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Coverage Analysis of Complete Basic Immunization (CBI) in Pekalongan District during COVID-19 Pandemic Period with Rapid Card Check Survey in Pandemic Era

[Jati, Sutopo Patria^a](#) ; [Sriatmi, Ayun^a](#); [Martini, Martini^b](#); [Agushybana, Farid^c](#)

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Kharitonov, D.Yu. , Gladskikh, N.A. , Podoprigora, A.V. (2022) *Journal of Medicinal and Chemical Sciences*

Analysis of Conocurvone, Ganoderic acid A and Oleuropein molecules against the main protease molecule of COVID-19 by in silico approaches: Molecular dynamics docking studies

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Abstract

The goal of the immunization program is to provide protection from diseases that can be prevented by immunization (PD3I), such as tuberculosis, diphtheria, tetanus, polio, hepatitis B, and measles. Therefore, optimizing the immunization coverage is very important. The coverage of complete basic immunization in Pekalongan District decreased to 88.4% in 2017, while 7 cases of measles were still found. Further, the coverage of immunization has been a challenge in the COVID-19 pandemic situation. The objective of this study was to analyze the complete basic immunization coverage in Pekalongan Regency using Rapid Card Check. This study used an analytic observational design with

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The mean HI in IMRT was significantly lower than HI in VMAT.

The mean CI in IMRT was significant compared to the mean CI, results on better PTV dose shaping by using IMRT technique.

[Intensity Modulated Radiation and Volumetric Modulated Arc Therapies in Breast Cancer](#)

May Z. Saddik; Fatiheea F. Hassan

Volume 6, Issue 9 , September 2023, Pages 1925-1934

<https://doi.org/10.26655/JMCHMSCI.2023.9.1>

Abstract Background: Breast cancer is the most common malignant neoplasm in women, accounting for 25% of all cancers. Radiotherapy is one of the safest methods compared with other treatments. Methods: ... [Read More](#)

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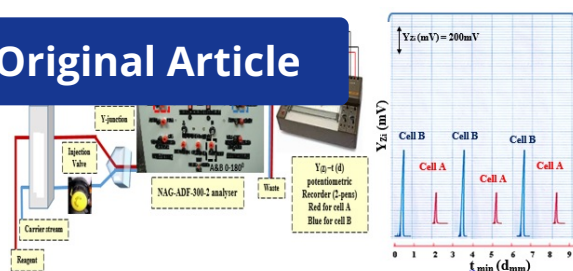
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Volume 1 (2018)

Number of Articles: 20

Original Article



[Chlorpromazine-HCl Determination via Its Oxidation with Sodium Nitrite in Sulfanilic Acid Medium via CFIA Technique through Long Distance Chasing Photometer NAG-ADF-300-2](#)

Nagam S. Turkey; Ghadah Fadhel

Volume 5, Issue 3, May and June 2022, Pages 283-298

<https://doi.org/10.26655/JMCHEMSCI.2022.3.1>

Abstract In this work, precipitation reaction with a new photometer NAG-ADF-300-2 analyzer was used to detect chlorpromazine hydrochloride by attenuation of incident light (White Snow Light ... [Read More](#)

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Original Article



[Histological and Immunohistochemical Study on the Effects of Hypothyroidism on Seminal Vesicle of Adult Albino Rat and Possible Ameliorating Role of Selenium](#)

Eman G. Alhealy; Maysoon M. Alqazzaz; Wahda M T AL-Nuaimy

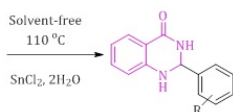
Volume 5, Issue 3 , May and June 2022, Pages 299-307

<https://doi.org/10.26655/JMCHEMSCI.2022.3.2>

Abstract Hypothyroidism is a common metabolic disorder that influences the function of many organs including the seminal vesicle which plays a key role in male fertility process. ... [Read More](#)

[View Article](#)  [PDF](#) 1022.26 K

Original Article



[Solvent-free Synthesis and Antimicrobial Activity of Dihydroquinazolinone Derivatives](#)

Navid Keikhosravi; Esmaeil Dehghan-Ghahfarokhi; Soosan Abdollahi; Majid Piramoon; Javad Ghasemian-Yadegari; Rezvan Rezaeinasab

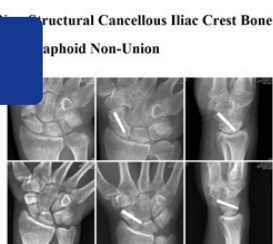
Volume 5, Issue 3 , May and June 2022, Pages 308-314

<https://doi.org/10.26655/JMCHEMSCI.2022.3.3>

Abstract In this research, a new series of dihydroquinazolinone analogs (4a-f) was synthesized using a one-pot reaction supporting solvent-free conditions at the presence of SnCl₂.2H₂O as catalyst. ... [Read More](#)

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Original Article



[Treatment of Scaphoid Non-Union by Iliac Cancellous Bone](#)

