

NAAC 3rd Cycle

(An Autonomous Institution, Affiliated to Bharathiar University, Coimbatore)

Approved by Government of Tamil Nadu and Accredited by NAAC with 'A' Grade (2nd Cycle)

Dr. N.G.P. – Kalapatti Road, Coimbatore-641048, Tamil Nadu, India

Web: www.drngpasc.ac.in |Email: info@drngpasc.ac.in | Phone: +91-422-2369100

Criterion II Metric 2.3.1

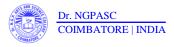
2.3.1 Experiential Learning- Student Research Publications

The following table highlights the Student Research Publications for five years from 2016-17 to 2020-21.

S. No.	Academic Year	No. of Student Research Publications
1	2020-21	102
2	2019-20	72
3	2018-19	9
4	2017-18	7
5	2016-17	4



(Prof. Dr. V. RAJENDRAN)
Principal





Criterion II Metric 2.3.1

NAAC 3rd Cycle

(An Autonomous Institution, Affiliated to Bharathiar University, Coimbatore) Approved by Government of Tamil Nadu and Accredited by NAAC with 'A' Grade (2nd Cycle) Dr. N.G.P. - Kalapatti Road, Coimbatore-641048, Tamil Nadu, India Web: www.drngpasc.ac.in | Email: info@drngpasc.ac.in | Phone: +91-422-2369100

2.3.1 Experiential Learning- Student Research Publication

The following table highlights the details of the Student Research Publications in excel sheet for five years from 2016-17 to 2020-21.

S. No.	Academic Year	Supportive Document Link
1	2020-21	X
2	2019-20	\mathbf{x}
3	2018-19	X
4	2017-18	X
5	2016-17	Χ





(An Autonomous Institution, Affiliated to Bharathiar University, Coimbatore) Approved by Government of Tamil Nadu and Accredited by NAAC with 'A' Grade (2nd Cycle) Dr. N.G.P. - Kalapatti Road, Coimbatore-641048, Tamil Nadu, India

Web: www.drngpasc.ac.in | Email: info@drngpasc.ac.in | Phone: +91-422-2369100

NAAC 3rd Cycle

Criterion II Metric 2.3.1

2.3.1 Sample Document for Student Research Publication

ISSN: 2455-2631

© May 2020 USDR | Volume 5, Issue 5

Designing Media from Domestic Waste to Enhance Growth of Chlorococcum humicola and Its Application on Mosquito Control

¹Mynumathi Maragatham, ²Sasikala Chenniyappan, ³Geetharamani Durairaj

¹Post Graduate and Research, ²Assistant Professor, ³Professor Department of Microbiology, Dr. N. G. P. Arts and Science College, Coimbatore, Tamil nadu, India, pin-641 048.

Objective: To design media from domestic waste with limited nitrogen and high of other nutrients (potassium, phosphorus, vitamins and trace elements) for enhance biomass and bioactive compaunds of Chlorococcum humicola with potential application on

Methodology: Microalgae Chlorococcum humicola was isolated from luke and cultured using BG11 media. Ingredients were made from domestic waste materials through the processes like collection, shade drying, mincing, cold extraction and sterilization by membrane filtration method. The items were BG11 media, BG11 with ingredients of designed media, and designed media with optimum concentration of ingredients inoculaged with 5% of inoculum. Growth was monitored from 0° day to 25° day by the measurement of optical density, chlorophyll content and dry weight Larvicidal evaluation were done by exposing 4-6 larva into 100ppm, 200ppm, 300ppm, 400ppm, 500 ppm concentrations of glihanolic algal extract of Chlorococcum humicola.

Result and discussion: Chlorococcus humicoal was isolated from lake water and identified, the diverse parameters of growth was measured in three different media during the 0 to 25 days, gradual increase were showed in algae cells(optical density), chlorophyll content and final weight of algal biomass. Complete mortality of larva species were seen in 500pm bestowed the efficacy of Chlorococcum humicola to kill mosquito species with small concentrations which was cultivated in the designed media compared to BGI1 and BGI1 with ingredients of designed media. From this study, with lanced nituge in source and optimizant level of nutrients such as potassium, phosphorus, vitamos, trace elements from different domestic waste materials was highly supported the growth of Chlorococcum humicofu and improved their efficacy for potential applications.

Keywords: Chlorococcum humicola, nutrient, media development, applications, larvicidat, Mosquito control, Domestic

INTRODUCTION

I. INTRODUCTION

Algae are a potential organism providing all the human needs with satisfactory gutcomes to environment. Among various types photosynthetic microalgae, process of pootosynthesis in algae need vital manifests, which are participate in photosynthetic system I and II as electron donor and accepto for the production of energy and carbohydrate from sunlight and water in neerobic conditions that will promote growth to next level, also increases bioemass and production of primary and secondary metabolities such as lipids, starch, bosective compounds, amine acids, vitamins, proteins.

