

INVERTIS

UNIVERSITY BAREILLY

BUILDING VIBRANT PERSONALITIES

Criterion 6.3.2

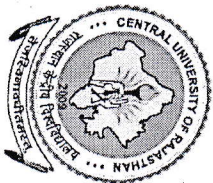
Certificates of Participation 2017-18



Invertis Village, Highway NH-24,
Bareilly, U.P.-243123

+91-9690955599
Toll-Free 1800-274-5252

info@invertis.org
www.invertisuniversity.ac.in



gijan

GLOBAL INITIATIVE OF ACADEMIC NETWORKS



CERTIFICATE OF PARTICIPATION

This is to certify that Prof. / Dr. /Mr. /Ms. Mohin Akmal from

Central University of Rajasthan participated in the

course **"BIG DATA ANALYSIS AND MINING IN DEEP WEB REPOSITORIES",**

held during January 08th to 12th, 2018 at Department of Computer Science, Central

University of Rajasthan, Ajmer, India.

Prof. Gautam Das

(Foreign Faculty)

Department of Computer Science
University of Texas, Arlington

Central University of Rajasthan
Ajmer
Gareilly

Dr. Sanjay Kumar

(Local Coordinator)

Central University of Rajasthan

Sanjay Kumar

Dr. A. Nagaraju

(Course Coordinator)

Department of Computer Science
Central University of Rajasthan

Sanjay Kumar



HOWARD UNIVERSITY & INVERTIS UNIVERSITY
JOINTLY ORGANIZING



USA Pluralism, Society and Management INDIA

August 17, 18 & 19, 2017

Certificate
Oral Presentation



This is to certify that Prof./Dr./Mr./Ms. Aruna Shukla.....

Participated in 2nd International Conference on "PLURALISM, SOCIETY & MANAGEMENT"
held at 'INVERTIS UNIVERSITY', BAREILLY, INDIA in which he delivered a talk on the
topic..Shiva..lingam...a...symbol..of..nuclear..powered..energy..source of
Society.

Bareilly

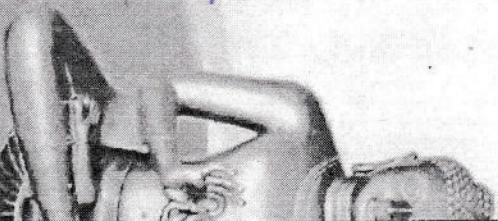
Bareilly



Prof. Narendra Rustagi
International Convener

Prof. Jagdish Rai
National Convener

Prof. R.K. Shukla
National Co-Convener





INVERTIS
UNIVERSITY BAREILLY

ICMR
New Delhi

4th International Conference

on
Emerging Trends in Protein Science & Proteomics

"GenoPro2017"

15th - 16th September, 2017

Certificate

This is to certify that Prof./Dr./Mr./Ms.

Harvinder Kumar Shukla

from

Invertis University

for

attending the Conference/ Poster Presentation/

Oral Presentation/ Young Scientist talk entitled

Impact of India's National Food Security

Act on Food Reserves and Domestic Rice Market

Prof. Jagdish Rai
Vice-Chancellor

ORGANIZED BY:

DEPARTMENT OF BIOTECHNOLOGY,
INVERTIS UNIVERSITY, BAREILLY

Baraita

Dr. Nitesh Kumar Poddar
Convenor

Phone: 0581-2460442, 443 • Telefax: 0581-2460454 • E-mail: genopro2017@invtu.org • <http://genopro2017invtu.org/> • www.invertisuniversity.org
Sponsored by DST-SERB and ICMR, New Delhi and Invertis University Bareilly

INVERTIS UNIVERSITY

BAREILLY

International Conference *On* *Sustainable Development Through* *Technology & Management* (ICSDTM-2018)

6th & 7th April, 2018

Certificate of Participation *as* *Session Chair*

This is to certify that Prof./Dr./Mr./Ms. *Arvind Kumar Shukla*
chaired the following session *on sustainable development* at Invertis
University in the International Conference on "Sustainable Development
Through Technology & Management" on 6th & 7th April, 2018.

Jagdish Rai
Prof. Jagdish Rai
Vice-Chancellor

Manish Gupta
Dr. Manish Gupta
Dean - Faculty of Management

Santosh
Registrar
Invertis University
Bareilly

Ruchi
Ms. Ruchi Rastogi
Convener



International Seminar Advanced Computing Technologies

ACT2018

Organised by : DEPARTMENT OF COMPUTER APPLICATIONS

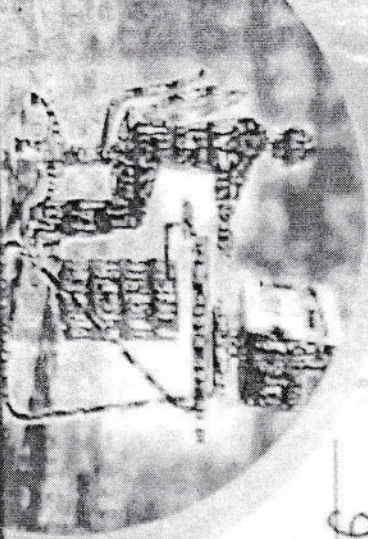
20th-21st April, 2018

Certificate

This is to certify that Prof./Dr./Mr./Ms. Axvind Kumar Shukla
of organisation Invertis University, Bareilly participated/attended in the
International Seminar on "Advanced Computing Technologies (ACT2018)" during
April 20th-21st, 2018 and presented a paper, entitled A Study of
Impact of IT Act 2008 on Cyber Crime in India.

Prof. Jagdish Rai
Vice-Chancellor

Dr Anand Kr. Shukla
Convener



INVERTIS UNIVERSITY

BAREILLY

International Conference

Sustainable Development Through Technology & Management

(ICSDTM-2018)

6th & 7th April, 2018

Certificate


This is to certify that Prof./Dr./Mr./Ms. *Pheeraj...Gandhi*.....

participated/attended the International Conference on "Sustainable
Development Through Technology & Management" on 6th & 7th April,

2018 and presented the paper entitled *Sustainable....Development*

in the Era....of....Globalization.

Prof. Jagdish Rai
Vice-Chancellor


Dr. Manish Gupta
Dean - Faculty of Management


Ms. Ruchi Rastogi
Convener
Registrar
Invertis University
Bareilly

Invertis Village, NH-24, Bareilly-243123 (UP)


INVERTIS



40th All India Accounting Conference and International Seminar on Accounting Education and Research



Organised by University College of Commerce and Management Studies, Mohanlal Sukhadia University, Udaipur

In association with

Janardan Rai Nagar Rajasthan Vidyapeeth (Deemed) University and Indian Accounting Association, Udaipur Branch

Udaipur, Rajasthan

November 18-19, 2017

Certificate

This is to certify that

Prof./Dr./Mr./Ms. DHEERAJ GANDHI, Assistant Professor

of Invertis University, Bareilly (Up) (Joint Author) has presented a paper entitled Demonetization: Issues and Challenges to Accounting in technical session of Demonetization: Issues and Challenges with Special Reference to Accounting and Finance.

(Arvind Kumar)

President, IAA

Professor (Ex Head & Dean)

Faculty of Commerce

University of Lucknow, Lucknow, U.P.

(G. Simon Thattil)

General Secretary, IAA

Professor, School of Business
Management & Legal Studies

University of Kerala, Trivandrum, Kerala

(G. Sorai)

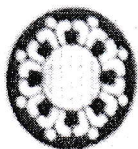
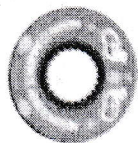
Conference Secretary

Professor, Dean, Faculty Chairman & Head
UCCMS, Mohanlal Sukhadia University

Udaipur, Rajasthan

Invertis University

Janakpuri



Organized by
Faculty of Commerce and Management
THE IIS UNIVERSITY JAIPUR

Certificate

This is to certify that **Dr. Dheeraj Gandhi**
of **Invertis University, Bareilly**
attended this Conference as a delegate.

