

Veerashaiva College, Ballari
Department Of Zoology


Seminars / Symposium/Workshops/ Conferences attended and Presented papers by the staff from 2016-17 to 2020-21

Sl. No	Name of the staff	Theme	National / International/ State	Date	Title of the Paper, if Presented	Organisation
1	Mallanagoud.G	"Impact of Science & Technology on Society & Economy"	KSTA National Conference	08.03.2017 To 09.03.2017	LIFPP05: Physico-Chemical Characteristics of water tank of Kamalapur Village of Hosapete Taluk, Ballari District, Karnataka	Karnataka Science & Technology Academy & V.S.K.U, Ballari
2	Mallanagoud.G	Reforms in Higher Education: Challenges and Opportunities	National seminar	18/12/2017 To 20/12/2017		All India Federation of University and college TEACHERS organizations (AIFUCTO) held at Shirdi, Maharashtra
3	Mallanagoud.G	"Conservation of Biodiversity using integrated cropping system"	State Level	28.03.2018		UGC A.D.B First Grade College Harappanahalli
4	Mallanagoud.G	"Recent advance in traditional uses of medicinal plants"	National Conference	30.03.2018 to 31.03.2018		UGC LaxmiVenkatesh Desai College Raichur
5	Mallanagoud.G	"Towards scientific equitable education for	National Conference	23.11.2018 to 25.11.2018		AIFUCTO Kanyakumari

		all”				
6	Mallanagoud.G	“Ecological Imbalances- Causes & Solutions” (EICS-2019)	National conference	21.03.2019 to 22.03.2019		Veerashaiva College, Ballari
7	Mallanagoud.G	“National conference on Creative Teaching, Assessment & Research (NCCTAR)-2019”	National conference	25.10.2019 to 26.10.2019	AIJR-ISSN 458 : Impact of Environmental changes due to human activities & Alleviate for better life	Vijayanagara Sri Krishnadevaraya University college Teacher’s Association (R) (VSKUCTA) in Association with VSK university, Ballari
8	Mallanagoud.G	“Recent Advances in Chemical Biology & Material Engineering” (RACBME) National conference	National conference	30.01.2020 to 31.01.2020	1.Biotechnological production of ethanol by <i>Saccharomyces cerevisiae</i> , using different substrates 2.Comparison of primary and secondary metabolites in medicinal plants and their importance in drug discovery	Veerashaiva college, Ballari
9	Mallanagoud.G	“Intellectual property rights”	National Webinar	17.06.2020	-	St. Annes Arts and science college, Chennai
10	Mallanagoud.G	“Sustainable ornamental fisheries: way forward”	National Webinar	15.10.2020 to 17.10.2020	-	School of Industrial fisheries, Cochin university of science and Technology (CUSAT), Kochi, Kerala
11	Mallanagoud.G	Covid-19 students	National Webinar	19-07-2021	-	Government first grade

		learning problems and psychological guidance				college vijayapur
12	Mallanagoud.G	The impact covid-19 pandemic crisis on higher education institutions in Karnataka and its challenges	National Webinar	20-06-2021	-	IQAC, HKE society's Shri prabhu arts, science J.M bohra commerce degree college,shorapur ,district; Yadgiri,karnataka-India
13	Mallanagoud.G	Intellectual property rights and plagiarism	National level workshop	22-07-2021	-	Government first grade college kushalnagar
14	Mallanagoud.G	Biodiversity and its conservation	National Webinar	27-07-2021	-	Sub –Regional science centre krawar
15	Mallanagoud.G	Responsible citizens in restoring ecosystem in the drylands	National Webinar	31-07-2021	-	Department of botany in association MGVS Arts, commerce and science college Muddebihal
16	Mallanagoud.G	Writing a quality research paper; issues and innovations	National Webinar	13-08-2021	-	G.S. patil arts and commerce college kundgol
17	Mallanagoud.G	NAAC Related quality enhancement initiatives	National Webinar	15-08-2021	-	IQAC Sri dhavala college moodbidri D.K. district
18	Mallanagoud.G	Entrepreneurship-problem searching and the way forward	National Webinar	16-08-2021	-	Institution innovation council-vidyavardhaka college of engineering,Belagavi
19	Mallanagoud.G	Business trends in new normal-challenges and	National conference	19-08-2021	-	International quality assurance cell

		opportunities				department of commerce and management and humanities
20	Mallanagoud.G	GST-Indian experience	National Webinar	06-08-2021	-	Department of commerce, Government first grade and college centre for P.G. studies, Thenkanidiyur, udupi
21	Mallanagoud.G	Initiating zoological research at U.G. level; The paradigm shift	State level webinar	07-09-2021	-	Gangavathi bhagyamma rural degree college and P.G. centre huvinahadagali
22	Mallanagoud.G	Impact of COVID-19 Pandemic crises on higher educations institutions in karnataka and its challenges	National Webinar	13-09-2021	-	Department of zoology, Arts, commerce and science college, Satral
23	Mallanagoud.G	World ozone day	International online seminar	16-09-2021	-	IQAC St.Xavier's college, ranchi, Jharkhand


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 Department of Zoology,
 Veerashaiva College, Ballari.


 Principal,
 Veerashaiva College,
 BALLARI-583 104.

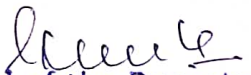
Veerashaiva College, Ballari
Department Of Zoology


Seminars / Symposium/Workshops/ Conferences attended and Presented papers by the staff from 2016-17 to 2020-21

Sl. No	Name of the staff	Theme	National/ International/ State	Date	Title of the Paper, if Presented	Organisation
1	Dr. G.Manohara	"Impact of science and technology on society and economy"	KSTA National Conference	08/03/2017 To 09/03/2017	-	Karnataka Science & Technology Academy & V.S.K.U, Ballari
2	Dr. G.Manohara	"Emerging Trends And Approches In Zoological Science"	National conference	31/01/2018	-	Dept. Of Studies And Reserch In Zoology Tumkur University- Tumkuru
3	Dr. G.Manohara	"Role of Science and Technology in Rural Development"	National conference	23/02/2018 to 24/02/2018	Physico-Chemical Parameters of Daroji Lake (Tq: Sandur) of Ballari District, Karnataka	UGC & KSTA (Karnataka Science and Technology Academy) and S.G College, Koppal
4	Dr. G.Manohara	"Current Microbial Challenges In The Environment"	National conference	09/03/2018 to 10/03/2018	-	Kuvempu university Dept of P.G Studies and Reserch in Microbiology, Shankaraghatta
5	Dr. G.Manohara	"Biodiversity conservation-recent Developments and future strategies"	National Conference	16/11/2018 to 17/11/2018	-	Kuvempu university, Shankaraghatta
6	Dr. G.Manohara	"Enhancement Of Quality In Higher	National conference	15/02/2019 to		Veerashaiva college Ballari