In Photosynthesis process, Phosphate being a final electron donor to convert glucose molecule via reactions in photosynthetic system reactions. Optimum level of Phosphate availability in growth conditions will actively increase and catalyse algae growth. Uptake of introgen and phosphate in a Chaordia vulgaris along, with Praculomomas acrogatoses potentially derived the outcome as effective utilization and removal of natrogen and phosphorus compounds from wastewater treated with these two organisms of Though adgae are an aquatic microorganism and it is generally considered as phytoplankton because of the photosynthetic property. For the growth enhancement of these plant and algae organisms there are some basic and primary important nutrients and minerals are need in high amount. One of those matricests, Potassium is a primary notrient found as slowly available potassium, exchangeable potassium, water soluble potassium in participate in the growth of photosynthetic algae which catalyses many reactions to enhance the growth by activating the enzymes, catalysis metabolic pathway reactions, donating and accepting electron, algae community?

When it comes to discussion about narogen for algal growth, comparatively any form of nitrogen compounds which was produced by bacteria in water where algae community residing. They were utilized by different kind of algae species in their environment. In organic surfaces which possess astro

IJSDR2005020 International Journal of Scientific Development and Research (USDR) www.ijsdr.org





(An Autonomous Institution, Affiliated to Bharathiar University, Coimbatore)

Approved by Government of Tamil Nadu and Accredited by NAAC with 'A' Grade (2nd Cycle)

Dr. N.G.P. – Kalapatti Road, Coimbatore-641048, Tamil Nadu, India

Web: www.drngpasc.ac.in |Email: info@drngpasc.ac.in | Phone: +91-422-2369100

Criterion II

NAAC

3rd Cvcle

Criterion II Metric 2.3.1



International Journal of Emerging Technology and Innovative Engineering Volume 6, Issue 03, March 2020 (ISSN: 2394 – 6598)

Security and Privacy in Fog Computing Based on Multiparty Computation Using Smart Grid for Privacy Protection

Selvamohan Thangavel¹, P.Menaka²

1M.Phil Student, Dr. N.G.P. Arts and Science College Covai, tselvamohan@gmail.com

²Academic guide, Dr. N.G.P. Arts and Science, Covai, menaka@drngpasc.ac.in

Abstract

A smart grid is the electrical grid of the future, adding a communication network to the traditional electrical grid infrastructure. This allows bidirectional communication between the different entities and components of the grid, facilitating automated grid management. The overall aim is to make the electrical grid more reliable and efficient. This paper design a secure and privacy-preserving protocol for collecting operational metering data, which is required for calculating distribution, transmission, and imbalance fees. Our protocol uses Multiparty Computations (MPC) as the underlying cryptographic primitive and supports three different privacy-friendly data aggregation algorithms. Additionally, it supports realistic system models (with multiple data recipients of aggregates of various subsets of users' metering data); it is fault-tolerant; it is applicable to existing liberalized market models, and it also supports electricity production data generated by users. In this paper, the cloud-fog based system model is proposed to tackle delayed responses and permanent storage of consumers' data for energy demands. In the system model, the requests of energy are received on HPF to get processed and responded back in near-real-time instead of processing on the Cloud.

Keywords: Fog computing, Smart grid, Privacy, Security, and Multiparty Computations.

I. INTRODUCTION

Fog computing is, for the most part, a virtualization innovation that offers stockpiling, computing, and correspondence services between end devices and Cloud information trot. A lot of IoT devices and sensors, for example, green gas IoT and modern IoT actuators, are associated with Message. This engineering permits checking, sifting, investigating, totaling, and trading information, bringing about sparing time and calculation assets for sending and running bigdata examination and digital security applications. Since Fog devices are associated with the Cloud and IoT frameworks, IoT systems could be misused utilizing diverse digital dangers [1]. This is on the grounds that the devices are conveyed at unbound areas which are not precisely checked and secured. The framework utilizes and blockchain to verify and control the appropriated Fog engineering. Fog services have been permitted at the edge of the entrance organize by the appropriated Fog nodes. The framework accomplishes higher inertness and security effectiveness since bringing computing assets at the edge of the IoT system could verify the center system traffic and limit the start to finish dormancy between IoT devices and the computing unit. Since fog computing is proposed with regards to the Internet of Things (IoT) and began from cloud computing, security and protection issues of Cloud are acquired in fog computing. While a few issues can be tended to utilizing existing plans, there are different issues confronting new difficulties, because of the particular attributes of fog computing, for example, heterogeneity in fog hub and fog organize, a prerequisite of portability support, enormous scale geo-dispersed hubs, area mindfulness, and low dormancy.

