceous and Water soluble organic Components in the aerosols over East India

Basant Shubhankar^{1*}, Balram Ambade¹, Sudhir Kumar Singh² and Sarita Gajbhiye Meshram³

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Prediction of vapour-liquid equilibrium for n-alkane fluids

Binay Prakash Akhouri^{1*}, Khurshid Akhtar² and Tej Prakash Akhouri¹

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Synthesis and Antioxidant Ability of New 5-amino-1,2,4-Triazole Derivatives Containing 2,6-dimethoxyphenol

Dhuha Faruk. Hussain*

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Saideh Bagheri*

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Synthesis of Some Novel Compounds of Saccharinyl Acetic Acid Containing Nucleus and Evaluation of Their Biological Activities as Antimicrobial

Magda H. Abdellattif

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Determination of Cd(II), Zn(II) and Ag(I) in different matrixes after solid phase extraction on sodium dodecyl sulfate(SDS)-coated alumina as their 2,3 Di Hydro 2,3 paratolyQinazoline (1 H)- 4 one (DPTQO) by Flame atomic absorption spectrometric

Farveh Raoufi^{1*}, Saideh Bagheri^{2,3}, Pedram Nasehi², Ebrahim Niknam⁴, Khodabakhsh Niknam⁵ and Hamid Reza Farmani⁶

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Khalida Al-Azawi

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Thermodynamic study of Cr³⁺ ions removal by "MnO₂/MWCNT" nanocomposite

Shima Mohammadkhani^{1*}, M. R. Gholami^{2, 3} and M. Aghaie⁴

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A Stability-Indicating High Performance Liquid Chromatographic Method for the Determination of Nelarabine

S. Vidyadhara, R. L. C Sasidhar*, B.Venkateswara Rao, T. Saibabu and D. Lakshmi Harika

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Potentiometric studies on the binary and mixed ligand complexes in solution: Zn(II) - Amlodipine - Amino acids systems

Lamia A. Al-bedair^{1,2}

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Spectrophotometric Estimation of Drugs Using N-Bromo Succinamide and Indigo Carmine Couple

M. Sasikala¹, P. Priyanka², T. Vinod Kumar¹ and G. Venkateshwarlu^{1*}

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Fabrication a composite electrode based on MWCNT/Zelite for potentiometric determination of Cr³⁺

Zahra Heidari, Mahboubeh Masroumia*, and Razea Sannavii Khoshnood

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Structure and Nonlinear Optical Properties Study of 2-amino-5-chlorobenzophenone: A Spectroscopic Approach

C. Jesintha John^{1,2}, D. Manimaran¹, I. Hubert Joe^{1*}, George Lukose³ and Sherifa Rahim⁴

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J. S. Al-Otaibi and Z. M. Tulbah*

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Bioanalytical Method Development and Validation for Simultaneous Estimation of Paracetamol and Cefixime by using RP-HPLC in Rabbit PlasmaRaveendra Babu¹, A. Lakshmana Rao^{2*} and J. Venkateswara Rao³[\[HTML Full Text \]](#) [\[Abstract \]](#) [\[PDF \]](#) [\[XML \]](#)DOI : <http://dx.doi.org/10.13005/ojc/320178>

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Quantification of Drugs and Pharmaceuticals Using N-Bromosuccinimide and Methyl

Sayanna Kondamadgu and Venkateswarlu Gandu*

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