		Education The Role Of IQAC"		16/02/2019	-	
7	Dr. G.Manohara	"Ecological Imbalances- causes & solutions"	National conference	21/03/2019 to 22/03/2019	-	Veerashaiva college Ballari
8	Dr. G.Manohara	"Impact of Covid-19 on physical Education & Sports business management"	International Webinar	13/05/2020 to 14/05/2020	-	LNPIE, Gwalior, India
9	Dr. G.Manohara	"Empowering youth towards sustainable development of environment- The role of Educational institutions	International Webinar	04/07/2020	-	KLE society's science and commerce college, Kalamboli, Mumbai
10	Dr. G.Manohara	'Natural remedy from natural resources"	National webinar	29/07/2020	-	Veerashaiva college Ballari
11	Dr. G.Manohara	"Recent development in plant science"	National webinar	06/08/2020	-	JSS college for women, Mysore
12	Dr. G.Manohara	'Applications of ICT during covid-19 for education & industry"	National webinar	08/08/2020	-	Veerashaiva college Ballari
13	Dr. G.Manohara	"Execution of artistic procedure for preparation of SSR as per new dimensions of NAAC"	National webinar	19/01/2021	-	A V Patil Arts , science & commerce college, Aland
14	Dr. G.Manohara	" Recent trends in plant sciences"	National webinar	20/01/2021	-	S K P Govt. Degree college, Guntakal
15	Dr. G.Manohara	'Effective skills for research paper and research proposal"	National webinar	12/01/2021	-	ICS college of arts , commerce and science, Khed district, Ratnagiri
16	Dr. G.Manohara	" Recent development in applied zoology"	National webinar	10/11/2021	-	National college, Bengaluru
17	Dr. G.Manohara	"Current trends in impact of toxicants	National webinar	18/06/2021	-	National college,

		on biodiversity and human health"			-	Bengaluru
18	Dr. G.Manohara	"Marine habitat as a treasure of faunal biodiversity its population and management"	National webinar	24/07/2021	-	Govt. First grade college, Hubli
19	Dr. G.Manohara	"International tiger day	National webinar	29/07/2021	-	St. Francis De sales college, Nagpur
20	Dr. G.Manohara	"Responsible citizens in restoring ecosystem in the dry lands"	National webinar	31/07/2021	-	M G V C arts, commerce and science college, Muddebihal


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 Veerashaiva College, Ballari.


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Dr/Mr/Ms G. Mallanagoud

of Zoology Dept., Veerashaiva College, Ballari has participated as delegate in the

KSTA National Conference on

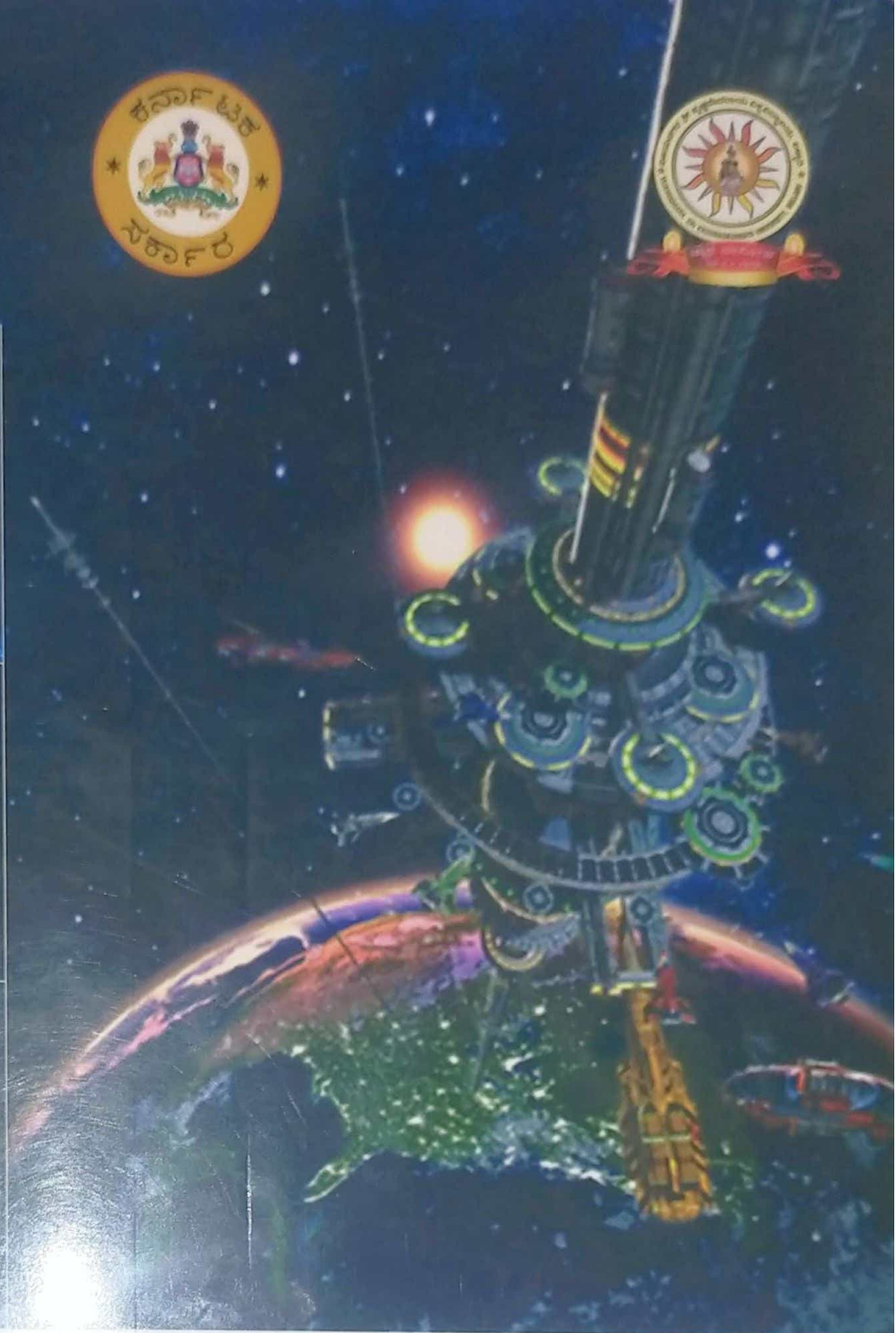
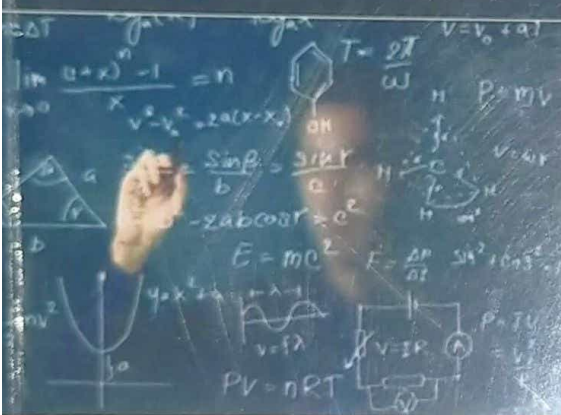
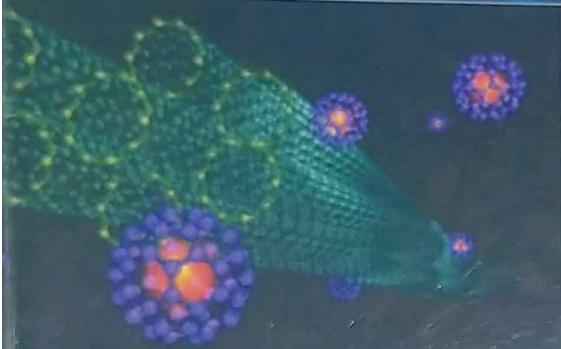
"IMPACT OF SCIENCE AND TECHNOLOGY ON SOCIETY AND ECONOMY"

