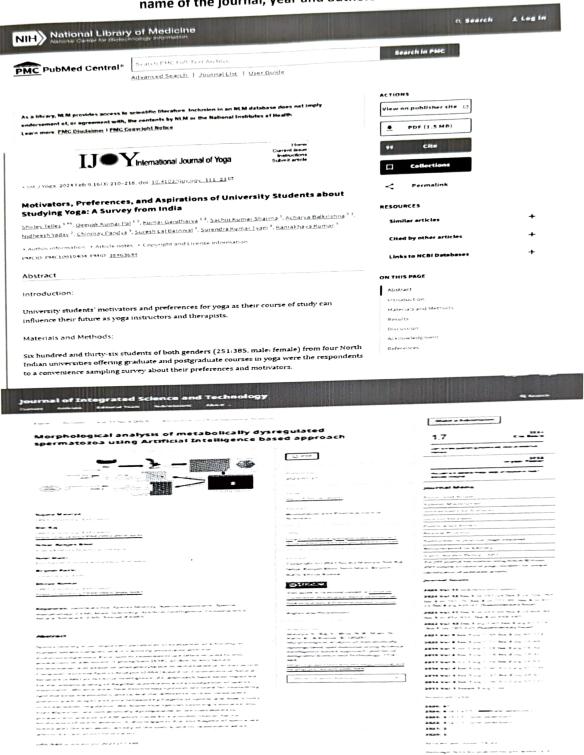


screenshots of each research articles clearly showing the title of the article, affiliation, name of the journal, year and authors name

Registrar Dev Sanskriti Vishwavidyalaya Cayutrikunj- Shant-Kunj, Haridwar- 249411



screenshots of each research articles clearly showing the tiple of the article, affiliation, name of the journal, year and authors name



Swar Sindhu: National Peer-Reviewed/Refereed Journal of Music A UGC CARE listed Journal ISSN 2320-7175 (O) | Volume 12, Issue 01, January-June, 2024 http://swarsindhu.pratibha-spandan.org © The Author(s) 2024

संगीत में लय का प्रायोगिक स्वरूप: एक विवेचनात्मक अध्ययन

TEKESHWAR BISEN¹, DR. SANTOSH NAMDEV²

1 Research Scholar, Department of Music (Tabla), Dev Sanskriti Vishwavidyalaya, Haridwar, Uttrakhand 2 H.O.D. and Associate Professor, Department of Music (Tabla), Dev Sanskriti Vishwavidyalaya, Haridwar, Uttrakhand

सार: लय का जीवन में विशेष स्थान है, जीवन के प्रत्येक क्षेत्र में लय का ही महत्व है। सृष्टि की प्रत्येक क्रिया लय पर आधारित है। जीवन एक लयबद आधार पर निर्भर है। लयबद जीवन से ही स्वास्त्य, सुख शांति एवं जीवन आनन्य संभव है। संगीत की तीनो विधाओ गायन वादन और नृत्य के सम्मतित स्वरूप को संगीत कहार गया है। जिसके मुख्य तत्व है स्वर और लय। लय संगीत का प्राण है, जिसके अभाव में संगीत निष्प्राण शारीर के सामान है। संगीत की तीनो विधाओ में कलाकार अपनी कुशलता के अनुसार लय का प्रयोग करता है। कलाकार जब अपनी कलात्मकता द्वारा एक लय को आधार मानकर विभिन्न प्रकार की लायकारियों से क्रमबद्ध रूप से प्रस्तुत करता है, और उतनी ही कुशलता से सम या मुखड़ा में मिलता है तब वह उतना ही लयकार समझा जाता है। लयकारी द्वारा केवल चमत्कार प्रदर्शन ही नहीं होता बल्कि आनन्य की वृद्धि भी होती हैं। प्रत्येक घरानों के लय के अपने नियम हैं। प्रस्तुत शोध पत्र में संगीत की तीनों विधाओं में लय के प्रयोगिक स्वरूप को प्रस्तुत करने का प्रयास शोधकर्ता द्वारा किया जा रहा है।

