JANUARY 2017 EDITION

GOKUL EPITOME

GOKUL GROUP OF INSTITUTIONS BOBBILI

BY
R.SRINIVAS RAO
ASST.PROFESSOR in EEE

GOKUL WISHES A VERY HAPPY & PROSPEROUS NEW YEAR TO ALL THE MEMBERS 2017

CONTENTS

Publication & Presented By Members

Prof. S V Gopalkrishna
M.Pharm, Ph.D
Principal & professor
Gokul College of Pharmacy

1. **Title of paper:** **Determination Of Vilazodone In Pharmaceutical Formulations By HPLC Method** in *Journal of Global Trends in Pharmaceutical Sciences, Devika G S et al. / JGTPS / 5(4) - (2014) 2261 – 2264, ISSN: 2230-7346.*

Abstract:

Vilazodoneisan anti-depressant drug. A simple, precise and rapid RPHPLC method was developed for the estimation of Vilazodonein pharmaceutical dosage forms. The method was carried out on a C8 (4.6x150 mm, 3.5micron, make: Xterra) column using a mixture of Methanol: 10mM potassium dihydrogen phosphate (20:80 pH 3.5 adjusted with acetic acid). Retention time of Vilazodone was found to be 2.5 min+or-0.5 min.The detection was carried out at 257 nm .The linearity was found to be 2 to 12 µg/ml with correlation coefficient of 0.9996. The intra-day and inter-day precision (% RSD) were in the range of 0.29 to1.16 and 0.45 to 1.19, respectively. The percentage recovery was found to be 99.52±1.51 to 100.59±1.16. The result of analysis of marketed formulation was found to be 100.32±0.96 to100.95±0.69. The proposed method was successfully applied for the estimation of Vilazodonein pharmaceutical dosage forms.

2. **Title of paper:** **Formulation and Characterization of Galantamine Hydrobromide extended release tablets**, *by Kishore Kamere, Gampa Vijaykumar, Gopalkrishna SV, Journal of Global trends in Pharmaceutical Sciences, Vol.6(4): 2015; P 2913-2919, ISSN: 2230-7346 Elsevier International Journal, Included in Thomson Ruters Impact factor: 0.187 (Global impact factor); Universal impact factor: 1.3584*

Abstract: The objective of this study was to design oral extended release tablets of Galantamine Hydrobromide which can be used to moderate or delay the manifestation of Alzheimer's disease symptoms, using HPC HXF as the retardant polymer and to study the effect of various formulation factors such as polymer proportion, concentration of glidant, lubricant and their impact on the formulation. The tablets were prepared by the direct compression method. The formulated tablets were also characterized by physical and chemical parameters. The powder blend showed satisfactory flow properties, compressibility, and drug content. In vitro release studies were performed using US Pharmacopeia type II apparatus (Paddle method) in 900 ml of pH 6.8 phosphate buffer, 0.1 N HCl and pH 4.5 Acetate buffer. The total release proportions of galantamine hydro bromide from extended release tablets of optimized formula of F15 reached higher than 85 % within 12 hrs in all media.

Mr.R.Srinivas Rao, M.Tech
Asst.Professor of Electrical & Electronics Engineering.
Gokul Institute of Technology and Sciences

1. **Title of Paper:** **"Reduction of Harmonics in Shunt Active Power Filter y using Fuzzy Logic Controller"** in *International Journal of Advanced Technology and Innovative Research, IISN: 2348-2370, Volume 8, Issue 23, and December 2016, pages: 4588-4593.*

Abstract:

In recent years numerous harmonic disturbances occur in power lines, primarily thanks to the nonlinear hundreds equivalent to electrical machines, static power converters, and discharge furnaces. Thanks to Wide application of non-linear hundreds and electronic equipment's in distribution system, the matter of power quality has become serious. This instrumentality will cause high disturbances within the power provide system. Result

of harmonic current and voltages within the installation affects the instruments connected to same installation. Shunt Active Power Filter (SAPF) is that the widespread and economical resolution to cut back these harmonics. SAPF will overcome voltage sag, eliminate harmonics and improves power issue. SAPF reduces total harmonic distortion (THD) to acceptable level. Reference current generation is that the heart of APF. During this paper we tend to consider style of Shunt Active Power Filter (SAPF) by Fuzzy logic controlled, three-phase shunt active filter is used to improve power quality by compensating current harmonics which is required by a nonlinear load. The merit of fuzzy control is that it is based on defined Simulation results obtained shows that the performance of fuzzy controller is found to be better than PI controller. Linguistic rules and does not require any mathematical. Here we tend to use Mat lab/Semolina to get the result.

Mr.CH. VINODH KUMAR, M.Tech
Asst.Professor
Dept. of CIVIL
Gokul Institute of Technology and Sciences

1. **Title Of Paper**: "**Mechanical Properties Of Self Compacting Concrete Made With OPC53 S Cement**" *In International Journal Of Engineering Sciences & Reaserch Technology (IJESRT), ISSN: 2277-9655 IMPACT FACTOR: 4.116, CODEN: IJESS7 PUBLISED MONTH: OCT, 2016*

Abstract:

The use of self-compacting concrete (SSC) which is capable of flowing in farm work and congested reinforcement without any mechanical vibrator fill the concrete voids with its high paste content is highly durable and Economical. It is believed that this kind of property is attained by achieving high placing density among the constituents of concrete with satisfactory workability properties. A comparative experimental studies on the arrived M40 grade SCC is carried out with replacement of ordinary port land cement (OPC53) (IS 12269) with OPC53S (per IS4031) varying from different percentages to determine optimum replacement. Fresh properties of SCC reveal the enhancement of workability satisfying permissible limit

2. **Title of Paper**: "**Comparison of Strength for Concrete with GGBS and Cement Using Accelerated Curing Method**" *In International Journal of Engineering Reaserch & Application (IJERA), ISSN: 2248-9622, Vol. 6, Issue 10, (Part -2) October 2016, PP.96-100.*

Abstract:

Ground granulated blast-furnace slag (GGBS) is the granular material formed iron ore is molted. Blast furnace slag is by-product of steel manufacture which is sometimes used as a substitute for Portland cement. In steel industry when iron ore is molted, then in the molted state all the impurities come at its surface which are removed called slag. It consists mainly of the silicates and alumino silicates of calcium, which are formed in the blast furnace in molten form simultaneously with the metallic iron. Blast furnace slag is blended with Portland cement clinker to form Portland blast furnace slag cement.

GGBS is used to make durable concrete structures in combination with ordinary Portland cement and/or other pozzolanic materials. GGBFS has been widely used in Europe, and increasingly in the United States and in Asia (particularly in Japan and Singapore) for its superiority in concrete durability, extending the lifespan of buildings from fifty years to a hundred years.

This project presents the feasibility of the usage of GGBS as hundred percent substitutes for Ordinary Portland cement in concrete. Design mix for M20 and M30 has been calculated using IS 10262-2009 for both accelerated curing in warm water and accelerated curing in boiling water method. Tests were conducted on cubes to study the strength of concrete by using GGBS and Ordinary Portland cement

FACULTY & SKILL DEVELOPMENT PROGRAM CONDUCTED on 3rd, 4th, & 5th JAN 2017 by Prof. M L SaiKumar

PHARMA CARNIVAL on 5TH JAN 2017

CYIENT LTD CAMPUS PLACEMENTS DURING JANUARY 2017

AWARENESS PROGRAM
Medical camp conducted at college campus

REPUBLIC DAY 26-01-2017

GOKULAM YOUTH FEST ON 29TH JAN 2017