jointly organized by Karnataka Science and Technology Academy (KSTA), DST, GoK and Vijayanagara
Sri Krishnadevaraya University, Ballari organised during 8-9, March 2017.

Dr K S Lokesh
Organizing Secretary, VSK University

Prof T M Bhaskar
Registrar, VSK University

Dr H Honne Gowda
CEO & Member Secretary, KSTA



**Karnataka Science and Technology Academy
&**

Vijayanagara Sri Krishnadevaraya University, Ballari.

Jointly organizing National Conference on

"Impact of Science and Technology on Society and Economy"

**On
8th to 10th March 2017**

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Argyrea elliptica (Roth) Choisy, *Calotropis procera* R. Br. *Euphorbia tirucalli* L. and *Thevetia nerifolia* Juss. ex Steud. are frequently used laticiferous medicinal plants in the study area.

LIFOP01

Industrially important enzymes of Extremophiles isolated from ancient monuments of Hyderabad-Karnataka region

K. Mohan Reddy¹, Seelam Siva Deepthi², A. Parameshwar¹ and M. B. Sulochana^{1*}

¹Department of Biotechnology, Gulbarga University, Kalaburagi-585106

²Department of Microbiology, Gulbarga University, Kalaburagi-585106

*sulochanamb2011@gmail.com, kmrphdgug@gmail.com

ABSTRACT

Extremozymes are the contemporary bioactive molecules having outstanding industrial applications in today's emerging biotech hub. Utmost massive extreme habitats were screened for the isolation of potent extremophiles, however reports from the monuments are in number. The source of isolation from monuments are mortar samples, which are rich in calcium carbonate and loamy soil. 96 isolates were isolated from six forts of Hyderabad-Karnataka (HK) region, out of which 50 were screened for three persuasive enzymes 1) Cellulases 2) Inulinases and 3) Pectinases. Amongst, 12 isolates resulted high yields in rapid plate assay for all three enzymes, later these isolates were characterized by-16S rRNA sequencing. Two *Streptomyces* sp. were showing 97% sequence similarity and separate clads appeared in the dendrogram built by Geneious soft 10.0.6. Depicts as novel species (Still polyphasic approaches are under progress). Out of three enzymes, Inulinase plate has shown highest zone of hydrolysis (80mm) produced by the isolate KF-5. Further, submerged fermentation was carried out for the production of Thermo-alkaliphilic Inulinase at pH-9.5, temperature 60°C and agitation at 120rpm, which has resulted 11 IU/ml of the enzyme, highest production ever reported till date. Additionally, Solid State Fermentation was performed using insulin rich natural substrates such as Agave leaves, Banana leaves, Garlic peel, Garlic bulb, Onion peel and Onion bulb. The rate of substrate utilization was studied by reducing sugar estimation and confirmed by product TLC for both submerged and Solid State Fermentation studies.

LIFOP02

Physico-Chemical Characteristics of water tank of Kamalapur village of Hosapete Taluk, Ballari District, Karnataka

G. Mallana Goud and Vedavyasa Sagar

Department of Zoology, Veerashaiva First Grade College, Ballari-583104 (Karnataka)

ABSTRACT

Water is most essential need for all the living organisms. In view of vital importance of water for human and all life, the planning and management of water has become a matter of utmost urgency. In this scenario, present work has been undertaken to assess the physico-chemical parameters of the water and to suggest the measures to be undertaken to improve the status of the water tank situated in Kamalapur. Kamalapur is a small village situated 12 kms away from Hosapete taluk in Ballari district. The color of the water body is slight reddish. The area of the tank is 26 acres and the depth is about 12 feet. It is located at 15°30' N latitude and 76°47' E longitudes. Rain water, sewage and seepage from adjacent hilly regions are the main source of water to this tank. The water is used for agricultural practices and domestic activities. The field work spread over a period of one year. Water samples were collected at monthly intervals during morning hours and analyzed for P^{II}, DO, free O₂, BOD, Ca²⁺, SO₄²⁻, PO₄³⁻, NO₃⁻, Na⁺, K⁺, EC, turbidity and other parameters by following standard procedures. Temperature and P^{II} were recorded at the spot of collection and remaining parameters were L, Magnesium at 2.8 mg/L, Sodium 1.86 mg/L, Sulphate 21.5 mg/L, Total hardness, 40.5 mg/L, and Chloride 15.5 mg/L. The Nitrate content recorded was 0.01 mg/L. The free CO₂ varied between 4.6 and 32.2 mg/L. The dissolved oxygen content 16.5 mg/L. Recorded BOD value was 1.5mg/L. Total dissolved solids (TDS) ranged between 109 and 486mg/L in different seasons. The iron concentration was fluctuated from 0.01mg/L to 3.0mg/L. It is concluded from the present investigation that the tank situated in Kamalapur village of Hosapete taluk, Ballari district, Karnataka is not suitable for aquaculture. The tank receives domestic wastes, and agricultural run-off from the adjoining areas. Presently demand for water is increasing due to urbanization, population explosion, and agricultural activities. Therefore, there is an urgent need for better management of this water body to restore, improve and maintain the quality of the tank.