कुंजी शब्द: संगीत, प्राण, तय, कलाकार, तयकारी।



Swar Sindhu: National Peer-Reviewed/Refereed Journal of Music A UGC CARE listed Journal ISSN 2320-7175 (O) | Volume 12, Issue 01, January-June, 2024 http://swarsindhu.pratibha-spandan.org © The Author(s) 2024

गायत्री परिवार के सप्त आंदोलन में प्रज्ञा संगीत की भूमिका

ASHOK KUMAR YADAV

Research Scholar, Dev Sanskriti Vishwavidyalaya, Gayatrikunj Santikunj, Haridwar, Uttrakhand

DR. SHIV NARAYAN PRASAD

Chairperson and Associate Professor, Dev Sanskriti Vishwavidyalaya, Gayatrikunj Santikunj, Haridwar, Uttrakhand

सारांश: भारतवर्ष की सारी सभ्यताओं में संगीत का बड़ा महत्व रहा है। धार्मिक एवं सामाजिक परंपराओं में संगीत का प्रचलन प्राचीन काल से रहा है। इस रूप में, संगीत भारतीय संस्कृति की आत्मा मानी जाती है। वेदमूर्ति तपोनिष्ठ पं श्रीराम:शर्मा आचार्य जो ने देश, धर्म, सम्माज, संस्कृति, राष्ट्र एवं विश्व के उत्थान कत्याण के लिए/विशेष सात आन्दोलन का सफल संचालन किया इस प्रकार सभी सामाजिक समस्याओं के कारण समाज में विक्रितियाँ उत्पन्न हो रहा है। इसलिए समय रहते इन सभी समस्याओं का उचित समाधान किया जाना आवश्यक है। अतः प श्रीराम शर्मा आचार्य जी ने संगीत के माध्यम से सम आन्दोलन को आधार बनाकर मानव समाज को सही दिशा दिया।

कुंजी शब्द: गायत्री परिवार, सप्त आंदोलन, प्रज्ञा संगीत।

screenshots of each research articles clearly showing the title of the article, affiliation, name of the journal, year and authors trained train

Indian Journal of Traditional Knowledge (IJTK)

ARCHIVES ANNOUNCEMENTS SEARCH CURRENT LOG IN Home > Vol 21, No 3 (2022) > Bentur

DOI: 10.56042/litk.y21/3.55516

Integrative Therapy based on Yoga, Ayurveda and Modern Western Medicine for treatment of high-risk cases of COVID-19: A telemedicine-based case series

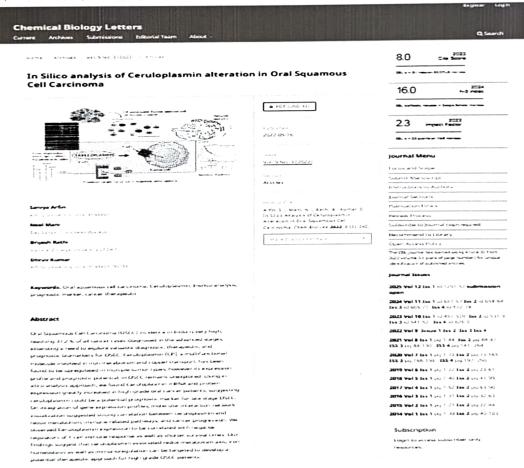
Bentur, Sumitra A; Mishra, Alka ; Kumar, Yogesh ; Thakral, Sonika ; Sanjiv, Sanjiv ; Garg, Rahul