His active participation was highly appreciated.

RCPL

Prof. Raakhi Gupta
Faculty & Registrar
The IIS University, Jaipur

Dr. Balwinder Singh

Dr. Balwinder Singh
Secretary
Indian Commerce Association

Prof. Subhash Garg

Prof. Subhash Garg
Conference Secretary
The IIS University, Jaipur

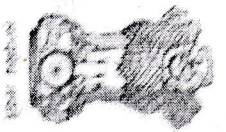
Dr. Arvind Kumar

Prof. Arvind Kumar
President
Indian Commerce Association

Dr. Ashok Gu

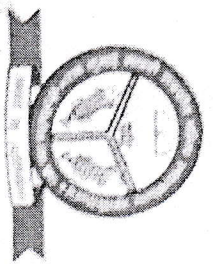
Dr. Ashok Gu

Dr. Ashok Gu
Vice Chancellor
The IIS University



NATIONAL SEMINAR ON

GST



A ROAD MAP OF ECONOMIC DEVELOPMENT FOR NEW INDIA

01-02 February 2018

Sponsored by

Department of Higher Education, Govt. of Uttar Pradesh

Organized by

Ram Lal Bahadur Sahani Government Mahila PG College, Pilibhit-262001

(Affiliated to M.J.P. Rohilkhand University, Bareilly)

NMAC Accredited-Grade B

CERTIFICATE

DEEPAJ GANDHI

ASSISTANT PROF. / HOD

Department of MANAGEMENT

INVERTIS UNIVERSITY, BAREILLY

Participated in the National Seminar as a guest speaker / delegates / resource person / oral person of the academic session

on the topic / presented a research paper / article entitled A Comparative Study on GST Practices

in India & other countries

Signature

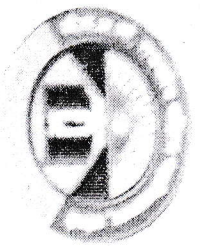
Dr. Anand Kumar Bhatia

Organizing Secretary

Signature

Dr. Kishor Kumar

Principal, College



NATIONAL SEMINAR

SKILL DEVELOPMENT: Bridging Gaps between Entrepreneurship and Academic Excellence

06-07 January 2018

Sponsored By Higher Education Department U.P. Govt.

Under the auspices of

V.R.A.L. Rajkiya Mahila Mahavidyalaya Bareilly (U.P.)

(Affiliated to M.J.P. Rohilkhand University)

B + Accredited by NAAC

Certificate

This is to certify that **Dr. Prof. M. V. S. DHEERAJ. SHANPRH, Asst. Prof. - Management**

Invertis University, Bareilly

participated in the National Seminar

Skill Development: Bridging Gaps Between Entrepreneurship and Academic Excellence and presented paper on Skill Development in Higher Education: Trends and Issues

are / chaired session.

ari Lal

Organizing Secretary

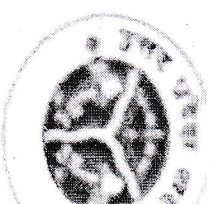
Dr. Sandhya Saxena

Organizing Secretary

Registrar
Invertis University
Bareilly

Dr. Mamta Bans

Conference Director





SWAMI SHUKDEVANAND 9th INTERNATIONAL SEMINAR

Permitted by : Govt. of India, Ministry of Home Affairs

on

"International Terrorism, Tourism and Economic Health of the World"

Organized by

Faculty of Commerce & Management Studies

S.S. (PG) College, Mumukshu Ashram, Shahjahanpur NAAC^A

(Affiliated to M.J.P. Rohilkhand University, Bareilly (U. P.), India)

In Academic Collaboration with

Indian Association for Management Development (I.A.M.D.)

U.P. Chapter - Indian Commerce Association (I.C.A.)

Gaechdu College of Business Studies, Bareilly

16 & 17 December, 2017

Certificate

Dr. AMERAJ GANAI

Department of MANAGEMENT

NAAC^A UNIVERSITY

He/she contributed a research paper entitled IMPACT OF CORRUPTION ON
ECONOMIC HEALTH OF INDIAN ECONOMY

Chairman

Dr. A.K. Mishra

Co-Chairman

Prof. P.K. Yadav

Co-Organizer

Dr. Shakti Kumar Singh

Co-Organizer

Prof. H.M. Singh

Registrar
Invertis University
Bareilly

Dr. Anand Kumar Singh

Head, Faculty of Commerce

S.S. (PG) College

INVERTIS UNIVERSITY

BAREILLY

International Conference on Sustainable Development Through Technology & Management

(IICSM-2018)

6th & 7th

Certificate

This is to certify that Prof./Dr./Mr./Ms. *Prof. Dr. J. P. V. Singh Bhandari*
participated/attended the International Conference on "Sustainable
Development Through Technology & Management" on 6th & 7th April,
2018 and presented the paper entitled *A study on usage of...*
Formal Banking amongst Urban households Biharkala
Bareilly.

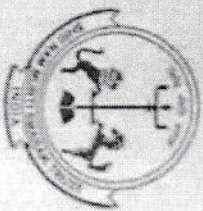
Prof. Jagdish Rai
Vice-Chancellor

[Signature]
Dr. Manish Gupta
Dean - Faculty of Management

[Signature]
Ms. Ruchi Rastogi
Convener

Invertis Village, NH-24, Bareilly-243123 (UP)
Ph. - 0581 2460442/443 | Telefax - 0581 2460454


INVERTIS
UNIVERSITY BAREILLY



SRMS

Regional Business School, Lucknow
College of Engg. & Tech., Bareilly
(Faculty of Management Sciences)

4th National Conference on

"Paradigm Shift in Business Practices"

CERTIFICATE

This is to certify that *Dr./Prof./Mr./Ms. Rajeev Singh Bhandari*.....
has successfully presented a paper on the topic "*A study on the Performance of activities of leading FMCG companies in India*" in a one day National Conference on
"Paradigm Shift in Business Practices" jointly organized by SRMS International
Business School, Lucknow and Faculty of Management Sciences, SRMS College of
Engg. & Tech., Bareilly on January 20, 2018.

Registrar
Invertis University
Bareilly

Mr. Shyamal Gupta
Director
Convenor



प्राथमिक विद्यापीठ

SHRI MATA VAISHNO DEVI UNIVERSITY

School of Business

Katra, Reasi, Jammu and Kashmir, 182320

INTERNATIONAL CASE STUDY CONFERENCE (INCSC 2017)

Supported by



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CERTIFICATE

This is to certify that Mr./Ms./Dr./Prof. RAJEEV BHANDARI attended the International Case Study Conference (INCSC-2017) held on 11th-13th Dec, 2017, at Shri Mata Vaishno Devi University, Katra, Jammu & Kashmir. He/she chaired/co-chaired/delivered lecture/presented the paper FINANCIAL INCLUSION AND ECONOMIC WELL-BEING OF RURAL HOUSEHOLDS.