LIFOP-03

Dynamics of Cyanophyceae in certain fresh water lakes of Tumakuru District, Karnataka, India

V.N.Murulidhara and V.N.Yogananda Murthy

Dept. of Botany, Government First Grade College of Arts, Science and Commerce, Sira-572137, Karnataka, India.

Dept. of Biotechnology, Azyne Biosciences Pvt. Ltd, Jayanagar, Bengaluru-560069, Karnataka, India.

Corresponding Author: dryoganand16@gmail.com

ABSTRACT

The restoration, conservation and management of fresh water lakes require proper understanding of a healthy ecosystem. Assessment and monitoring provides the base line data on the condition of fresh water bodies. Cyanophyceae (Cyanobacteria or blue-green algae) are a group of photosynthetic microorganisms that are more closely related to the bacteria than to higher (eukaryotic) algae. This primitive cellular organisms reflects the early evolution of blue-green algae and

ALL INDIA FEDERATION OF UNIVERSITY &
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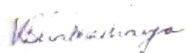
XXIX STATUTORY CONFERENCE & NATIONAL SEMINAR


"Reforms in Higher Education : Challenges & Opportunities"

18th - 20th December 2017 in Shirdi (Maharashtra)

Certificate

This Certificate is awarded to Prof. / Dr. / Mr. / Ms. MALLANAGAUD. G. Asst. Prof.
from VEERASHAIVA COLLEGE, BALLARI, KARNATAKA
for Participation at the **XXIX Statutory Conference and National Seminar** on **"Reforms in Higher Education : Challenges & Opportunities"** organised by the Savitribai Phule Pune University and College Teachers Organisation (SPPUCTO) on 18th to 20th December 2017.


Dr. Kesab Bhattacharya
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Dr. Arun Kumar
Gen. Secretary, AIFUCTO


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Prof. S. K. Pawar
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Working Secretary



Veerashaiva Vidyavardhaka Sangha, Ballari
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HARAPANAHALLI - 583131

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UGC Sponsored State Level Seminar

on

CONSERVATION OF BIODIVERSITY USING INTEGRATED CROPPING SYSTEM



This is to certify that Dr./Smt./Sri.....Mallanagoud. G...... of Veera Shaiva College,
Ballari.....has participated as a Delegate/ Resource person / presented a paper
on.....

in the UGC sponsored one day State Level Seminar on **CONSERVATION OF BIO DIVERSITY USING INTEGRATED CROPPING SYSTEM** organised at our college on 28th March 2018.

Dr. S.M. Siddalinga Murthy
Organising secretary

Sri. Akki Shivkumar
Chairman

Dr. D. Thippeswamy
Principal



ज्ञान - विज्ञानं विमुक्तये

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**TWO DAY NATIONAL SEMINAR ON
"RECENT ADVANCES IN TRADITIONAL
USES OF MEDICINAL PLANTS"**

This is to certify that Dr./ Mr/ Mrs/ Miss G. Mallanagoud of
Asst. Prof., Dept. of Zoology, Veerashaiva college, Ballari has participated as a Delegate/
Resource Person / Presented a Paper in the UGC Sponsored Two Days National Seminar On
"RECENT ADVANCES IN TRADITIONAL USES OF MEDICINAL PLANTS" On 30th and 31st
March 2018, Organised by Department of Botany, Laxmi Venkatesh Desai College, Raichur.

Title of the Paper: _____


Dr. A.H. Rajasab
Chief Guest


Dr. Y. Sariswathi
Organising Secretary


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Principal

**ALL INDIA FEDERATION OF UNIVERSITY AND COLLEGE TEACHERS' ORGANISATIONS
(AIFUCTO)**

XXXI ACADEMIC CONFERENCE

Organised by
JAC (MUTA, TNGCTA & AUT) Tamilnadu
23rd to 25th November 2018
Kanyakumari

Certificate

This is to certify that G. Mallana Goud Asst. Prof of Zoology
of Veerashaiva College/University Ballari

has participated in the AIFUCTO XXXI Academic Conference on the
theme "Towards Scientific and Quality Education for all"
and the Seminar on "Education in India at Crossroads: A Critical Review"
held on 23rd, 24th & 25th November 2018 at Kanyakumari, Tamil Nadu.


Dr. Kesab Bhattacharya
PRESIDENT


Dr. Arun Kumar
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Dr. R. Dhamotharan
ORGANISING SECRETARY


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Two Days Self Financed National Conference on
"Ecological Imbalances- Causes & Solutions" (EICS-2019)
21st & 22nd March, 2019



ORGANIZED BY : DEPARTMENT OF ZOOLOGY

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This is to certify that Mr./Mrs./Dr./Prof. G. MALLANA GOUD DEPT OF ZOOLOGY
of VEERASHAIVA COLLEGE, BALLARI has participated as a Delegate /
presented a paper (Oral/Poster) entitled _____
_____ in Self Financed Two Days National Conference, held on 21st & 22nd March, 2019.