Abstract

We report a telemedicine-based case-series of 30 mild/moderate (classification based on guidelines by Ministry of Health and Family Welfare, Government of India) COVID-19 patients, treated using Integrative Therapy based on Ayurveda, Yoga and Modern Western Medicine, i.e., MWM (aliopathy). Cases were high-risk owing to comorbidities like Diabetes Melitus, Hypertension, Coronary Artery Disease, Ulcerative colitis, Chronic Kidney Disease and/or age above 60. The cases have been categorized into YAS (Yoga-Ayurveda based treatment, with possibly aliopathic Supplements: 4 patients), YASP (Yoga-Ayurveda based treatment, with possibly aliopathic Supplements and Paracetamoli. 6 patients), YAM (Yoga-Ayurveda based treatment, which possibly aliopathic Supplements and Paracetamoli. 6 patients), WAM (First tred MWM, later switched to Yoga-Ayurveda: 14 patients). Based on each patient's symptoms and co-morbidities, a personalized treatment plan including Ayurveda medicines, Yoga protocol, dietan recommendations and lifestyle modifications was prescribed by a registered Ayurveda doctor and a Yoga consultant, More than half of symptomatic patients started improving within 5 days (90% within 9 days); more than 60% reported at least 90% recovery within 10 days. Six patients with oxygen saturation (5002) below 95%, benefited through Makarasana and Shithilasana; none progressed to composite endpoints (consisting of admission to Intensive Care Unit, invasive ventilation or death), considering that approximately 19,3% of the patients with these comorbidities progress to composite endpoints, the p-value is 7.21 x 10-3. The Integrative Therapy, incorporating Yoga and Ayurveda with MWM, may offer an economical, scalable treatment option for COVID-19 by reducing burden on healthcare facilities and preventing risk-exposure of healthcare workers.

Keyword(s)

Ayurveda; COVID-19; Integrative therapy; Yoga



le wo unopen screenshots of each research articles clearly showing the title of the article, affiliation, name of the journal, year and authors name





Fabrication and shelf life determination of a homoeoathic mother tincture.

humal white Advenue in Part Severe 221 and 14 fee 12 10 fee

partie and scann more arms of the state of the state of the state of the first form of the state of the state

11 E

There is a growing global desire for safer and more therapeutically effective drugs, which is leading to an increase in the demand for high-quality formulations. One of the most difficult research difficulties is determining the shelf life of a pure herbal preparation. The goal was to figure out how Mother tricture is made from fresh herbs and how long it leads (Sheif (49) The prant, which was taken from the Department of Medicinal Plants Sciences independus field laboratory (59) belongs to the Cyperacese femily and is Cyperus rotundus Linn, in taxonomy. The mother stricture was prepared by following monoeopathic Pharmacopoels of India and formulation was evaluated in a glass conceiver under real-time and accelerated stackity study (andricas as prescribes by ICH). The shell life of three batches of the product was tested under resisting and accelerated statistic research settings, and it was discovered that resisting stored three bacthes had a longer shed life than accelerated stability stored cerns. Product shed life was 79, 50, 57 in real-time stability research settings and 28, 38, 55 in accelerated stability study conditions for all three batches, respectively. These investigations may further broaden the scope of herbal medications, including preformulation and postformulation studies of bure herbal formulations

Will http://www.comespournuis.com/loc2.php?visitractr?417461m/,CMF-17_131-1364-pot64bookmark=Q-032857 CABI Record Number 2023(00240) Country of multication India

screenshots of each research articles clearly showing the sittle of the article, affiliation, name of the journal, year and authors hame

ORIGINAL ARTICLE

e-ISSN: 2349-0659 p-ISSN; 2350-0964

Prevalence and Severity of Premenstrual Syndrome among Young Females in Chhattisgarh, India

Riddhi Sahu^{1*}, Suresh Lal Barnwal¹, Santosh Vishvakarma²

ARSTRACT

Premenstrual syndrome (PMS), often known as premenstrual tension, is a set of physical, psychological, and emotional symptoms that women experience in the luteal phase of menstrual cycle (7–10 days before menstruation). The aim of the present study is to find out the prevalence of PMS in young females quantitative approach with descriptive research design was adopted and study samples was chosen by purposive research sampling. The data were collected from Pt. Ravishankar University through the fourth edition of Menstrual Distress questionnaire published in 2010 by Rudolf H. Moos. The collected data were analyzed by a descriptive statistical method. 500 girls were selected for the study, Who has reached menarche, their menarche were (12.29 ± 1.49) and is better that 26 ± 1.20

Keywords: College girls, Menstrual distress, Moos menstrual distress questionnaire, Premenstrual dysphoric disorder, Premenstrual syndrome Asian Pac. J. Health Sci., (2022); DOI: 10.21276/apjhs.2022.9.1.34



Case Reports > J Med Case Rep. 2021 Feb 24:15(1):95. doi: 10.1186/s13256-020-02624-1

