



शिवाजी विद्यापीठ, कोल्हापूर

प्रति,
मा. प्राचार्य/संचालक,
सर्व संलग्न महाविद्यालये/मान्यताप्राप्त संस्था,
शिवाजी विद्यापीठ, कोल्हापूर.

महोदय/महोदया,

ANVESHAN-२०१८ (Central Zone Student Research Convention). बाबत कलिंग विद्यापीठ, नवीन रायपूर, छत्तीसगड, यांचे दि. २२ जाने, २०१९ रोजीचे ई-मेल द्वारे प्राप्त सोबतचे पत्र माहितीसाठी व आवश्यक त्या कार्यवाहीसाठी जोडले आहे.

कळावे,

सोबत - वरीलप्रमाणे.

संदर्भ क्र. संलग्नता/टी-२/ २२५

दिनांक - २५ JAN २०१९

आदेशान्वये

(श्री. व्ही. एस. सोयम)
उपकुलसचिव



KALINGA UNIVERSITY

Established under Chhattisgarh Private Universities (Establishment and Operation) Act, 2005

Kotni, Near Mantralaya, Naya Raipur, Chhattisgarh, INDIA – 492 101
Mob: 93030 97043, Email- kalingauniversity1@gmail.com

Ref. No. /KU/ANVESHAN

Raipur 11/12/2018

To,

The Vice Chancellor / Registrar

Subject: Reminder for ANVESHAN -2018 (Central Zone Student Research Convention).

Dear Sir/Madam,

Greetings from Kalinga University, New Raipur!!!

Kalinga University is a well reputed, leading State Private University established under State Legislative Act [Chhattisgarh Private University (Establishment and Operation Act)] 2005, located in Atal Nagar, capital of Chhattisgarh state.

With immense pleasure, we would like to inform you that Kalinga University is going to organize **Central Zone Student Research Convention: ANVESHAN** on 28-29th January 2019 in Kalinga University Campus, Atal Nagar, Raipur, Chhattisgarh. This Research Convention is an attempt to inculcate and strengthen a culture of Research in the institutions of higher learning.

We request you to kindly circulate these below cut off dates to the shortlisted participants of your University, so that they can timely participate for Second Phase (**Central Zone Student Research Convention**) or kindly send their list to us.

Particulars	Date	Remark
Important dates for Abstract Submission	05 th to 10 th Jan 2019	Send abstract in Email ID-anveshankalinga@gmail.com
Application form (duly filled) (soft or hard copy) should reach in between	05 th to 10 th Jan 2019	Email ID - anveshankalinga@gmail.com Address- Kalinga University, Village-Kotni, Near Mantralaya Building, Atal Nagar, Raipur, Pin code - 492101
Request for accommodation should be informed in between	15 th to 20 th Jan 2019	Contact – Mr. Chandrashekhar Sahu Cell no. – 9329767785, 7000336242

Enclosed -

1. ANVESHAN brochure attached herewith for your kind reference
2. Important contact number with concerned department also attached for your ready reference.

With warm regards,

Thanking You

Dr. Anand Mahalwar,
Professor & Principal,
Kalinga University-Faculty of Pharmacy,
And
Coordinator,
ANVESHAN-Central Zone,
Atal Nagar, Raipur, Chhattisgarh.
Mo. No. 7024133412
Email ID- anveshankalinga@gmail.com



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ANVESHAN - 2018

Central Zone Student Research Convention

28 - 29 January, 2019

Hosted by

KALINGA UNIVERSITY

In association with

ASSOCIATION OF INDIAN UNIVERSITYES (AIU)

New Delhi

Important contact numbers with department:

Name of Committee	Name of In-Charge	Contact No.
Registration	Dr. Hemant Kumar Badwaik	7879059209
Scientific & Publication	Dr. Bibekananda Mehar	8126451119
Transportation	Mr. Dinesh Sharma	9406096151
Accommodation	Mr. Chandrashekhar Sahu	9329767785 7000336242

Dr. Anand Mahalwar,
Professor & Principal,
Kalinga University-Faculty of Pharmacy,
And
Coordinator,
ANVESHAN-Central Zone,
Atal Nagar, Raipur, Chhattisgarh.
Mo. No. 7024133412
Email ID- anveshankalinga@gmail.com

Registration Form for Central Zone Student Research Convention

Name:

Father/Guardian's Name:

Name of the University/College/Institute where studying

(Please mention clearly if you are pursuing your study from University Teaching Department)

.....

If you are studying in a college/institute, please mention the Name of the University to which your college/institute is affiliated to:.....