Organizing Secretary

Rishi

Convenor

Lawal

Shri Mata Vaishno Devi University
Bareilly

Head

Dr. J. K. Bhat

(School of Business)

INVERTIS UNIVERSITY

BAREILLY

International Conference *Sustainable Development Through* *Technology & Management* (ICSDTM-2018)

6th & 7th April, 2018

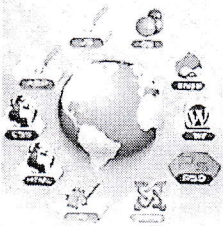
Certificate

This is to certify that Prof. /[✓]Dr. /Mr. /Ms. Angrish Kumar Agarwal
participated/attended the International Conference on "Sustainable
Development Through Technology & Management" on 6th & 7th April,
2018 and presented the paper entitled Black Money: Corruption
and Curbing through Demonetization.

Prof. Jagdish Rai
Vice- Chancellor

Dr. Manish Gupta
Dean - Faculty of Management

Ms. Ruchi Rastogi
Convener



International Seminar
Advanced Computing Technologies
ACT2018

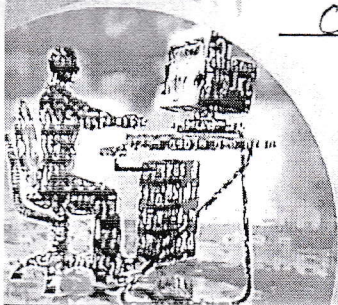
INVERTIS
UNIVERSITY BAREILLY
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Organised by : DEPARTMENT OF COMPUTER APPLICATIONS

20th-21st April, 2018

Certificate

This is to certify that Prof./Dr./Mr./Ms. Angrish K. Agarwal
of organisation Invertis University, Bareilly participated/attended in the
International Seminar on "Advanced Computing Technologies (ACT2018)" during
April 20th-21st, 2018 and presented a paper, entitled M- Services :
Communication and Technology Adoption by Banks.



Prof. Jagdish Rai
Vice-Chancellor

Dr Anand Kr. Shukla
Convener

Department of Computer Applications - INVERTIS UNIVERSITY - NH-24, Near Transport Nagar, Bareilly-243123 • Ph. : 0581-2460442,43 • Fax : 91-581-246044

Santosh

Registrar
Invertis University
Bareilly

INVERTIS UNIVERSITY

BAREILLY

International Conference on Sustainable Development Through Technology & Management (ICSDTM-2018)

6th & 7th April, 2018

Certificate

This is to certify that Prof./Dr./Mr./Ms. *Nitin Sareen*.....


participated/attended the International Conference on "Sustainable

Development Through Technology & Management" on 6th & 7th April,

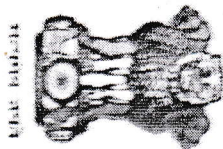
2018 and presented the paper entitled *Assessing... Finance... A.*

*challenge... to... MSME... for... sustainable development of
Indian Economy.*

Prof. Jagdish Rai
Vice- Chancellor

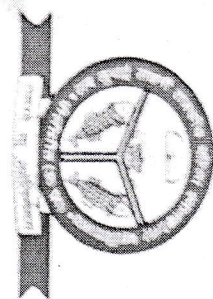

Dr. Manish Gupta
Dean - Faculty of Management

Santosh
Registrar -
Invertis University
Bareilly
Ruchi
Ms. Ruchi Rastogi
Convener



NATIONAL SEMINAR ON

GST



A ROAD MAP OF ECONOMIC DEVELOPMENT FOR NEW INDIA

01-02 February 2018

Sponsored by

Department of Higher Education, Govt. of Uttar Pradesh

Organized by

Kam Lakhai Sahani (Government Mahila PG College, Pilibhit-262001)

(Affiliated to M.J.P. Rohilkhand University, Bareilly)

NMAC Accredited - Grade B

CERTIFICATE

This is to certify that Dr./Mr./Mrs./Miss/ Nitin Saxena

Designation Assistant Professor Department of Management

Institution Investis University Bareilly
Instit Registrar
Investis University
Bareilly

participated in the National Seminar as a guest speaker/delegates/resource person/chair person of the academic session.

He/She participated/presented a research paper/article entitled Goods And Service Tax - A Study of

Impact On Common Man Budget

Nitin

Dr. Narendra Kumar Bafra

Organizing Secretary

Dr. Rekha Kulshreshtha

Principal/Convenor

INVERTIS UNIVERSITY

BAREILLY


International Conference Sustainable Development Through Technology & Management

(ICSDTM-2018)

6th & 7th April, 2018

Certificate

This is to certify that Prof./Dr./Mr./Ms. *Darshnee!... Grover.....*
participated/attended the International Conference on "Sustainable
Development Through Technology & Management" on 6th & 7th April,
2018 and presented the paper entitled *Women... Entrepreneurship:
Issues....and....Challenges:.....*


Prof. Jagdish Rai
Vice- Chancellor


Dr. Manish Gupta
Dean - Faculty of Management


Ms. Ruchi Rastogi
Convener

INVERTIS UNIVERSITY

BAREILLY

International Conference On Sustainable Development Through Technology & Management

(ICSDTM-2018)

6th & 7th April, 2018

Certificate

This is to certify that Prof. /[✓]Dr. /Mr. /Ms. *Hitendra...Shukla*.....
participated/attended the International Conference on "Sustainable
Development Through Technology & Management" on 6th & 7th April,
2018 and presented the paper entitled *Corporate...Governance...
A...digital...communication....challenge.*

Prof. Jagdish Rai
Vice- Chancellor


Dr. Manish Gupta
Dean - Faculty of Management


Ms. Ruchi Rastogi
Convener

INVERTIS

INVERTIS UNIVERSITY

BAREILLY


International Conference on Sustainable Development Through Technology & Management (ICSDTM-2018)

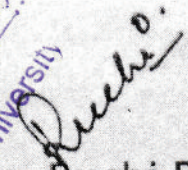
6th & 7th April, 2018

Certificate

This is to certify that Prof./Dr./Mr./Ms. *Ruchi... Rastogi*.....
participated/attended the International Conference on "Sustainable
Development Through Technology & Management" on 6th & 7th April,
2018 and presented the paper entitled *Role of Higher*.....
Education...in...Sustainable...Development.


Prof. Jagdish Rai
Vice-Chancellor


Dr. Manish Gupta
Dean - Faculty of Management


Registrar
Invertis University
Bareilly
Ms. Ruchi Rastogi
Convener

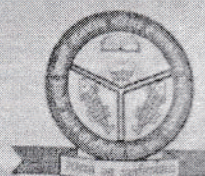
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INVERTIS
UNIVERSITY BAREILLY



NATIONAL SEMINAR ON GST



A ROAD MAP OF ECONOMIC DEVELOPMENT FOR NEW INDIA

01-02 February 2018

Sponsored by

Department of Higher Education, Govt. of Uttar Pradesh

Organized by

Ram Lubhai Sahani Government Mahila PG College, Pilibhit-262001


(Affiliated to M.J.P. Rohilkhand University, Bareilly)


NAAC Accredited- Grade B⁺

CERTIFICATE

Participated in the National Seminar as a guest speaker/delegates/resource person/chair person of the academic session.