The use of integrative therapy based on Yoga and Ayurveda in the treatment of a high-risk case of COVID-19/SARS-CoV-2 with multiple comorbidities: a case report

Alica Mishra ¹, Sumitra A Bentur ², Sonika Thakral ^{3,4}, Rahul Garg ^{5,6,7}, Bhanu Duggal ⁸
Affiliations + expand
PMID: 33627166 PMCID: PMC7903378 DOI: 10.1186/s13256-020-02624-1

Abstract

Background: We report a high-risk case of a coronavirus disease 19 (COVID-19)-positive patient with comorbidities including diabetes mellitus (DM), hypertension (HTN), hypothyroidism and chronic kidney disease (CKD), treated successfully using an integrative therapy plan based on Ayurveda and Yoga, along with government-mandated compulsory modern western medicine (MWM) treatment. Recently, some evidence has been emerging on the use of Ayurveda for treatment of COVID-19. The dissipation to the distribution of pandemics of similar proportions and describe them as Janapadoddhvansa, meaning the destruction of communities, along with their causes and treatment.

Case presentation: The case reported herein is a 55-year-old man from Deihi, India, with confirmed (tested) COVID-19, who first took MWM for 7 days before seeking integrative therapy. The patient has comorbidities including DM. HTN. hypothyroidsm and CKD and had developed symptoms including fever (which was resolved by the time integrative therapy was started), sore throat dry cough, body aches, weakness, bad taste and smell, and heaviness in the abdomen. Based on the patient's symptoms and comorbidities, a treatment plan including Ayurvedic medicines, 'toga protocol, dietary recommendations and lifestyle medifications was prescribed by a registered Ayurveda doctor and a Yoga consultant. The patient started experiencing improvement in all the symptoms within 2 days after starting the treatment he reported approximately (Formula: see text) relief from the symptoms after 5 days, and almost complete relief within 9 days. Also, the blood sugar levels (both fasting blood sugar [FBS]) and postprandial blood sugar [PPBS]) exhibited significant improvement after 5 days, and decreased to within the normal range within 12 days. Besides relief in symptoms, the patient's real-time reverse transcription polymerase chain reaction (RT-PCR) test done on the 19th day returned negative results.

First from B BMC

Save Email Send to Display options 🌣







Publication types

MeSH terms

Related information

screenshots of each research articles clearly showing the title of the article, affiliation, name of the journal, year and authors name is [7]

ISSN - 2229-3620 APPROVED UGC CARE



SHODH SANCHAR BULLETIN

Vol. 10, Issue 40, October - December, 2020 Page Nos. 188-194

AN INTERNATIONAL BILINGUAL PEER REVIEWED REFEREED RESEARCH JOURNAL

A STUDY OF ENVIRONMENT RELATED COVERAGE IN PRINT MEDIA

Dr. Ajay Bhardwaj Neha Singh

ABSTRACT III

Environment is becoming a major concern for people. It has negative effect on everyone in some way or other because of the human interventions. It is important to address environment related issues in terms of bringing awareness to people through news, programs, events and debates. Print media covering environment news does have impact on a large number of people. More than books and magazines, newspapers are able to reach the readers fast as they are updated and published daily. Issues like pollution, deforestation, mining, and e-waste are some of the obvious problems that people are facing today. The significance of print media is such that it is always available and on daily basis. It depends on how & what ways in the media cover environment issues. In the present research work four newspapers were taken for study. Some noted journalists & environmentalists were interviewed so as to find out their views on environmental problems & their coverage in the contemporary print media. The study shows that environment, no doubt is a big issue but still it is not getting due space in contemporary print media. Media, no doubt, can play a pivotal role in creating environmental awareness among the masses by giving due space to it.