Bilal Salman Wafeeq; Mohamed Hazim M. Noori; Saif Mohamed Kani

Volume 5, Issue 3 , May and June 2022, Pages 315-320

<https://doi.org/10.26655/JMCHEMSCI.2022.3.4>

Abstract This study investigated the outcomes of headless compression screw fixation and cancellous iliac crest bone graft chips procedure in the management of scaphoid waist non-union. The ... [Read More](#)

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Original Article

Self-Medication

Potential risks

Individual level

Community level

Individual level

Community level

Internal Dynamics of Self –Medication (SM)

Deepak Kumar Singh; B. Chandra Mohan Patnaik; Ipseeta Satpathy

Volume 5, Issue 3 , May and June 2022, Pages 321-334

<https://doi.org/10.26655/JMCHEMSCI.2022.3.5>

Abstract Recently, especially during Covid-19, there has been an increasing trend of Self-Medication (SM) in rural and semi urban areas of India. There are various contributing factors ...

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Original Article



The Effect of Drying Time of Silane Coupling Agent on the Hardness of Fiber-Reinforced Composite for Dental Applications

Faizah Ariyani; Mutiara Anindhita

Volume 5, Issue 3 , May and June 2022, Pages 335-340

<https://doi.org/10.26655/JMCHEMSCI.2022.3.6>

Abstract Treatment of tooth decay includes caries or pulp necrosis, necessitates crown restoration and the creation of a post. Non-metallic pegs, one of which is fiber-reinforced composite (FRC), ... [Read More](#)

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Original Article



Coverage Analysis of Complete Basic Immunization (CBI) in Pekalongan District during COVID-19 Pandemic Period with Rapid Card Check Survey in Pandemic Era

Sutopo Patria Jati; Ayun Sariatmi; Martini Martini; Farid Agushybana

Volume 5, Issue 3 , May and June 2022, Pages 341-348

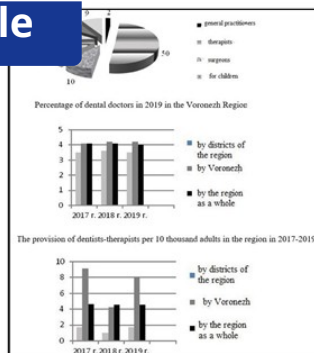
<https://doi.org/10.26655/JMCHEMSCI.2022.3.7>

Abstract The goal of the immunization program is to provide protection from diseases that can be prevented by immunization (PD3I), such as tuberculosis, diphtheria, tetanus, polio, hepatitis ... [Read More](#)

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Original Article

Dental services in reducing oral diseases without the need for pharmaceutical services



The Role of Modern Methods of Dental Services in Reducing Oral Diseases without the Need for Pharmaceutical Services

D. Yu. Kharitonov; N.A. Gladskikh; A.V. Podoprigora; V.V. Dmitriev; N.S. Moiseeva; R.A. Kostin

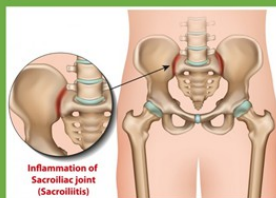
Volume 5, Issue 3, May and June 2022, Pages 349-354

<https://doi.org/10.26655/JMCHEMSCI.2022.3.8>

Abstract Oral diseases such as dental caries, pharyngeal cancers, and periodontitis are the global health problems, particularly in developing nations. In several developing nations, oral health ... [Read More](#)

[View Article](#) PDF 882.12 K

Original Article



Epidemiological and Pharmacal Study of Ankylosing Spondylitis in a Rheumatology Clinic in a Tertiary Health Care Center

Fatemeh Shirani; Suzan Maleki; Zeinab Shafinejad



Original Article

Chlorpromazine-HCl Determination via Its Oxidation with Sodium Nitrite in Sulfanilic Acid Medium via CFIA Technique through Long Distance Chasing Photometer NAG-ADF-300-2

Naghm S. Turkey*, , Ghadah Fadhel

Department of Chemistry, College of Science, University of Baghdad, Baghdad, Iraq

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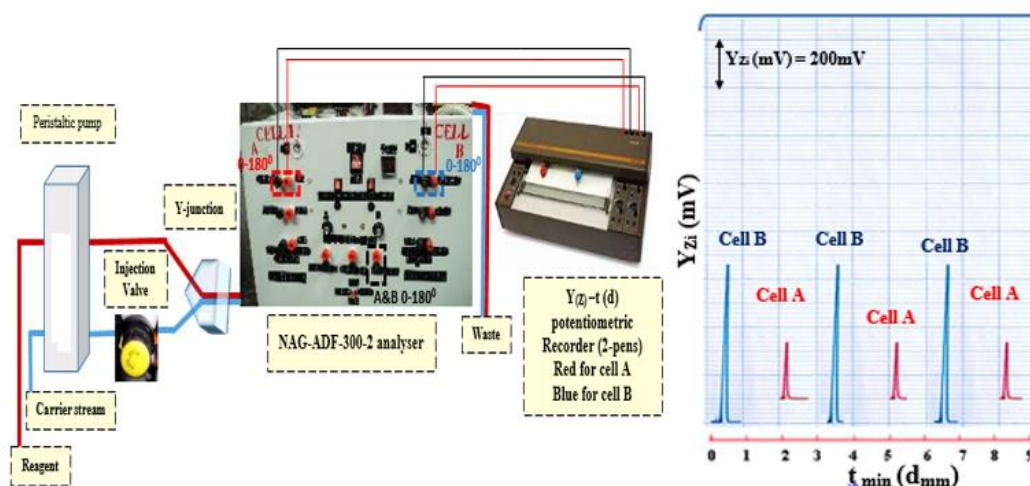
NAG-ADF-300-2 photometer