He/She participated/presented a research paper/article entitled 'Impact of GST on Indian Economy'


Dr. Narendra Kumar Batra
Organizing Secretary


Dr. Rekha Kulshreshtha
Principal/Convenor


Registrar
Invertis University
Bareilly

INVERTIS UNIVERSITY

BAREILLY

International Conference Sustainable Development Through Technology & Management

(ICSDTM-2018)

6th & 7th April, 2018

Certificate

This is to certify that Prof./Dr./Mr./Ms. *Manmohan Bansal*.....

participated/attended the International Conference on "Sustainable

Development Through Technology & Management" on 6th & 7th April,

2018 and presented the paper entitled *A study on changing....*

*lifestyle pattern of the people among individual/household
of Haridwar Dist. (UP)*



Manmohan
Registrar
Invertis University
Bareilly

Prof. Jagdish Rai
Vice-Chancellor

Dr. Manish Gupta
Dean - Faculty of Management


Ruchi
Ms. Ruchi Rastogi
Convener





2nd International Conference
IMNOPHARM2
Bridging Innovations in
Pharmaceutical, Medical and Bio Sciences


CERTIFICATE

Certify that Prof./Dr./Mr./Ms. Richa Saxena attended the 2nd International Conference on Bridging Innovations in Pharmaceutical, Medical and Bio Sciences organised by Innovare Academic Sciences in association with Paramita Health Care Society on 11 - 12 Feb. 2017 at M.P. Council of Science and Technology, Bhopal (M.P.), India. He/She presented a paper entitled
..... in poster/oral session. ✓

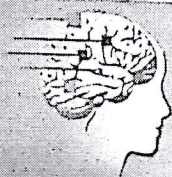

Dr. Avijeet Jain
Chairman


Dr. Parandra Lariya
General Secretary


Dr. Prateek Jain
Secretary


Dr. Alok Pal Jain
Co-ordinator
(Scientific Committee)


Registrar
Bankei University



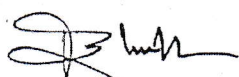
International Conference
on
RECENT ADVANCES IN SCIENCE
(ICRAS-2017)
7 & 8 April, 2017

INVERTIS
UNIVERSITY BAREILLY
Established by Govt. of U.P. vide No. 10544/174 dated 12.7.2008

Certificate of Presentation

This is to certify that Mr./Ms./Dr./Prof. Manali Singh
had presented a paper in Oral/Poster Session in **ICRAS-2017**, International Conference
on "**Recent Advances in Science**" held on 7th & 8th April, 2017.

His/her topic of presentation was Quantification of Withanolides from in vitro
regenerated direct and indirect roots of Withania Somnifera (Ashwagandha)

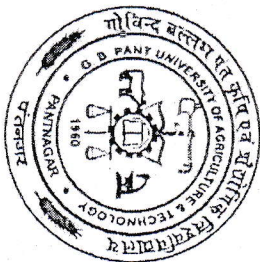

Prof. R.K. Shukla
Dean Academics

Organized By
Department of
Applied Science & Humanities
INVERTIS UNIVERSITY, BAREILLY

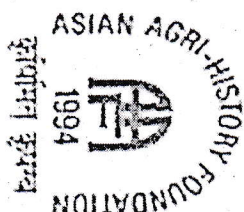

Dr. Kamlesh Kr. Dubey
Convenor

Invertis Village, NH-24, Bareilly-243123 (UP) | Ph. : 0581 2460442/443 | Telefax : 0581 2460454 | Website : www.invertisuniversity.ac.in


Registrar
Invertis University,
Bareilly



UTARAKHAND CHAPTER OF ASIAN AGRI-HISTORY FOUNDATION



G. B. Pant University of Agriculture & Technology, Pantnagar - 263145 (Uttarakhand)

Certificate of Participation

This is to Certify that Dr. / Mr. / Ms. *Manali Singh*

I.D. No./Designation.....*45576*.....

College*College of Basic Science & Humanities*.....

at GBPUA&T, PANTNAGAR has PARTICIPATED in National Workshop on "Innovations in
Traditional Agriculture for Sustaining Humanity" on 29-30 August, 2017 organized by
UTTARAKHAND CHAPTER OF ASIAN AGRI-HISTORY FOUNDATION (UCAAHF) of G. B. Pant
University of Agriculture & Technology, Pantnagar.

(Sunita T. Pandey)
Professor Agronomy &
Secretary UCAAHF

Registrar
Invertis University
Bareilly

Dean, College of Agriculture &
President UCAAHF

(N. S. Murthy)

National Science Day Seminar
28th February, 2017

**"SCIENCE FOR SOCIAL UPLIFTMENT AND
EMPOWERMENT"**

Organized by


Society of Biological Chemists, (India), Pantnagar Chapter

Science and Humanities Society, College of Basic Sciences and Humanities,
Govind Ballabh Pant University of Agriculture & Technology,
Pantnagar

Certificate of Participation

This is to certify that Ms./Mr. Manali Singh from Department of

Biochemistry, College of Basic Sciences & Humanities, G.B. Pant University of
Agriculture and Technology, Pantnagar has participated in National Science Day Seminar on
"SCIENCE FOR SOCIAL UPLIFTMENT AND EMPOWERMENT" held at College of Basic
Sciences & Humanities, GBPUA&T, Pantnagar and presented a paper (Oral/Poster)
entitled "Strategies for ----- Lithania Semifera,"


ASHUTOSH DUBEY
ORGANIZING SECRETARY


UMA MELKANIA
Registrar
Invertis University DEAN, CBSH



INVERTIS
UNIVERSITY BAREILLY



4th International Conference

ON

Emerging Trends in Protein Science & Proteomics

"GenoPro2017"

15th - 16th September, 2017

Certificate

This is to certify that Prof./Dr./Mr./Ms.

MANALI SINHA

from G.B.P.U.A.T, Pantnagar.

for

✓
attending the Conference / Poster Presentation /
Oral Presentation / Young Scientist talk entitled


Prof. Jagdish Kalia
Vice-Chancellor


Dr. Nitesh Kumar Poddar
Convener

ORGANIZED BY:
DEPARTMENT OF BIOTECHNOLOGY,
INVERTIS UNIVERSITY, BAREILLY

Phone: 0581-2460442, 443 • Telefax: 0581-2460454 • E-mail: genomics@invertis.org
• Url: <http://genopro2017.inva.org/>; www.invertisuniversity.ac.in
Sponsored by DST-SERB and ICMR, New Delhi and Invertis University, Bareilly.



Registrar
Invertis University
Bareilly



Society of Biological Chemists
1934

Brain Storming Session

16th September, 2017

“GENETICALLY MODIFIED ORGANISMS IN INDIAN SCENARIO”

Organized by

Society of Biological Chemists, (India), Pantnagar Chapter

&

Department of Biochemistry, College of Basic Sciences and Humanities

Govind Ballabh Pant University of Agriculture & Technology, Pantnagar

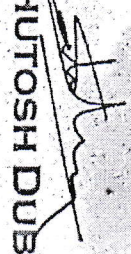
CERTIFICATE OF PARTICIPATION

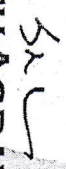
This is to certify that Ms./~~Mr.~~ **MANALI SINGH** from Department

~~Biochemistry~~


, College of Basic Sciences & Humanities, G.B. Pant University of Agriculture

and Technology, Pantnagar has registered and actively participated in Brain Storming Session
“GENETICALLY MODIFIED ORGANISMS IN INDIAN SCENARIO” held on 16th September 2017
at Department of Biochemistry, College of Basic Sciences & Humanities, GBPUA&T, Pantnagar.


ASHUTOSH DUBEY
ORGANIZING SECRETARY


SANJEEV AGRAWAL
HEAD, BIOCHEMISTRY

Registrar
Invertis University


A.K. SHUKLA
DEAN, CBSH

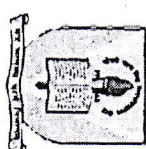
Organised by



Agricultural Technology
Development Society (ATDS)
Ghaziabad, UP

C. No. ATDS/ABCD ... 168, 2017

Co-organised by



Department of Horticulture
C. C. S. University
Meerut, UP

International Conference

on
Advances in Agricultural and Biodiversity Conservation
For
Sustainable development (ABCD -2017)


Certificate


This is to certify that Prof./Dr/Mr/Ms Manali Singh
of Dr. B. P. U. A. & T. Pantnagar

activity participated as Keynote Speaker / Guest Speaker / Delegates / Research Scholar / Student / Delivered
Lecture / Presented a paper (Oral/Poster) entitled "Production of *Rithaferin A* and *Rithaferide*
A in invitro propagated elite accessions of *Rithaeria amnifera*."

in the International Conference on "Advances in Agricultural and Biodiversity Conservation for Sustainable
Development (ABCD-2017)" during 27-28 October, 2017 at Brahaspati Bhawan, C.C.S. University, Meerut,
Uttar Pradesh, India.