Keywords: Environment, Print media, Issues, People, Problems

ISSN 0970-3586 Available Online at - www.connectjournals.com Ad. Plant Sci. 33 (FI) 175 - 179, 2020 Home Page: www.connectjournals.com/aps



Holistic Therapeutic Approaches for Curing Novel Corona virus : An Overview

Lalit Raj Singh* and Karan Sing h
Department of Medicinal Plants Sciences, Dev Sanskriti Vishwavidyalaya,
Haridwar (Uttarkhand)-249411, India

Address for correspondence: lalitrajsingh@gmail.com*

This research paper knuckles down the holistic therapeutic approaches helpful in mitigating the pandemic novel coronavirus (nCoV) through the rational combination of Allopathic, Ayurvedic, and Naturopathic therapies, which may become a boon in fighting against this fatal disease. The present overview is aimed at bringing an innovative and indicative account of the efforts, which have been made so far and should be undertaken, which are based on holistic health conservation practices of different systems of healing. The Allopathic system is based on symptomatic treatments and critical care of the patients. The Ayurvedic and Naturopathic system is based on Vatta, Patta, Kapha, and detoxification of the body. These practices are being followed since ancient times and having preventive, curative, antiaging and immunity modulating potential. The exact molecular biology, mechanism of action, receptor-antigen combinations, genes, and protein functioning, and secondary messaging requires further explorations. The medicinal plants have now emerged as a solution due to its cost-effectiveness, higher therapeutic index (TI] and immunity promoting capabilities. However, the Pharmacognostic identification (PI) of medicinal plant species, mode of administration, dosage form and doses are very significant and should be taken under medical supervision.

Keywords: Allopathy; Ayurveda; Naturopathy; CVDs; LDH

screenshots of each research articles clearly showing the title of the affiliation, name of the journal, year and authors name train

ijlpr 2021; doi 10.22376/ijpbs/lpr.2021.11.2.P19-23



International Journal of Life science and Pharma Research

Research Article

Pharmacognosy for better Therapy



Organic Agri-Practices and Pharmacognostic Evaluation of Off- Seasoned Cultivated Madhulika: A Wonder Herb

Lalit Raj Singh ® and Karan Singh

avidyalaya Gayatrikunj-Shantikunj, Haridwar (Uttarkhand)-249411, India nent of Medicinal Plants Sciences, Dev Sanskriti Vishi

Abstract: The faulty and mechanical lifestyle is causing various physical, mental and psychosomatic disorders today. It causes approximately 5.8 million death tolls every year in India. Diseases and disorders such as cardiovascular disorders (CVDs), osteoporosis, anaemia, diabetes, obesity and irritable bowel syndrome (IBS) are escalating very rapidly. This research paper explores and unveils the organic agri-practices of the Madhullia (Eleusine coracana (L.) Gaertn.) cultivated in off-season along with pharmacognostic evaluation. WHO-GACP and GHPP practices also followed along with organic cultivation practices. Madhullia: a wonder herb, belonging to the Poaceae family was organically cultivated in our herbal field laboratory (no. 4) by our indigenous seeds sown line to line in experimental blocks. The field experimental work was conducted from the first week of October, 2018 to the last week of January, 2019 in the Department of Medicinal Plants Sciences at Dev Sanskriti Vishwavidyalaya, Haridwar (U.K), India. The crop duration was increased during off season cultivation but the yield of the crop remained unaffected. The crop showed a high germination percentage (92%) in off season. The results of different physical evaluation parameters are given as total Ash (4.267 % w/w), Acid-insoluble Ash (0.433 % w/w), Water-soluble Ash (1.666 % w/w), Alcohol soluble extractive (12.8 % w/w) and Water soluble extractive (4 % w/w), On the basis of the findings of the result, it is concluded that the crop was organically cultivated without change in quality and yield even in the off the result, it is concluded that the crop was organically cultivated without change in quality and yield even in the off season. The processed products from these organic produce may prove as an eloir in curing lifestyle related health problems. Further, it was found that secondary metabolites are highly biosynthesized during organic agri-practices and resulting in least accumulation of adverse effect precipitating agents.