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Organizing Secretary


Dr. G. Rajashekhar
Principal


Sri. Gonal Rajashekhar Goud
Chairman



"NATIONAL CONFERENCE ON CREATIVE TEACHING, ASSESSMENT AND RESEARCH (NCCTAR)-2019"

Date: 25-26th of Oct-2019

Organised by

VIJAYANAGARA SRI KRISHNADEVARAYA UNIVERSITY COLLEGE TEACHER'S ASSOCIATION (R) (VSKUCTA)


Affiliated with FUCTAK & AIFUCTO

In Association with

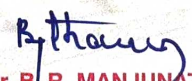
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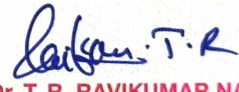
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This is to Certify that, Prof/Dr/Sri... *G. Mallanagouda*... Asst. Prof. of *Zoology*.....
of... *Veerashaiva College, Ballari*..... has actively
Participated in A Two days National conference from 25-26th of Oct-2019 at Veerashaiva College campus, Ballari.
He/She Chaired a session/Acted as Resource Person/Attended/Delegated/Presented a paper Entitled.
Impact of Environmental changes due to human activities & Alleviate for better life


Prof. SIDDU P. ALGUR
Vice Chancellor,
VSK University, Ballari


Prof. B.K. TULASIMALA
Registrar,
VSK University, Ballari


Dr. B.R. MANJUNATHA
Convener, NCCTAR-2019
General Secretary, VSKUCTA


Dr. T. R. RAVIKUMAR NAIK
Organizing Secretary,
NCCTAR-2019

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In Association with

Vijayanagara Sri Krishnadevaraya University, Ballari.

**"NATIONAL CONFERENCE ON CREATIVE TEACHING,
ASSESSMENT AND RESEARCH (NCCTAR)-2019"**

Date: 25-26th of Oct-2019



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Impact of Environmental changes due to human activities and Alleviate for better life

VEDAVYASA SAGAR,^a G. MALLANAGOUD,^b

^aDept. Of Zoology, Veerashaiva College, BALLARI-583104 (Karnataka); E-mail: vedavyassagar@gmail.com

ABSTRACT:

Progress in agriculture, industry and urbanization resulted in exploitation of every bit of natural resources. Nature should not be spoiled and that should be conserved for future generations. Human activities can change earth's climate. The industries release gallons of liquid waste and industrial effluents into the seas and rivers. Some of the effluents percolate down to reach the ground water and pollute it to the extent that it can't be used by human beings for drinking or cooking. Global warming is due to release of greenhouse gases like CO₂, CH₄ and nitrous oxide from industries and vehicles, causing the glaciers to melt at an alarming rate resulting in increase in the sea level and it poses a danger of drowning the low lying areas. The Chlorofluorocarbons (CFC's) that are man-made chemicals are released in the atmosphere, which breakdown ozone layer causing threat to humans, animals and plants. Rapid urbanization and industrialization has led man to cut forests which is a home to a large number of animals and trees, which in turn left us with polluted rivers, contaminated soil and depleted wild life. Mining activities also added to this problem causing land degradation, soil erosion, decline in vegetation and loss of biodiversity.

Changing climatic condition for above reasons can have the big effect on our life and our environment. The faster the climate changes, the greater will be the risk of damage to the environment. Now it is the time to conserve our planet. In conclusion, each one of us can make a valuable contribution towards preserving our environment. Provide proper environmental education to conserve nature. Environmental management is interdisciplinary approach to minimisation of impact of human activities on the overuse, misuse and abuse of environmental resources.

A REVIEW ON ENVIRONMENTAL EDUCATION (EE) FOR STUDENTS IN INDIA

ANURADHA. K¹, SAISANDEEP. Y² and TEJASHWINI. B³

Dept. of Biotechnology, Veerashaiva College, Ballari
Dept. of Botany, SGT College, Ballari.

ABSTRACT

Environmental education (EE) connects students to the surroundings (Nature) around them. Teaching students about nature, its significance, creating awareness of issues impacting the environment and as well as actions they can and should take to improve and sustain Natural Environment.

Environmental Education at School:

According to UNESCO, there are four reasons to provide children with environmental education:

- A. To make them more aware and conscious of environmental problems.
- B. To boost their interest in caring for and improving the environment.
- C. To enhance their ability to learn about their surroundings.
- D. To broaden their ecological knowledge in subjects such as energy, landscapes, air, water, natural resources and wildlife.

Environmental Education in Higher Education:

In 2017 the Honourable Supreme Court has directed the centre and UGC to make the subject of Environment Studies compulsory in the college curriculum as directed in a judgement delivered in 1991 as a response to the Public Interest Litigation (PIL) application filed by environmentalist M C Mehta seeking a direction to the Centre and others to include Environment Studies as one of the subjects in college and school curriculum. Before the direction from Supreme Court the UGC has asked all Universities to include EE as part of course in 2003, but only few universities have implemented it. But henceforth, all the Universities affiliated to UGC have made it mandatory to include EE as a subject.

Drawbacks of EE Effective Implementation

- In many Schools, Colleges and Universities the EE subject is thought for namesake.
- In Higher Education College EE is thought by other than Life science faculty hence students are not thought scientifically.

Measures to be taken for making EE effective and useful

- Including EE marks for grading on par with core subjects.
- Making it mandatory to teach, evaluate Environment subject by Post Graduates in EE or Life-science Post Graduates.
- Compulsory inclusion of Environment Project Work instead of theoretical internal assessment test.