Dr Anant Kumar
Co-ordinator

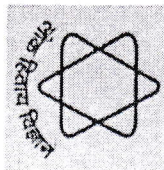

Dr. (Smt.) Rashmi Nigam
Convener


Dr Joginder Singh
Organizing Secretary

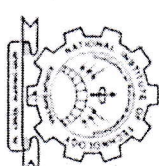
Registrar

Univer





राष्ट्रीय प्रौद्योगिकी संस्थान, कुरुक्षेत्र



द्वारा आयोजित

भारतीय भाषाओं में प्रथम अंतरराष्ट्रीय विज्ञान संगोष्ठी, 2017

प्रमाण - पत्र

प्रमाणित किया जाता है कि श्री/ कु./ श्रीमती जितेन्द्र कुमार चौधरी
ने 22 अगस्त, 2017 को कम्प्यूटर अनुप्रयोग विभाग
द्वारा आयोजित संगोष्ठी में शीर्षक फर्जी प्रतिकृति द्वारा पेय भूख पर सार
प्रस्तुति दी है।
गुणवत्ता का निर्धारण

डॉ. कपिल

रा. प्रौ. सं. कुरुक्षेत्र, भारत
(कार्यक्रम-अध्यक्ष)

डॉ. सारिका जैन

रा. प्रौ. सं. कुरुक्षेत्र, भारत
(कार्यक्रम-अध्यक्ष)



Academic Science

Reference No.: IETEH309



Conference Info

2nd International Conference on Science, Technology & Management (ICSTM-2017)

Venue: The Institution of Electronics and Telecommunication Engineers, Osmania University Campus, Hyderabad, (India) on 15th October 2017

Certificate of Publication

This is to certify that

Amit Taneja
Invertis University, Bareilly, India

Published a paper in

IJIACS, Volume 6, Issue 10, October 2017, ISSN 2347 – 8616

Titled as

"Implementation of Security in Cloud Computing Model Using Cryptographic Algorithm"



UGC Approved Journal



Dr K. Agarwal
Editor, Academic Science

Registrar
Invertis University
Bareilly

Santosh



Three Days Workshop

On Securing the Smart Cities with Internet of Things (IoT) and Block chain

CERTIFICATE OF PARTICIPATION



This is to certify that **AMIT TANEJA** from INVERTIS UNIVERSITY, participated in the course "Securing the Smart Cities with Internet of Things (IoT) and Blockchain" held during March 05th to 07th, 2020 at Department of Computer Science, Central University of Rajasthan, Ajmer, India.

Gaurav Meena
Program Coordinator
Department of Computer Science

Prof. J.K. Prajapat
Dean, School of Mathematics,
Statistics & Computational Sciences

Jyoti Chavhan
In-charge
Central University of Rajasthan

ANDROID DEVELOPER FUNDAMENTALS

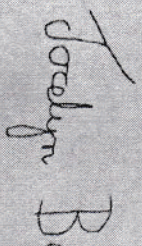
CERTIFICATE OF PARTICIPATION

This is to certify that

Mohit Mishra

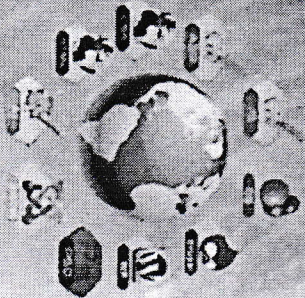
from Future Institute of Engineering & Technology

participated in the Android Developer Fundamentals Faculty training from
26th December 2017 to 30th December 2017.


Jocelyn Becker

Google


Future Institute of Engineering & Technology
Bareilly
Uttarakhand
India



International Seminar Advanced Computing Technologies

ACT2018

Organised by : DEPARTMENT OF COMPUTER APPLICATIONS

20th-21st April, 2018

Certificate

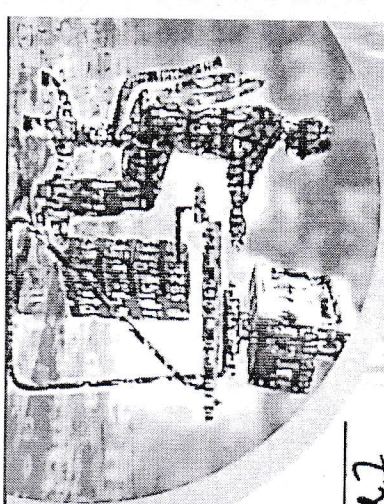
This is to certify that Prof./Dr./Mr./Ms. Anchana Samra

of organisation Invertis University, Bareilly participated/attended in the
International Seminar on "Advanced Computing Technologies (ACT2018)" during
April 20th-21st, 2018 and presented a paper, entitled MPEG 4 Video
transmission over wireless networks multimedia

Banka

Prof. Jagdish Rai
Vice-Chancellor

Dr Anand Kr. Shukla
Convener





International Seminar
Advanced Computing Technologies



ACT2018

Organised by : DEPARTMENT OF COMPUTER APPLICATIONS
20th-21st April, 2018

Certificate

This is to certify that Prof. Dr. Mr. Ms. Nisha Rastogi
of organisation Inverdis University, Bareilly participated/attended in the
International Seminar on "Advanced Computing Technologies (ACT2018)" during
April 20th-21st, 2018 and presented a paper, entitled Handwritten
Character Recognition - A Technical Survey

[Signature]
Prof. Jagdish Rai
Vice-Chancellor

[Signature]
Dr. Anand K. Sharma
Vice-Chancellor

INVERTIS UNIVERSITY - NH-24, Near Jangpura Nagar, Bareilly-241223 • Ph: 0521-2500023 • Fax: 91-521-2500023

Bareilly

Inverdis University
Bareilly



K. P. B. Hinduja
College of Commerce

Estid. : 1974

CONFERENCE CERTIFICATE



ASIAN SOCIAL SCIENCES AND
HUMANITIES ASSOCIATION
Research & Development Wing.

AVALOKAN - 2018 CONVERGING GREAT MINDS

THIS IS TO CERTIFY THAT THE PAPER TITLED
Inclination of Multimedia Over Wireless Networks

AUTHORED/CO-AUTHORED BY PROF/DR/MR/MRS/MS

Archana Sarana

WAS PRESENTED IN ABSENTIA AT THE 2nd INTERNATIONAL CONFERENCE ON
"Global Transformations in Business, Culture and Linguistics"

Organized by Asian Social Sciences And Humanities Association
in Collaboration with K. P. B. Hinduja College of Commerce - Mumbai

On 30th April 2018 at Dubai

[Signature]

[Signature]

[Signature]

[Signature]

Dr. Mohammad Tariq, Chairman
Paradigm Pioneers Group-Dubai 1141

Dr. Ramesh Patel President Asha
Parikh Fine Arts & Arts College

Dr. Ms. Minu Madhani, Principal
K.P.B. Hinduja College of Comm.