Keywords: IBS, Osteoporosis, Anaemic, CVDs, GHPI

ISSN 0970-3586 Available Online at - www.connectjournals.com

Ad. Plant Sci. 33 (I-II) 165 - 168, 2020 Home Page: www.connectjournals.com/aps



Pharmacognostic Evaluation of Organically Cultivated Priyangu: A Wonder Shrub

Lalit Raj Singh* and Karan Singh Department of Medicinal Plants Sciences, Dev Sanskriti Vishwavidyalaya Gayatrikunj-Shantikunj Haridwar (Uttarkhand)-249411, India E mail id: lalitrajsingh@gmail.com*

This research paper unleashes the pharmacognistic evaluation of organically cultivated Priyangu (Callicarpa macrophylla Vahl.) shrub. Priyangu: a wonder shrub, belonging to the Verbenaceae family was organically cultivated in our herbal field laboratory (no.9) by our indigenous seeds, in the Department of Medicinal Plants Sciences of Dev Sanskriti Vishwavidyalaya, Haridwar (U.K), India. The shrub is appraised as highly valuable and most domineering drug for curing chronic and acute disorders and diseases of the body as per prescription of several ethnomedicinal, classical, and modern literatures. The batch to batch variations in qualities of finished formulations conceivably precluded through properly conducting pharmacognostic evaluation of the crude drugs. The organic cultivation promotes the biosynthesis of secondary metabolites (therapeutic metabolites), the preservation and conservation of therapeutic metabolites is nurtured by WHO-GACP (WHO-Good agriculture and cultivation practices) and WHO-GHPP (WHO-Good harvest and processing practices) practices. The physical parameters evaluation were performed in triplicates (at Shantikunj Pharmacy) and their averages are represented as total Ash (5.674 % w/w), Acid-insoluble Ash (0.618 % w/w), Alcohol soluble extractive (6.173% w/w) and Water soluble extractive (17.527 % w/w). Keeping in view of efficacy, potency, and safety of the herbal formulation it became essential for properly conducting identification and pharmacognostic evaluation of organically cultivated crude drugs for captivating significant results

Keywords: Pharmacognosy; Pharmacovigilance; Organic Cultivation; Potency

screenshots of each research articles clearly showing the title of the article, affiliation, name of the journal, year and authors name

Gayatrikunj- Shantikunj, Haridwar- 249411

Sambodhi

ISSN: 2249-6661

(UGC Care Journal)

Vol-44, No.-1, (II) January-March (2021)

AN ALTERNATIVE YOGIC APPROACH FOR MANAGEMENT OF INSECURITY FEELINGS: A NARRATIVE REVIEW

Jitendra Kumar Yaday

Research Scholar, Dev Sanskriti University, Haridwar, Uttrakhand

Dr. Asim Kulshrestha

Assistant Professor, Dev Sanskriti University, Haridwar, Department of Yoga and Human Consciousness, Dev Sanskriti University Haridwar, Uttarakhand, India

Abstract:

Everything is transient in this universe. There is no certainty of what will happen after a while. Changes are the eternal law of nature. These changes may or may not be in favor of human being. So there will be a tendency to feel insecure. But when insecurity feelings are exaggerated, it may result in psychological disorders and may decrease the quality of life. The aim of this study is to explore the concept of insecurity and its management approaches and the potentiality of yoga in handling insecurity feelings in various relevant studies. Studies suggest that insecurity feelings can be overcome by yoga as yoga clears the sanskara (subtle imprints of actions) of chitta (subconscious mind), the root cause of psychological problems. This study explores various relevant studies by going through various data repositories such as PubMed, Scopus. Science direct. Google scholar. Shodhganga etc. Finally, it is concluded that yoga could be more effective approach in managing the seventy insecurity feelings.

Keywords: Insecurity feelings, Yoga, Inferiority.

OPEN ACCESS

International Journal of Innovative Technology and Exploring Engineering (UJTEE) ISSN: 2278-3075 (Online). Volume-8 Issue-12, October 2019

Design SSTL Based Energy Efficient Solar Charge Sensor on FPGA



Chandrashekhar Patel, Sanjeev kumar Sharma, Abhay Saxena

Abstract. In this paper we have designed solar charge sensor which is used to make our battery efficient. Component is designed on Viriex 6 FPGA family and applied frequency scaling techniques. During the experiment, we have used different SSTI.