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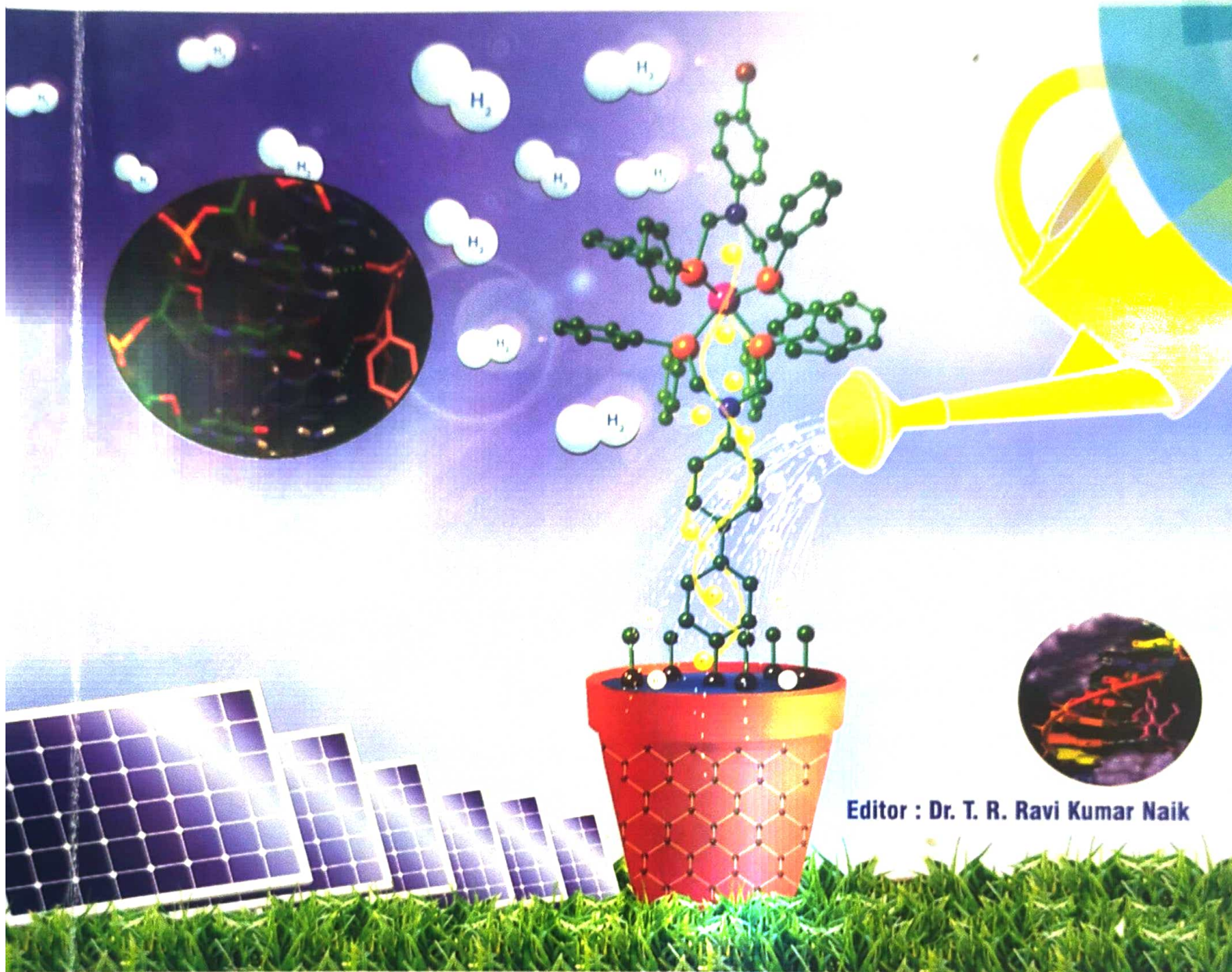
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BIOTECHNOLOGICAL PRODUCTION OF ETHANOL BY *Saccharomyces cerevisiae*, USING DIFFERENT SUBSTRATES

Vijaya S Gulalakayi¹ G.Mallanagoud² Vedavyasa Sagar²

¹Asst.Prof. of Zoology, Vijaya nagar college, Hosapete-583201, Karnataka, India

² Asst.Prof. of Zoology, Veerashaiva college, Ballari-583104 Karnataka, India

*Corresponding author: E-mail: mallanagoudg23@gmail.com

ABSTRACT: The present investigation was undertaken to determine the availability of carbohydrates in hydrolysates derived from different substrates *Acacia arabica*, *Delbergia sisso*, *Peltophorum pterocarpum* and *Perkia biglobosa* pods, in the production of ethanol. The enzymatic hydrolysis of the substrates has yielded the significant amount of reducing sugar from the substrates by comparing the effect of enzymes on hydrolysis. The *Acacia arabica* pods has showed the higher production of reducing sugar when treated with 4% α -amylase whereas *Peltophorum pterocarpum* has produced lowest yield of reducing sugar at 4% α -amylase enzyme. The optimum temperature required for the activity of α -amylase enzyme in the production of reducing sugars using different substrates were revealed that at 30^o C the *Acacia arabica* has yielded maximum sugar whereas the *Perkia biglobosa* has showed the minimum yield of reducing sugar. The optimum period of enzyme activity in the production of reducing sugars using different substrates was indicated that the *Acacia arabica* has showed the maximum yield of reducing sugar during the incubation period of 24 hours whereas minimum yield was observed in *Perkia biglobosa*. The optimum incubation period of *Saccharomyces cerevisiae* in the production of ethanol has showed that the seven days of incubation has yielded maximum amount of ethanol using the substrate *Acacia arabica*.

Key words: Ethanol, *Saccharomyces cerevisiae*, *Acacia arabica*, *Delbergia sisso*, *Peltophorum pterocarpum* and *Perkia biglobosa* pods.



COMPARISON OF PRIMARY AND SECONDARY METABOLITES IN MEDICINAL PLANTS AND THEIR IMPORTANCE IN DRUG DISCOVERY

K.Anuradha¹ G.Mallanagoud² Vedavyasa Sagar²

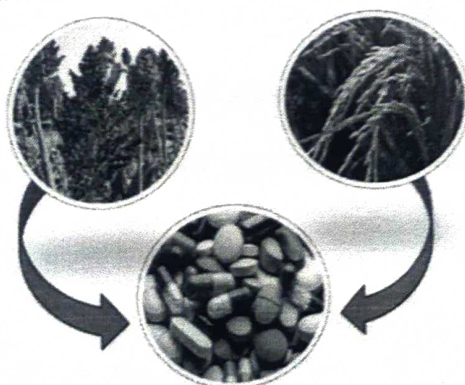
¹Lecturer in Biotechnology, Veerashaiva college, Ballari-583104 Karnataka, India

²Asst. Prof. of Zoology, Veerashaiva college, Ballari-583104 Karnataka, India

Corresponding Author: E-mail: anureddy.bly@gmail.com

ABSTRACT: Nature has been a source of medicinal agents for thousands of years and an impressive number of modern drugs have been isolated from natural sources, many of them based on their use in traditional medicine. Today it is estimated that more than two thirds of the world's population relies on plant-derived drugs. Recently, much attention has been paid to extracts and biologically active compounds isolated from plant species in order to analyse their pharmacological activities. In fact, the World Health Organisation (WHO) reported that around 80% of the world's population still relies on plants as a source for primary health care while traditional medicine is the only health source available for 60% of the global population. In the present investigation, we have collected medicinal plants like *Sorgham bicolor*, *Oriza sativa*, *Arachis hypogaea*, *Cicer arietinum*, *Helianthus annus*, *Eucalyptus globules*, *Tamarindus indica* from botanical garden of Gandhi Krishi Vignan Kendra, Bengaluru. The extraction of primary metabolites like ethanol, lactic acid, and certain amino acids. The extraction organic compounds (secondary metabolites) which are not directly involved in the normal growth, development, or reproduction of the organism. The isolated products of primary and secondary metabolites were used for various biological activity and drug molecules compare with synthetic drugs. The overall comparison, of ayurvedic and synthetic drugs, natural drugs were more effective and less side effects compare to the synthetic drugs.