Mr. Shashi Shekhar Iyer
Conference Secretary

[Signature]
Bharati
University
Mumbai

गुण अभिवृद्धि कार्यक्रम केंद्र
QUALITY IMPROVEMENT PROGRAMME CENTRE



भारतीय प्रौद्योगिकी संस्थान रुड़की
INDIAN INSTITUTE OF TECHNOLOGY ROORKEE
ROORKEE (UTTARAKHAND)

QIP/2017-18/4/124

This is to certify that Dheeraj Sagar participated in
AICTE sponsored QIP short term course on "Quality Management: Issues,
Tools and Techniques"

held from 29.05.2017 to 09.06.2017 (Two Week)

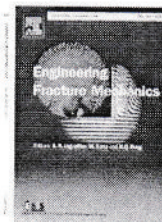
organized by Department of Mechanical and Industrial Engineering

P. Kumar
(Dr. Pradeep Kumar) (Dr. Akshay Dvivedi)
Course Coordinator(s)

B. K. Gandhi
(Dr. Bhupendra K. Gandhi)
Professor & Coordinator
Quality Improvement Programme Centre



In cooperation with
EUROPEAN STRUCTURAL INTEGRITY SOCIETY



ENGINEERING FRACTURE MECHANICS

*Certificate of
Outstanding Contribution in Reviewing*

awarded November, 2017 to

DHEERAJ SAGAR

In recognition of the contributions made to the quality of the journal

The Editors of **ENGINEERING FRACTURE MECHANICS**
Elsevier, Amsterdam, The Netherlands

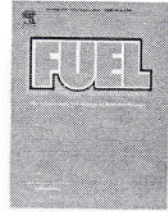


मिहिर
प्रिया

समिती



FUEL



Certificate of Reviewing

awarded November, 2017 to

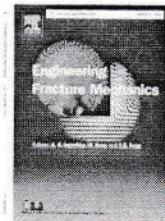
DHEERAJ SAGAR

In recognition of the review made for the journal

The Editors of **FUEL**
Elsevier, Amsterdam, The Netherlands



In cooperation with
EUROPEAN STRUCTURAL INTEGRITY SOCIETY



ENGINEERING FRACTURE MECHANICS

Certificate of Reviewing

awarded October, 2017 to

DHEERAJ SAGAR

In recognition of the review made for the journal

The Editors of **ENGINEERING FRACTURE MECHANICS**
Elsevier, Amsterdam, The Netherlands



Registrar
Inverdis University
Bareilly

Santosh



Conference Info



Reference No.: MCCIA253

2nd International Conference on Engineering Technology, Science and Management Innovation (ICETSMI-2018)

Venue : Maharashtra Chamber of Commerce Industries & Agriculture,
Senapati Bapat Road, Pune, Maharashtra, India on 2nd September 2018

Certificate of Presentation

This is to certify that

Chandan Kumar

CSE Dept., Invertis University, Bareilly, U.P., India

Presented a paper Titled as

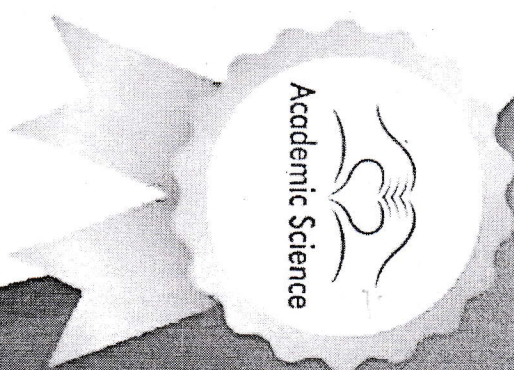
"Optimized Multi Attribute Algorithm for Heterogeneous Networks"

**in the conference organized by Conference Info in association with Academic Science
at Maharashtra Chamber of Commerce Industries & Agriculture, Senapati Bapat Road,
Pune, Maharashtra, India on 2nd September 2018**



Dr. K. Agarwal
Convener, ConferenceInfo

Registrar
Invertis University,
Bareilly



International Seminar
Advanced Computing Technologies

ACT2018

INVERTIS
UNIVERSITY BAREILLY

Organised by : DEPARTMENT OF COMPUTER APPLICATIONS

20th-21st April, 2018


Certificate

This is to certify that Prof./Dr./Mr./Ms. Charadan Kumar

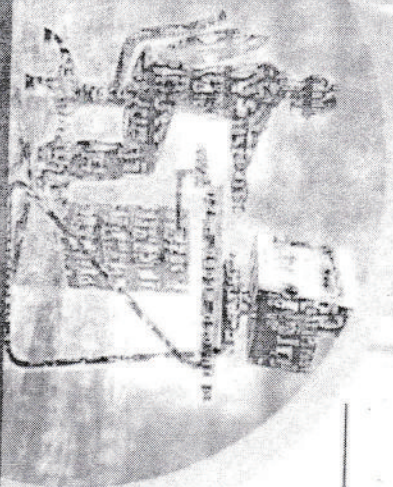
of organisation Invertis University, Bareilly participated/attended in the
International Seminar on "Advanced Computing Technologies (ACT2018)" during
April 20th-21st, 2018 and presented a paper, entitled Handoff Manager
in Heterogeneous Network.



Prof. Jagdish Rai
Vice-Chancellor


Registrar
Invertis University
Bareilly

Dr Anand Kr. Shukla
Convener





Conference Info

Reference No.: MCCIA253



Academic Science



Certificate of Publication

This is to certify that

Chandan Kumar

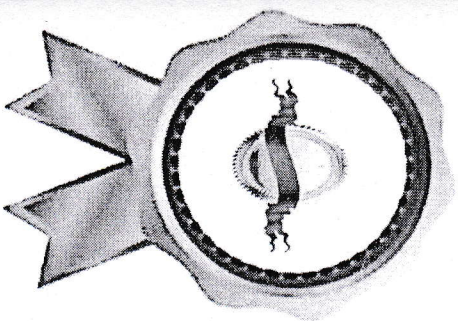
CSE Dept., Invertis University, Bareilly, U.P., India

Published a paper in

IJRECE Vol. 6, Issue 3, (July - September 2018) ISSN: 2393-9028 (Print) | ISSN: 2348-2281 (Online)

Titled as

"Optimized Multi Attribute Algorithm for Heterogeneous Networks"



Barter

Registrar
Invertis University,
Bareilly



UGC Approved Journal

Dr K. Agarwal
Editor, Academic Science



ijecs

open access

International Journal Of Engineering And Computer Science

Online Issn : 2319-7242

www.ijecs.in

Certificate Of Publication

This to Certify That the Research Paper entitled
Review of protocols used in Multicasting Communication

Authored /co - Authored

By

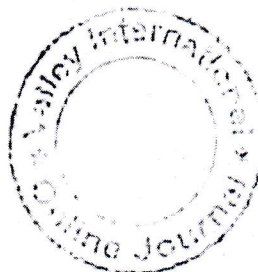
Ashish

Has been published in Volume 6 Issue 1 January 2017

In

International Journal Of Engineering And Computer Science

The Mentioned Research paper is measured up to the required standard



Registration Number:3983/MDS/CE/2012

Santosh
Registrar
Invertis University
Bareilly

Santosh
Editor-in-Chief
IJECs Publications
Bareilly

S.No..TMU/Id..-066....

SMART 2018

(Conference ID: 44078)



7th International Conference on

System Modeling & Advancement in Research Trends

November 23-24, 2018

Organized by-

College of Computing Sciences & Information Technology

Teerthanker Mahaveer University, Moradabad, Uttar Pradesh, India.

Certificate

This is to certify that SUHAIL JAVED QURATSHI has presented

a Research Paper on keyshooke Dynamics Biometrics, A tool for User

Authentication - Review.