Name of the Zone: Central

Nomenclature of the Degree for which enrolled:

Subject/Discipline:

Year in which you are studying at present:

Parmanent Address

.....

Address for Communication:

.....

Phone: (Off) (Res) (Mob)

Subject Area

Date of commencement & completion of the Project:

Application of the Outcome of the Project (if any)

Please mention briefly about the nature of the application of the project

.....

Whether the project has been sent for some other competition earlier? Yes/No

If Yes, mention place and date

Accommodation required: Yes / No

Date.....

Signature of Candidate

Forwarding from the University
(Signature with Seal of the Competent Authority)



Anveshan : Central Zone Student Research Convention



Formulation, Characterization And Evaluation of ABCD Nano-suspension

Ravi Sahu^{*1}, Rupesh Kumar²

¹Kalinga University, Faculty of Pharmacy, New Raipur, Chhattisgarh 49210

²Orbit School of Pharmacy, MSG University, Raipur, Chhattisgarh ,492001

ABSTRACT

A ABCD nanosuspension is a versatile formulation combining conventional and innovative features. It comprises 100% pure drug nanoparticles with sizes in the nano-scale range, generally stabilized by surfactants or polymers. Nanosuspensions are usually obtained in liquid media with bottom-up and top-down methods or by their combination. They have been designed to enhance the solubility, the dissolution rate and the bioavailability of drugs. ABCD Nanosuspension can close this gap by combining traditional and innovative drug formulations.

INTRODUCTION

ABCD Nanosuspension can close this gap by combining traditional and innovative drug formulations.

Indeed, they can be used in many pharmaceutical dosage forms as such, or developed as new nano-scaled products. Engineered surface nanosuspensions have recently been proposed as a dual strategy for stability enhancement and targeting delivery of nanocrystals.

ABCD nanosuspensions can be also considered a drug delivery nanotechnology for the preparation of nanomedicine products. ABCD Nanosuspension can close this gap by combining traditional and innovative drug formulations

METHODOLOGY

Literature survey Procurement of polymers. Collection of plant material Extraction of drug from collecting plant materials.

Preformulation studies of drug Micromeritic study. Spectroscopy of ABCD Solubility study. In vitro dissolution study of pure drug formulation and characterization of drug

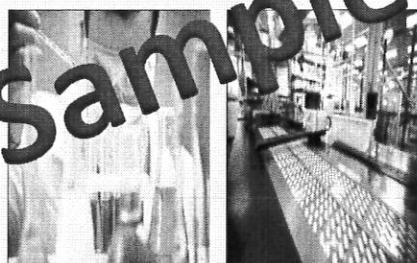
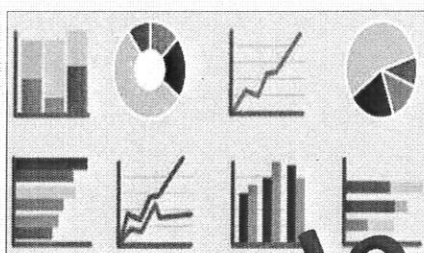


Figure 1. Laboratory

Figure 2. Production

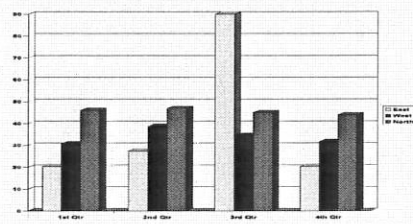


Chart 1. Drug concentration and absorbance

RESULTS AND DISCUSSION

Organoleptic characteristics of pure drug showed that the drug is white coloured, odourless, crystalline and bitter in taste. From phase solubility study the drug : BCD ratio of 1:2 has optimum complexation takes place. Higher percentage of drug complexation was obtained with kneading method than with physical mixture. The dissolution study was carried out for pure drug, physical mixture, and kneading mixture in distilled water and is found to be 2.1%, 5.1%, and 6.3% in 30 minutes respectively.

CONCLUSION

(Nanosuspensions are being formulated on certain drug (ABCD). The result obtained with nanosuspension of ABCD that was developed and evaluated in the present study are encouraging. The formulation 2 chosen in the study has given the better result. After making complexation with BCD at the dissolution rate been found to be 80.

REFERENCES

1. Gupta SS. Prospects and perspectives of natural plant products in medicine. Indian J Pharmacol. 1994;2:1-12.
2. Satyavati GV, Gupta A, Tandon N. Medicinal plants of India (II) New Delhi: Indian Council of Medical Research; 1987.
3. Handa SS, Chakraborty KK, Sharma A. Antihepatotoxic activity of some Indian herbal formulations as compared to silymarin. Fitoterapia. 1986;57:307.