The framework presents a novel security technique that enables the framework to adjust to the risk landscape, consequently. This enables framework executives to run the same number of proposals at the system edge varying. The framework was assessed for various security situations and

CUETIE 2020

38





(An Autonomous Institution, Affiliated to Bharathiar University, Coimbatore)

Approved by Government of Tamil Nadu and Accredited by NAAC with 'A' Grade (2nd Cycle)

Dr. N.G.P. – Kalapatti Road, Coimbatore-641048, Tamil Nadu, India

Web: www.drngpasc.ac.in |Email: info@drngpasc.ac.in | Phone: +91-422-2369100

NAAC 3rd Cycle

Criterion II Metric 2.3.1

www.ijcrt.org

© 2018 IJCRT | Volume 6, Issue 1 January 2018 | ISSN: 2320-2882

Qualitative investigation of Phytochemical compounds present in the Traditional Wound healer *Hemigraphis Colorata* by GC-MS analysis

Sharannya Mohan¹, Josna George², Kannika Parameswari³, Dinesh M.D⁴,

1.2 Research Scholar, ³Assistant Professor, Department of Biochemistry, Dr NGP college of Arts and Science College, Coimbatore,

South India.

⁴Assistant Professor, Department of Microbiology, Pazhassiraja College, Pulpally, Wayanad, Kerala, South India.

Abstract: Phyto- compounds are chemical compounds that are produced by plants. Thousands of phytochemical compounds are produced by naturally that are non-essential aspect originate in the plant nutriments. All the plant parts clamp the presence of phyto-compounds like leaves, vegetables and roots and play an important role in defence mechanism against environmental threats. Currently modern medicines practices the use of phyto-compounds for producing various medicines hence the importance of meaningful the action of each compounds are vary essential. In this study we investigate the innumerable phytochemical compounds present in Hemigraphis Colorata via GC - MS analysis.

Key words: Medicinal plants, Phto-chemical compounds.

1. Introduction

Nowadays Plant based treatments and medicines are playing vital role in the area of Ayurveda. Supreme of populates believing Ayurveda outstanding to the non-side effects of the treatment. Due to the era of modern life style nature will unnatural desperately and new life style illnesses are being happened. Largely peoples depending modern treatments because of the lack of time and betrothed life panaches. The history of "herbalism" is closely tied with the history of medicine from prehistoric times up until the growth of the germ theory of disease in the 19th century. Plants have been used for medical treatments during the human history, and such traditional medicine is still widely used today.

Hemigraphis colorata is a tropical perennial herb chiefly grown as an ornamental indoor and outdoor plant, because of its attractive and vivid foliage. In folk medicine, the leaves are ground into a paste and applied on fresh cut wounds to promote wound healing and used to treat anaemia. Traditional knowledge regarding the usage of this plant differs but the scientific study available to support this knowledge is much limited (Devi Priya, 2013). Medicinal plants used as medicine should therefore be studied for safety and efficacy. Gas

IJCRT1705259

International Journal of Creative Research Thoughts (IJCRT) www.ijcrt.org

128





Web: www.drngpasc.ac.in | Email: info@drngpasc.ac.in | Phone: +91-422-2369100

(An Autonomous Institution, Affiliated to Bharathiar University, Coimbatore)
Approved by Government of Tamil Nadu and Accredited by NAAC with 'A' Grade (2nd Cycle)
Dr. N.G.P. – Kalapatti Road, Coimbatore-641048, Tamil Nadu, India

Criterion II Metric 2.3.1

NAAC

3rd Cvcle

0

WORLD JOURNAL OF PHARMACEUTICAL RESEARCH

SJIF Impact Factor 6.805 ISSN 2277-7105

Volume 5, Issue 7, 977-987.

Research Article

ISOLATION AND PARTIAL PURIFICATION OF LECTIN FROM SEEDS OF CUCURBITA PEPO

Ravichandran P.1, Dr. Gowri S.1+ and Sundara Prasath S.2

¹Dept. of Biochemistry, Dr. N.G.P. Arts and Science College, Coimbatore.
²Dept. of Biochemistry, NMSSVN College, Madurai.

Article Received on 05 May 2016, Revised on 25 May 2016, Accepted on 15 June 2016 DOI: 10.20959/wjpr20167-6498

*Corresponding Author Dr. Gowri S.

Dept. of Biochemistry, Dr.N.G.P. Arts and Science College, Coimbatore.