Of families and calculated total power consumption. In our work
we have selected class I and class II from SSTI. IO family. For the analysis we have used following range of frequency (20GHz, 40GHz, 60GHz and 80GHz). Firstly, we have worked with SSTL2_I and reduced total power consumption by \$1.53%, in second experiment we have worked with SSTL2_I_DCI and reduced consumption of power by 47.18%. In third experiment we choose to work with SSTL2_II and reduced 51.58% in total power consumption. In fourth experiment we opted SSTL15 to standard and downscale the total power consumption by 51.57%. In fifth we have selected SSTL15_DC1 and downscale the power have selected SSTL13_DCI and advantage the power consumption by 49.93%. In sixth experiment we set SSTL18_I DCI_IO_Standard and consumption minimize by 49.20% in total power. At the end we have mark to be worked with SSTL18_II_DCI_which is DCI_circuit and found 48.78%.

Keywords: SSTI. 10 standard. Low Power, Energy Efficient. 28 om FPGA

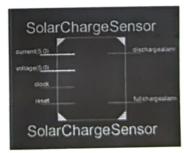


Fig.1 Top Level of Schematic of Solar Charge Semon

In Fig.1, we have shown Top Level of Schematic of Solar Charge Sensor. This design allow to having the virtual visualization of our FPGA component

screenshots of each research articles clearly showing the title of the article, affiliation, name of the journal, year and authors name ridwar- 249411

ISSN - 2348-2397 APPROVED UGC CARE



SHODH SARITA

Vol. 6, Issue 23, July-September, 2019

Page Nos. 288-291

AN INTERNATIONAL BILINGUAL PEER REVIEWED REFEREED RESEARCH JOURNAL

वेबसाइट पत्रकारिता का महत्व, चुनौती एवं प्रबन्धन

डॉ० स्मिता वशिष्ठ*
 आशुतीष कुमार दुबे**

शोध सारांश

वेबसाइट समाघारों के संप्रेषण का सूचना तकनीकी आधारित एक नवीन जनसंचार माध्यम है। इंटरनेट और अन्य सूचना प्रौद्योगिकी उपकरणों की सहायता से वेबसाइट पत्रकारिता का रचरूप विश्वव्याणी है। वेब आधारित पत्रकारिता के महत्व को देखते हुए विभिन्न परम्परागत गीडिया गाध्यमों (जैसे सगाचार-पत्र, रेडियो, टीवी आदि) की सगाचार वेबसाइटे हैं, जहां से सामाजिक, राजनीतिक, मनोरंजन समेत विभिन्न सूचनाओं को प्राप्त किया जा सकता है। स्वतंत्र रूप से भी स्थानीय, राष्ट्रीय और वैश्विक खबरों के लिए वेबसाइटों का संचालन करना तथा इन वेबसाइटों से सगाचारों को मुद्दित, चलिक्तों और चाविक तीनों रूपों में प्रेषण किया जाता है। इस नवीन माध्यम के समक्ष फर्जी खबरों, अफवाहों और नियमन जैसी कुछ चुनौतियां भी है, जिसके समाधान के लिए प्रबन्धन की आवश्यकता है। इस शोध पत्र में वेबसाइट के महत्व, चुनौतियों और प्रबन्धन पर प्रकाश डाता गया है।

Key words – वेबसाइट, इंटरनेट, प्रबन्धन।

Palestine Journal of Mathematics

Vol. 8(2)(2019) . 365-379

© Palestine Polytechnic University-PPU 2019

Direct estimates for certain summation-integral type operators

Alok Kumar and Artee

Communicated by Jose Luis Lopez-Bonilla

MSC 2010 Classifications: Primary 41A25, 26A15, Secondary 41A36, 40A35.

Keywords and phrases: Local approximation, Voronovskaja type theorem, rate of convergence, modulus of continuity, weighted L_p -approximation.

The authors are very grateful to the referee for a careful reading of the manuscript, suggestions and comments which improved the presentation of the paper.

Abstract. The present article deals with the general family of summation-integral type operators. Here, we introduce and study the Stancu type generalization of the summation-integral type operators defined in (1.1). First, we obtain the moments of the operators and then prove the Voronovskaja type theorem and basic convergence theorem. Next, the rate of convergence and weighted approximation for the above operators are discussed. Then, weighted L_p -approximation and pointwise estimates are studied. Further, we study the A-statistical convergence of these operators. Lastly, we give better estimations of the above operators using King type approach.

screenshots of each research articles clearly showing the title of the article, affiliation, name of the journal, year and authors name?