ANVESHAN: Student Research Convention (Central Zone)

Hosted by KALINGA UNIVERSITY In association with ASSOCIATION OF INDIAN UNIVERSITYES (AIU), New Delhi

ANVESHAN

Central Zone Student Research
Convention

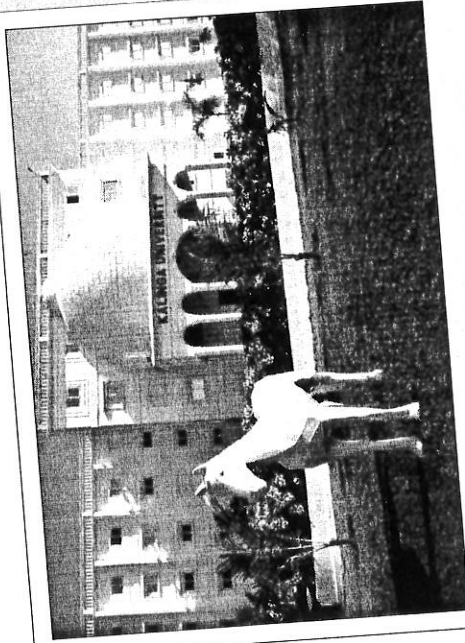
under the aegis of
Association of Indian Universities



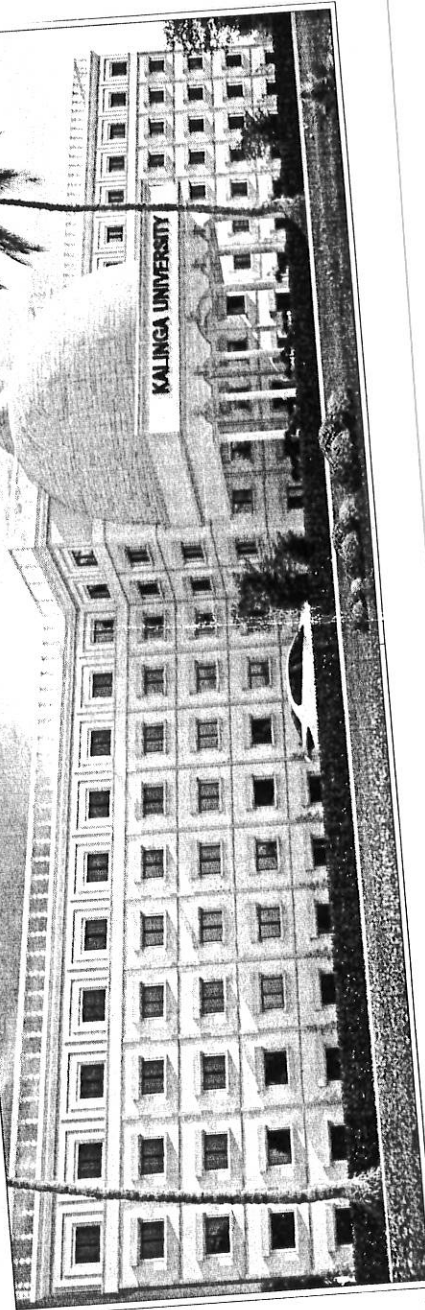
Hosted By
KALINGA UNIVERSITY



28-29th January, 2019



ANVESHAN



**Students
from
6 Foreign
Countries**



NIIT

Preparing students for IT,
Non IT & Soft Skills



CAREER LAUNCHER

Preparing Students for
Competitive and
Government Jobs
examinations.

About Kalinga University:

Kalinga University (KU) is a well reputed State Private University established under state Legislative Act [Chhattisgarh Private University (Establishment and Operation) Act] 2005, Government of Chhattisgarh and recognized by the UGC under section 2(f) of UGC Act 1956, having campus spread over more than 35 acres of land with world class infrastructure. The University offers Diploma, Under Graduate, Post – Graduate and Research Programs under the Faculty of Engineering and Technology, Pharmacy, Commerce & Management, Computer Applications, Sciences, Education, Arts & Humanities. KU is equipped with lots of modern laboratories with unique and sophisticated instruments. The primary purpose of Kalinga University is to provide a learning environment in which faculty, staff and students can discover, examine critically, preserve and transmit the knowledge, wisdom and values that will ensure the survival of future generations and improve the quality of life for all.

Preamble

With a view to inculcating research culture in our higher education institutions, the Research Division of Association of Indian Universities has taken a pioneering initiative to organize Student Research Conventions for the aspiring researchers throughout the country. These Conventions aim to identifying the young and rising talents who would be promoted through proper encouragement and incentives. Also an attempt shall be made to commercialize their Research projects with industrial collaboration. Student Research Convention is applauded across the country for providing innovative platform for Researchers and generating enthusiasm among young and emerging breed of research.