Dr. Danish Ather
Technical Program Chair

Dr. Ashendra Kr. Saxena
Conference Chair

Prof.(Dr.) Rakesh Kr. Dwivedi
Conference General Chair



Santis
Registrar
Invertis University
Bareilly

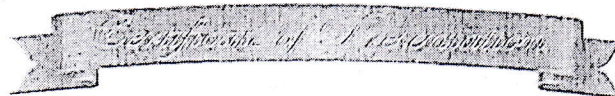


Reference No.: CH0540



4th International Conference on Science, Technology & Management

Venue : Institution Of Engineers, India , Sector 19A, Chandigarh, India on 9th December 2018



This is to certify that

Suhail Javed Ouraichi
Invertis University, Bareilly, U.P., India

Presented a paper Titled as

"Keyboard Dynamics, A Novel Approach for Continuous User Authentication"

in the conference organized by Conference Info in association with Academic Science at Institution Of
Engineers, India , Sector 19A, Chandigarh, India on 9th December 2018

ICSTM-2018



Dr. K. Agarwal
Convener, Conference Info

Santosh

Registrar
Invertis University
Bareilly



National Conference on

Internet of Things

IoT 2018


Recent Trends and Issues

28th & 29th September, 2018

INVERTIS
UNIVERSITY BAREILLY

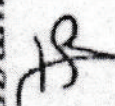
Certificate

This is to certify that Mr./Ms./Dr./Prof. Aswini Tripathi
had attended/presented paper on "Internet of Things Based Smart City: A
in **IoT 2018**, National Conference on "Internet of Things- Recent Trends and Issues"
held on 28th & 29th September, 2018.


Prof. R.K. Shukla
Dean Engineering

Organized by:
Department of Computer Science & Engineering
INVERTIS UNIVERSITY, BAREILLY
Ph.: 0581-2460443, 3004100
E-mail: IoT2018@invertis.org
Website: invertisuniversity.ac.in

Registrar
Invertis University
Bareilly


Mr. Anil Kumar Pandey
Convener



2nd International Conference

on

INVERTIS
UNIVERSITY BAREILLY

RECENT ADVANCES IN SCIENCE

(ICRAS-2018)

9 & 10 March, 2018

Certificate of Participation

This is to certify that Mr./Ms./Dr./Prof. Manish Kumar Sharma had participated in "ICRAS-2018", International Conference on "Recent Advances in Science" held on 9 & 10 March, 2018.

Dr. P. P. Singh
Dean, Faculty of Science

Organized by
Department of
Applied Science & Humanities
INVERTIS UNIVERSITY, BAREILLY

Maple Village, M-14, Bareilly-261001 (UP), India. Email: info@invertis.edu.in | Website: www.invertisuniversity.ac.in

Dr. Kamlesh Kr. Dubey
Registrar
Invertis University
Bareilly



INDIAN ASSOCIATION OF PHYSICS TEACHERS

Regional Council U.P. (RC - 4)

organizes

Workshop

on

Revitalization of Science Education in Uttar Pradesh

Certificate

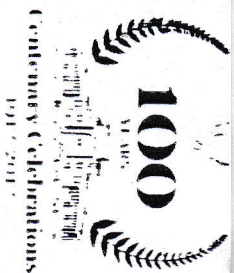
This certificate is awarded to Dr. K.K. Sharma of Invertis University, Bareilly for participating in a day workshop on *Revitalization of Science Education in Uttar Pradesh* on 30th July, 2017 at Montfort Inter College, Lucknow.

Dr. Pragya Agarwal
President
I.A.P.T. (RC - 4)

Dr. R. K. Mishra
Secretary
I.A.P.T. (RC - 4)



Registrar
Invertis University
Bareilly



CONIAPS XX

20th International Conference

of

International Academy of Physical Sciences

on

RECENT ADVANCES IN PHYSICAL SCIENCES AND FUTURE CHALLENGES

July 14-16, 2017

Organized by

Faculty of Science (Departments of Mathematics, Physics and Chemistry), Osmania University, Hyderabad - 500007.

Certificate

This is to certify that Prof./Dr./Mr./Mrs. K. K. Dubey, Investis University, Bareilly,


Participated in the 20th International Conference of International Academy of Physical Science


on *Recent Advances in Physical Sciences and Future Challenges* at Osma

University held during July 14-16, 2017. He/She chaired a session/delivered an Inv


ecture/given a Poster/Oral/Young Scientist paper presentation. Title of the Inv

ecture / Paper: Some Structural Remarks on Finsler spaces with Different (AB)-comp
Finsler metrics


Prof. B. Shanker
Chairman, CONIAPS XX


Prof. Deva Das Manwal
Convener, CONIAPS XX

Registrar
Invertis University
Bareilly


Prof. P. N. P. Pa
General Secretan



पंजीकरण सं./ Regn. No.

भारत सरकार

वैज्ञानिक तथा तकनीकी शब्दावली आयोग

मानव संसाधन विकास मंत्रालय (उच्चतर शिक्षा विभाग)

पश्चिमी खंड-7, रामकृष्णपुरम, नई दिल्ली-110066

GOVERNMENT OF INDIA

COMMISSION FOR SCIENTIFIC AND TECHNICAL TERMINOLOGY

Ministry of Human Resource Development (Department of Higher Education)

West Block 7, Ramakrishnapuram, New Delhi - 110066

प्रमाण-पत्र / CERTIFICATE

प्रमाणित किया जाता है कि श्री/सुश्री/डॉ. ने वैज्ञानिक तथा तकनीकी शब्दावली

आयोग द्वारा में दिनांक से

..... तक आयोजित विषयक

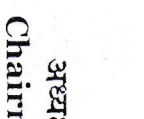
संशोध्य/कार्यशाला/प्रशिक्षण कार्यक्रम में विशेषज्ञ/प्रतिभागी के रूप में भाग लिया।

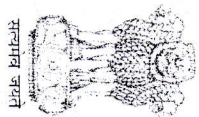
Certified that Mr./Ms./Dr. Kamlesh Kumar Tuliya has participated from 25th July '2014 to 27th July '2014 as an Expert / Participant in the Seminar / Workshop / Training Programme on Importance of Mathematical Geometry & its applications by Commission for Scientific and Technical Terminology at SRMS College of Engineering & Technology, Bawana.

दिनांक: 27th July '2014


कार्यक्रम प्रभारी

Programme In-charge


अध्यक्ष
Registrar
Inventis University
Chairman



International Conference
On
"Drug Delivery System of
Phytoconstituents - Past, Present & Future"

INVERTIS
UNIVERSITY BAREILLY

Pharmamed 2017

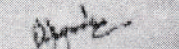
Certificate of Presentation

This is to certify that Mr./Ms./Dr./Prof. **Riya Mishra** And presented a
paper in Oral/Poster Session in **Pharmamed-2017**, International Conference on "Drug Delivery System of
Phytoconstituents - Past, Present & Future" held on 17th & 18th January, 2017.

The/Her topic of presentation was **Recent pharmacognosy profile of Hecogenin
as phytoconstituents**


Prof. Jagdish Rai

Organized by
Invertis Institute of Pharmacy
INVERTIS UNIVERSITY, BAREILLY


Mr. Ash Kumar Yadav
Convener

Santosh

Registrar
Invertis University
Bareilly



Faculty Development Center
Banasthali Vidyapeeth (Deemed University)
FACULTY NATION: MODERN MANAVYA NATION!
MISSION ON TEACHING AND TEACHING

Faculty Development Program in Neuroscience

August 21-26, 2017

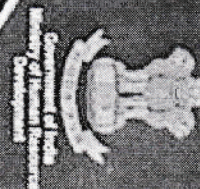
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This is to certify that Ms. Neetika Tripathi

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Head
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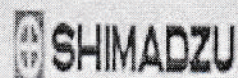
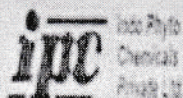
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Original Article

EVALUATION OF ETHANOLIC ROOT EXTRACT OF PARTHENIUM HYSTEROPHORUS LINN FOR ANTIOXIDANT AND ANTI-INFLAMMATORY ACTIVITY

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ABSTRACT

Objective: The work is aimed to draw out the health beneficial properties of a weed (*Parthenium hysterophorus* Linn). The present work is organized to evaluate the antioxidant and anti-inflammatory activity of the ethanolic root extract of *Parthenium hysterophorus* Linn.