Key words: *Sorgham bicolor*, *Oriza sativa*, *Arachis hypogaea*, *Cicer arietinum*, *Helianthus annus*, *Eucalyptus globules*, *Tamarindus indica*





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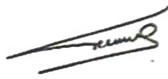
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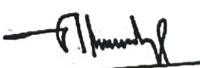
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ISHRAE



CERTIFICATE OF PARTICIPATION

This is to certify that **Mallanagoud. G** of **Veerashaiva college, Ballari** has successfully participated in the webinar on "Entrepreneurship - Problem Searching and the way forward" organised by Institution Innovation Council-Vidyavardhaka College of Engineering in association with ISHRAE Mysore chapter on August 16, 2021.

Dr. G B Krishnappa
President, IIC-VVCE

Dr. D K Dinesh Kumar
President, ISHRAE Mysore Chapter
Secretary, The Institute of Engineers,
Mysore Local Chapter

Made for free with Certify'em

Government of Karnataka

Department of Collegiate and Technical Education

Manjunatha Pal Memorial



GOVERNMENT FIRST GRADE COLLEGE OF PROFESSIONAL AND BUSINESS MANAGEMENT

Karkala, Udupi District, Karnataka State-574104

{ Accredited by NAAC with B++ grade (CGPA 2.83) }



**One Day National Conference on
BUSINESS TRENDS IN NEW NORMAL: CHALLENGES AND OPPORTUNITIES**

Organized by
INTERNAL QUALITY ASSURANCE CELL
DEPARTMENT OF COMMERCE & MANAGEMENT AND HUMANITIES

CERTIFICATE

This is to certify that
Mr. MALLANAGOUD. G

Assistant Professor of Zoology
Veerashaiva college, Ballari

*has participated as Delegate in the One Day National Conference held on 19th August 2021 on
"BUSINESS TRENDS IN NEW NORMAL: CHALLENGES AND OPPORTUNITIES"*

Co-Convenor

Convenor

Principal

IWNCII-CE000161

Made for free with Certify



GOVERNMENT OF KARNATAKA
COLLEGIATE EDUCATION DEPARTMENT
GOVERNMENT FIRST GRADE COLLEGE AND CENTRE FOR P.G. STUDIES
THENKANIDIYUR, UDUPI-576106
DEPARTMENT OF COMMERCE
IN ASSOCIATION WITH
IQAC
NATIONAL WEBINAR

CERTIFICATE OF PARTICIPATION

This is to Certify that Sri/Smt/Dr. Mallanagoud. G Asst. Prof. Of Zoology , Veerashaiva college , has participated in the National Level Webinar on the topic "GST - INDIAN EXPERIENCE" held on 06/08/2021 organized by the Department Of Commerce, Government First Grade College And Centre For P.G. Studies, Thenkanidiyur, Udupi. Their participation is highly appreciated.

Dr. Udaya Shetty .K
Assistant professor,
Department of commerce
Webinar Convener

Prof. T.G. BHAT
HOD Department of Commerce
Government First Grade College & Centre
for P.G. Studies

Dr. Gananatha Shetty Yekkar
Principal
Government First Grade College &
Centre for P.G. Studies



75



ಸ್ವಾತಂತ್ರ್ಯದ ಅಮೃತ ಮಹೋತ್ಸವ
#Azadi_Ka_Amrut_Mahotsav

Veerashaiva Vidyavardhaka Sangha, Ballari

GANGAVATHI BHAGYAMMA
RURAL DEGREE COLLEGE AND P.G. CENTER
HUVINAHADAGALI

(Re-accredited to NAAC with 'B'Grade)

IQAC STATE LEVEL WEBINAR SERIES | DEPARTMENT OF BOTANY AND ZOOLOGY

INITIATING ZOOLOGICAL RESEARCH AT U.G. LEVEL: THE PARADIGM SHIFT

Certificate

This is to certify that Mr/Ms/Prof./Dr. Mallanagoud, G
of Veerashaiva college, Ballari
has participated in one day state level webinar on **Initiating Zoological Research at U.G. Level:**
The Paradigm Shift jointly organized by Internal Quality Assurance Cell (IQAC) and
Department of Botany and Zoology on Tuesday, 07-09-2021

Guest Speaker

Organizing Secretary

IQAC Coordinator

Principal



Hyderabad Karnataka Education Society's
SHRI PRABHU ARTS, SCIENCE AND J. M. BOHRA
COMMERCE DEGREE COLLEGE SHORAPUR-585224,
DISTRICT; YADGIR, KARNATAKA, INDIA



NAAC Accredited with 'B' Grade
(Affiliated to Gulbarga University, Kalaburagi, Karnataka)



Certificate ID: **JRLVSC-CE000522**

NAAC SPONSORED NATIONAL WEBINAR
ON
THE IMPACT OF COVID-19 PANDEMIC CRISIS ON HIGHER
EDUCATION INSTITUTIONS IN KARNATAKA AND ITS
CHALLENGES (ICPCHEIKC-2021)

PARTICIPANT CERTIFICATE

This is to certify that Dr./Mr./Ms. **Mallanagoud. G** of Veerashaiva college, Ballari has participated in the **NAAC Sponsored National Webinar** on "The Impact of Covid-19 Pandemic Crisis on Higher Education Institutions in Karnataka and its Challenges" (**ICPCHEIKC-2021**) organized by Internal Quality Assurance Cell (IQAC), HKE Society's, Shri Prabhu Arts, Science and J. M. Bohra Commerce Degree College, Shorapur, District; Yadgiri, Karnataka-India held on **20th July, 2021.**


Dr. Vaijinath A. Verma
Organizing Secretary,
IQAC Coordinator


Dr. S. H. Hosamani
Principal


Dr. Bhimashankar C. Bilgundi
President
HKE Society, Kalaburagi
Karnataka, India

CERTIFICATE OF PARTICIPATION



This is to certify that



Mallanagoud. G

for actively participating in the International Online Seminar on WORLD OZONE DAY conducted by IQAC St. Xavier's College(Department of Chemistry), Ranchi, Jharkhand, held on 16th September 2021.