Sulfanilic acid

ABSTRACT

In this work, precipitation reaction with a new photometer NAG-ADF-300-2 analyzer was used to detect chlorpromazine hydrochloride by attenuation of incident light (White Snow Light Emitting Diode) at two steps, the first 110 mm and the second 60 mm with a separation distance of 100 mm of the chlorpromazine-hydrochloride reaction with a mixture of two reagents of sodium nitrite and sulfanilic acid form a yellowish-white precipitate. The attenuation of this precipitate by incident light was measured in a highly repeatable and reproducible way from a relative standard deviation percent (RSD %) of less than 0.3% at a variable concentration. The linear dynamic graph ranges from 0.5 to 45 mmol.L⁻¹ for Cell A and 1-43 mmol.L⁻¹ for Cell B, with a limit of detection (L.O.D) 0.9984 µg and 49.9239 µg at 281 µL sample, and a correlation coefficient (r) of 0.9994, 0.9993 for Cell A and Cell B, respectively.

GRAPHICAL ABSTRACT



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Original Article

Solvent-free Synthesis and Antimicrobial Activity of Dihydroquinazolinone Derivatives

Navid Keikhosravi¹, Esmaeil Dehghan-Ghahfarokhi^{1,2}, Soosan Abdollahi², Majid Piramoon³, Javad Ghasemian-Yadegari⁴, Rezvan Rezaeinasab^{1,*} ¹Department of Medicinal Chemistry, School of Pharmacy, Lorestan University of Medical Sciences, Khorramabad, Iran²Department of Pharmaceutics, School of Pharmacy, Lorestan University of Medical Sciences, Khorramabad, Iran³Department of Medicinal Chemistry and Radiopharmacy, School of Pharmacy, Lorestan University of Medical Sciences, Khorramabad, Iran⁴Department of Pharmacognosy, School of Pharmacy, Lorestan University of Medical Sciences, Khorramabad, Iran

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One-pot synthesis

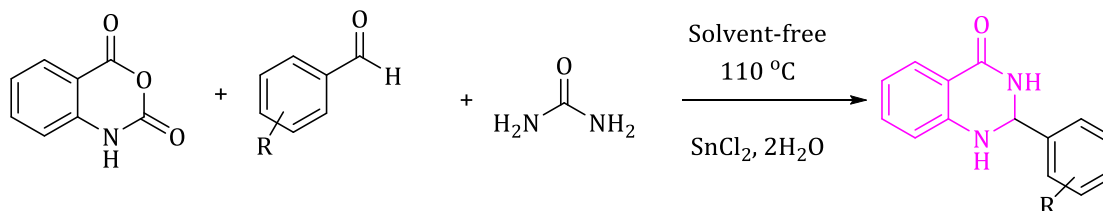
Quinazolinones

Solvent-free; Antimicrobial activity

ABSTRACT

In this research, a new series of dihydroquinazolinone analogs (**4a-f**) was synthesized using a one-pot reaction supporting solvent-free conditions at the presence of $\text{SnCl}_2 \cdot 2\text{H}_2\text{O}$ as catalyst. All final products were proved by FT-IR, $^1\text{H-NMR}$, and $^{13}\text{C-NMR}$ analysis. The preliminary antimicrobial activity was assessed against Gram-negative (*Escherichia coli*, *Pseudomonas aeruginosa*), Gram-positive (*Staphylococcus aureus*, *Bacillus subtilis*, *Lactobacillus rhamnosus*), and antifungal activities against *Candida albicans*. Most of the synthesized derivatives revealed considerable activity, significantly compounds **4d** and **4e** at 0.25 mg/mL concentration had the highest activity against *P. aeruginosa*. Also, the MIC of compound **4d** was 0.25 mg/mL against *B. subtilis*, and *L. rhamnosus*. Furthermore, the tested molecules demonstrated moderate antifungal activities against the *C. albicans*.

GRAPHICAL ABSTRACT



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**"ANALISIS PENGEMBANGAN SISTEM INFORMASI KESEHATAN DALAM MANAJEMEN COLD CHAIN
DAN CAKUPAN IMUNISASI DI KABUPATEN PEKALONGAN"**

**"ANALYSIS OF HEALTH INFORMATION SYSTEM DEVELOPMENT IN COLD CHAIN MANAGEMENT
AND IMMUNIZATION COVERAGE IN PEKALONGAN DISTRICT"**

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This declaration of ethics applies during the period August, 30th 2021 until August, 30th 2022

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