Methods: In the present work the ethanolic extract was determined by using Soxhlet apparatus. The antioxidant scavenging activity of this extract was determined by applying three different assay methods: (1) DPPH (1, 1-diphenyl-2-picrylhydrazyl) free radical method, (2) Nitric oxide scavenging assay and (3) Reducing power method. The anti-inflammatory activity was determined by *in vivo* method i.e. Carrageenan induced rat paw edema.

Results: DPPH radical scavenging activities of the standard antioxidant and extracts were found to be increased in dose dependent manner. The percentage inhibition increases from 4.19% to 97.09% within the concentration range of 10 µg/ml to 160 µg/ml. *Parthenium hysterophorus* Linn effectively reduced the generation of nitric oxide radicals from sodium nitroprusside solution in a concentration dependent manner and percentage inhibition increases from 3.53% to 55.21% within the concentration range 10 µg/ml to 160 µg/ml. All the concentrations of extract significantly showed higher absorbance than the absorbance of control reaction (0.9705) in reducing power assay. A higher absorbance indicates high reducing power due to the formation of reduced intermediates. *Parthenium hysterophorus* Linn showed highly significant anti-inflammatory activity at a dose of 200 mg/kg and the lesser effect was observed at 100 mg/kg with the percentage change in paw volume at 0 min, 30 min, 60 min, 90 min and 120 min.

Conclusion: Thus, from above experimental observations, it can be stated that *Parthenium* is a natural antioxidant and bearing anti-inflammatory activity.

Keywords: *Parthenium*, Ethanolic extract, Antioxidant, Anti-inflammatory activity

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INTRODUCTION

Oxygen is an essential and basic component for all living organisms which helps in the process of oxidation and maintenance of biological system [1]. Production of energy by the reduction of dioxygen (O₂) leads to the formation of reactive oxygen species. Free radicals are chemically unstable molecule and damage to cells, resulting imbalance between the generation of reactive oxygen species (ROS) and the antioxidant system collectively known as oxidative stress [2]. In the past decades, free radicals have aroused interest among the scientists. Their broad range of effects in biological systems has drawn the attention of many experimental works. Oxidative damage plays a significant pathological role in human diseases like arthritis, atherosclerosis, cancer etc [3]. Almost all organisms are well protected against free radical damage. There are many antioxidant defence systems in the body such as superoxide dismutase, catalase, α-tocopherol, ascorbic acid, glutathione, polyphenolic compounds, carotenoids etc. played an important role to maintain its integrity [4]. An antioxidant is a substance when present in low concentrations relative to the oxidizable substrate, significantly reduces oxidation process [5]. They scavenge the free radicals and prevent the tissue from damage. They can highly prevent the damage caused by free radicals by neutralizing the free radicals before they attack the cell. Flavonoids, lignans, phenolic acids and phenolic diterpenes are an example of phenolic compounds with the character of quenching oxygen-derived free radicals [6].

Inflammation is a protecting attempt by means of the organisms to cast off the injurious stimuli and to initiate the healing manner. Although infection is resulting from a microorganism, inflammation is one of the response of an organism to the pathogen. However, for each pathogen, inflammation is a stereotyped response, and therefore it is considered as a mechanism of innate immunity, as compared to adaptive immunity [7]. Inflammation is a marker of the

majority of diseases and number of people affected with inflammation, about 11% of adult men seen in urology clinics and 3% of children in globally balanced. Chronic wounds counts 0.70% of population and the prevalence ranges from 0.18-0.32%. Globally the incidence of epiglottitis was 15 per 1,00,000 people [8].

Inflammation is a biochemical and cellular response that takes place in all vascularized tissue whose fitness and vitality or energy is threatened via either an internal or an external source. The important components of the inflammatory response can be observed within the blood, and mediators of inflammation function to increase the motion of plasma and infection fighting blood cells from the capillary bed into or across the injured tissue. The local inflammatory response is later observed via prominent systemic response called acute phase response (APR). This response is marked by the induction of fever, anorexia, increased synthesis of hormones such as adrenocorticotrophic hormone (ACTH), increased leukocytosis and changed production of proteins in the liver. Proteins whose level changes during inflammation are known as acute phase protein (APP) [9].

Macrophages play principle roles within the immune and inflammatory responses involved in host protection. A number of different inflammatory mediators, including tumor necrosis factor-α (TNF-α), interleukin-1β (IL-1β), interleukin-6 (IL-6) reactive oxygen species (ROS), prostaglandin E₂ (PGE₂), nitric oxide (NO) are secreted by activated macrophages [10].

MATERIALS AND METHODS

Plant material

Congress grass (*Parthenium hysterophorus*) roots were collected from Haldwani, Uttarakhand, India and identified in the IIM Jammu. The roots were cleaned and cut into small pieces and were subjected to dry at room temperature. The dried roots were grinded and powdered.

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**EVALUATION OF CELASTRUS PANICULATUS IN LEARNING AND
MEMORY OF RATS BY T- MAZE TEST**

Ranjana Bohra* and Dr. K. K. Maheshwary

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ABSTRACT

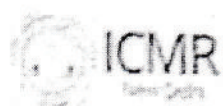
Present research work was performed to evaluate the effect of *Celastrus paniculatus* against scopolamine induced dementia in rats. Learning and memory enhancing potentials of the *Celastrus paniculatus* were compared with donepezil. Memory performance was studied in rats by using T-Maze apparatus. Rats of either sex were divided into six group each group contain six animals. On day 1st, 8th and 15th each animal was tested for learning and memory by using T-Maze. Scopolamine group show decline in memory performance while the donepezil group show significant decrease in time which leads to

effective learning and memory as compared to other groups. *Celastrus paniculatus* extract show increase in memory performance as compared to other groups. This shows the memory enhancing activity of aqueous extract of *Celastrus paniculatus*.

KEYWORD: *Celastrus paniculatus*, T-Maze, Donepezil, Scopolamine.

INTRODUCTION

Learning is an indispensable step in memory retention however, it is a process affected by individual basal states, such as emotion, attention, motivation and perception. In fact, emotional states, such as fear and aversion, can modulate, by enhancing or impairing, memory formation.^[1] Because the available animal models of learning and memory have a limited ability to detect the effects of drugs on learning and memory. Therefore, the proposed T-Maze task is an attempt to assess the effects of drugs on learning and memory concomitantly in rats. The T-Maze is an apparatus derived from the elevated plus-maze which is widely used to evaluate an ethological view of rodents.^[2] The T-Maze consists of two side (goal) arms can contain discriminative stimuli (cues) such as patterns or objects that the animal must respond to, generally to obtained a reward. With dimensions stem (50 x 10



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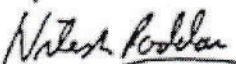
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attending the Conference/ Poster Presentation/

Oral Presentation/ Young Scientist talk entitled

Synthesis, Structure Elucidation and Characterization of
Novel Substituted 2,6-dialkylpiperidine-4-one derivatives.


Prof. Jagdish Rai
Vice-Chancellor


Dr. Nitesh Kumar Poddar
Convener

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