ABSTRACT

Crude plant lectins were isolated from the seeds of Pumpkin seed (Cucurbita pepo). Lectins isolated were purified by ammonium sulphate precipitation and dialysis. The amount of proteins and carbohydrates present in crude extract and purified samples were estimated. Lectin was characterized by hemagglutination assay using human erythrocytes of A, B, AB and O groups and the specific activities were determined in crude and purified samples. The stability of the purified lectin samples was determined at various pH and temperature values. The ability of the lectins to bind the bacterial

strains were analyzed with strains namely E.coli, Klebstella pneumoniae and S.aureus.

KEYWORDS: Cucurbita pepo, Lectin, Isolation, Purification, Hemagluntination, Antibacterial activity.

INTRODUCTION

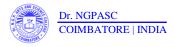
Lectins are proteins/glycoproteins, which have at least one non-catalytic domain that exhibits reversible binding to specific monosaccharide's or oligosaccharides. [1] "Lectin" has been derived from the Latin word "legere", which means "to select", by William Boyd. [2] This term was generalized to embrace all sugar-specific agglutinins of non immune origin, irrespective of source and blood type specificity. [3]

Lectins have the ability to bind carbohydrates and the name "hemagglutinins" is used when the sugar specificity is unknown. Lectins have been powerful tools in preparative and analytical purposes in Biochemistry, cell biology, immunology, molecular biology, pharmacology and clinical chemistry. Lectins are present in a wide range of organisms from

www.wjpr.net

Vol 5, Issue 7, 2016.

977





(An Autonomous Institution, Affiliated to Bharathiar University, Coimbatore)

Approved by Government of Tamil Nadu and Accredited by NAAC with 'A' Grade (2nd Cycle)

Dr. N.G.P. – Kalapatti Road, Coimbatore-641048, Tamil Nadu, India

Web: www.drngpasc.ac.in | Email: info@drngpasc.ac.in | Phone: +91-422-2369100

3rd Cycle

NAAC

Criterion II Metric 2.3.1



e-ISSN: 2582-5208

International Research Journal of Modernization in Engineering Technology and Science

Volume:03/Issue:04/April-2021

Impact Factor- 5.354

www.irjmets.com

A STUDY ON BRAND AWARENESS OF ONE OF THE MULTISPECIALTY HOSPITAL AT COIMBATORE

Dr. V. Uma*1, G. Ajith Kumar*2

¹³Head of the Department, Department of Hospital Administration, Dr. N.G.P. Arts and Science College, Coimbatore, Tamilnadu, India ¹³Student, Department of Hospital Administration, Dr. N.G.P. Arts and Science College, Coimbatore, Tamilnadu, India

ABSTRACT

Conventional marketing will not really to promote modern-day healthcare companies. The brands vary in advertising and marketing, advertising, and public relation. Those are the methods of communicating the brand. A brand is a recognizable identity, persona, price, and trends. These days' healthcare advertising gives the mission to sell the brand.

Keywords: Branding, Healthcare, internet advertising, and marketing

I. INTRODUCTION

A strong brand will attract loyalty, and loyalty gives protection to a company. Brand loyalty will defend your brand when you are not there and a strong brand provides safety in uncertain times. The most expensive word in these worlds is trust, so that's why it is in high demand. So, most of the people are choosing brands because known brands are given the trust to the people. If your brand name is so powerful then consumers are ready to buy your product more than the unknown brands.

Branding is very important to all industries; branding plays an essential role in a healthcare organization. A brand creates trust and builds a relationship with the organization. Employee merale is so important to all industries because employees are the key to the industry. Without employees, the organization is just an empty ground. Every employee is part of an industry goal, so if we give respect and treat them well, then they're more dedicated to the work.

As research of pew internet and American life project says 72% of internet users are saying they looked online for healthcare information within the past years.

Why we need a brand strategy:

- . To set your company apart from the competition
- · To increase shareholder value
- · To bring on stronger financial results
- To prevent product or service from becoming a commodity
- · To maximize your brand relevance in the hearts and minds of shareholder
- To create loyalty
- To expand a market share
- · To support employee morale
- To reach key stakeholders

Hospital brand awareness:

Hospitals play an essential role in serving communities. We can't encourage people to come to visit a hospital. It is essential to invest capital in a smarter solution to subtly elevate the brand awareness of the hospital.

Implementation of internal marketing:

Your spokesperson for the hospital is an employee. Hospital leaders should shell the identity by incorporating nurse name badges that create authenticity uniformity and build trust. It improves the patient's experiences at the hospital.

Uses of social media:

Create good testimonials, videos, patient stories, etc. and post them on the website, post and repost on social media, sow it on the LCDs in the hospital waiting areas.

www.irimets.com

#International Research Journal of Modernization in Engineering, Technology and Science [1231]