Objectives

- To identify young talents with research aptitude and interest to take up research as career option.
- To promote the talent in research throughout the country.
- To nurture the talent through specialized training and education in some of the Nationally and Internationally reputed premier institutions of higher learning in the country.
- To augment financial and physical resources through collaboration with different sponsors for supporting education and training of the young researchers.
- To provide proper incentives to enhance the skill of potential students.
- To initiate an intensive research culture in a selected group of institutions.

About Anveshan

Anveshan: The Student Research Convention is an attempt to inculcate and strengthen a culture of research in the university and other institutions of higher learning. This is an initiative of Association of Indian Universities, New Delhi.

Areas/Field/Categories

The areas/fields in which Projects are invited:

(Individual and Group Projects*)

- Agriculture
- Basic Sciences
- Engineering & Technology
- Health Sciences and Allied Subjects, Pharmacy, Nutrition, etc.
- Social Sciences, Humanities, Commerce and Law (Objective and Result Oriented Projects)

- In case of a Group project, only three members [one Principal investigator and two major contributors] are allowed to participate in the Zonal/ National Level convention.

Nature of the Project

The Project must be original and must have undergone some exploration/ground work in order to show its feasibility and impact. The convention will be held in three phases:-

- (1) First Phase:- University level
 - (2) Second phase:- Zonal level
 - (3) Third phase:- National level
- A total of 75 selected projects (from five zone), will be selected for National Level convention.

Method of Assessment

The projects will be assessed on the basis of the presentation in three rounds. In the first round the participants will display their projects in Poster Presentation (size of poster 1mX1m) before a panel of judges. If selected in the first round, the project will be allowed for podium and oral presentation before the panel of judges in the second round. In the third round the presentation will be open for question-answer session. The total time allowed for oral/podium presentation is 10 minutes. Seven minutes for presentation and three minutes for question-answer session.

Criteria and Weightage

The final selection of the project is based on the cumulative weightage given in all the criteria, details given below:-

Scientific Thoughts and Principles	20
Creativity	20
Thoroughness	10
Skill	10
Relevance	20
Cost Effectiveness	10
Teamwork	10
Total	100

Apart from the above criteria scope of commercialization of the project will be considered as an additional merit.

Eligibility for Participation

Entries of the research projects will be purely institutional and only bonafide fulltime students/research scholars from Undergraduate to Doctoral Degree level are eligible to take part in the convention.

Entry Registration fees

Entry Registration fees - Rs. 500/- for Zonal level competition in the form of Demand Draft drawn in favour of "Association of Indian Universities, New Delhi" should be deposited along with registration form.

Procedure to apply

The students which are shortlisted in the first phase are eligible for Zonal level convention. Registration form for Zonal level convention is available on University website: www.kalingauniversity.ac.in After opening the home page of University website please click to Anveshan section; download the registration form fill and forward it through competent authority by Post or Email to Deputy Director, Research Division, Association of Indian Universities, New Delhi with a copy to the coordinator of the organizing University. The detail address are given below:-

Dr. Anand Mahalwar

Coordinator, ANVESHAN: Central Zone,

Professor & Principal,

Kalinga University - Faculty of Pharmacy,

New Raipur, 492101 (CG) India.

Mob: 7024133412,

Email: anveshankalinga@gmail.com

With a copy to:

Dr. Amarendra Pani

Head, Research Division,

Association of Indian Universities, AIU house,

16 comrade Indrajit Gupta Marg, New Delhi-110002.

Email- researchaiu@gmail.com

About Chhattisgarh State & Raipur City:

Chhattisgarh is located in the Chhattisgarh Plain, which forms the upper Mahanadi River basin, sometimes referred as the "Rice Bowl of India", where hundreds of varieties of rice are grown. Raipur is the capital city of Chhattisgarh State in Central India. It represents the Administrative, Educational, Business and Industrial- seat of the State. The Mahanadi River flows to the east of the city of Raipur, and the southern side has dense forests.

How to Reach Kalinga University (KU):

Air way: Swami Vivekananda International Airport is located at the distance of 14.5 km from KU.

Railway: Raipur Railway Station

(Junction) is the nearest (28.6 km) Railway Station to reach KU.

Road way: Raipur Bus Stand (Pandari) is the nearest bus stand to reach (26 km) KU.

Other transport like City Bus, Taxi (Ola, Uber) and Auto are frequently available to reach KU from Ghadi Chowk of Raipur City.