FR.DR. NABOR LAKRA
PRINCIPAL
St. Xavier's College, Ranchi

PROF. DR. A.K.SRIVASTAVA
HOD, Botany
St. Xavier's College, Ranchi

DR. SHREYA GORAI
Faculty, Chemistry


Made for free with Certify'em



Karnataka Science and Technology Academy
Dept. of Science & Technology, Govt. of Karnataka
&
Vijayanagara Sri Krishnadevaraya University, Ballari

ATTENDANCE CERTIFICATE

This is to certify that Mr./Ms./Dr. G. MANOHARA
attended the KSTA National Conference on "Impact of Science and Technology on
Society and Economy" at Joladarashi Doddanagouda Rangamandira, Ballari during 8th-
10th March, 2017.


Organizing Secretary
Secretary
KSTA Conference
Ballari.



Certificate


TUMKUR UNIVERSITY
DEPARTMENT OF STUDIES AND RESEARCH IN ZOOLOGY

(Accredited with 'B' grade by NACC)

TUMAKURU

This is to certify that Prof/Dr/Mr/Ms/Ms. Manthavie G
has participated as / in a Delegate / a Poster / Oral presentation / Chaired the session / Organising Secretary /
Co-organizing Secretary / Organising / Advisory / Editorial Committee Member in the National conference on
"Emerging Trends and Approaches in Zoological Science" Organized by The Department of Studies and
Research in Zoology, Tumkur University, Tumakuru on 31st January 2018.


Prof. B. S. Gunjal
Registrar
Tumkur University


Dr. Asiya Nuzhat F.B.
Organizing Secretary
NCETAZ-2018



KARNATAKA SCIENCE AND TECHNOLOGY ACADEMY (KSTA)

Department Of Science And Technology, Government Of Karnataka And

SRI GAVISIDDHESHWAR ARTS, SCIENCE & COMMERCE COLLEGE, KOPPAL

“NATIONAL CONFERENCE”

Certificate Of Participation

This is to certify that Dr./Shri/Smt. G. Manohara representing

Veerashiva College, Ballari

has participated in the KSTA Conference on “Role of Science and Technology in Rural Development” on 23rd and 24th February, 2018 at Sri Gavisiddheshwar Arts, Science & Commerce College, Koppal.

Dr. H. Honne Gowda
CEO & Member Secretary,
KSTA, Bangalore

Prof. Manohar S. Dadmi
Principal, Sri Gavisiddheshwar Arts, Science
& Commerce College, Koppal.



KUVEMPU UNIVERSITY

Department of P.G. Studies and Research in Microbiology
Bioscience Complex, Jnanasahyadri, Shankaraghatta - 577451,
Shivamogga (District), Karnataka, INDIA.



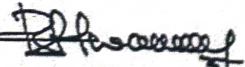
Organized National Conference

On

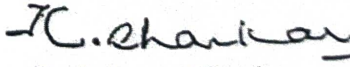
"Current Microbial Challenges in the Environment (CMCE-2018)"

CERTIFICATE

This is to certify that Mr./Ms./Dr. Manohara G. Dept. of Applied Zoology of K.V. Shankaraghatta has actively participated in the National Conference on "Current Microbial Challenges in the Environment (CMCE-2018)" held at Department of Microbiology, Kuvempu University, Shankaraghatta, Shivamogga, Karnataka, India during 09th and 10th March, 2018 as Invited Speaker / Chairperson / Co-Chairperson / Organizing committee member / Volunteer and presented Oral/ Poster on topic entitled "Avifaunal Studies on Antasamudra Lake, Hagaribommanahalli (Balegi Dist). Karnataka, India".


Dr. B. Thippeswamy
Organizing Secretary


Dr. N.B. Thippeswamy
Convener


Prof. Jogan Shankar
Vice-Chancellor



KUVEMPU UNIVERSITY

(NAAC accredited with "A" Grade, and 78th All India Ranking in NIRF)

Department of P. G. Studies and Research in Wildlife and Management
Shankaraghatta, Shivamogga District, Karnataka State, India

In association with

KARNATAKA BIODIVERSITY BOARD

(Department of Forest, Ecology and Environment)
"Vanavikas", 18th cross, Malleshwaram, Bangalore 560003



CERTIFICATE

This is to certify Ms./Mr./Dr. Manshan G.

Dept. of Zoology, Kuvempu University, Shankaraghatta.

Presented (Oral/Poster)/ Participated in the


'National Conference on Biodiversity Conservation - Recent Development & Future Strategies'

held during 16th and 17th November, 2018 at Department of Wildlife and Management,

Kuvempu University, Shankaraghatta -577451, Shivamogga District, Karnataka, India


Dr. Vijaya Kumara

Organizing Secretary, BCBBS 2018


Prof. Jogan Shankar

Vice-Chancellor




Veerashaiva Vidyavardhaka Sangha's
VEERASHAIVA COLLEGE, BALLARI.
Affiliated to VSK University, Ballari.
Accredited by NAAC with 'B' Grade in Third Cycle





**A NAAC Sponsored Two Day National Seminar
on
Enhancement of Quality in Higher Education-The Role of IQAC**

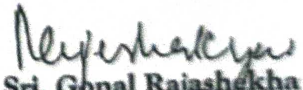
CERTIFICATE

This is to certify that Dr/Mr/Ms/ G. Manohar, Department of Zoology
of Veerasaiva College, Ballari has participated
as Resource Person / Chairperson / Participant / presented a paper on _____
in _____
National Seminar on "Enhancement of Quality in Higher Education - The Role of IQAC" held
at Veerashaiva College, Ballari, Karnataka, on 15th and 16th February, 2019.


B.O. Satyanarayana Reddy
Co-organizing Secretary


Sri. Siddaram G. Mulaje
Organizing Secretary


Dr. G. Rajashankar
Principal & Convener


Sri. Gopal Rajashankar
Chairman



Veerashaiva Vidyavardhaka Sangha's

VEERASHAIVA COLLEGE, BALLARI.

(Affiliated to Vijayanagara Sri Krishnadevaraya University, Ballari.)
(Accredited by NAAC with 'B' Grade in Third Cycle)



Two Days Self Financed National Conference on
"Ecological Imbalances- Causes & Solutions" (EICS-2019)

21st & 22nd March, 2019


ORGANIZED BY : DEPARTMENT OF ZOOLOGY

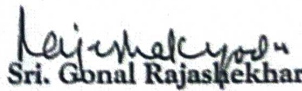


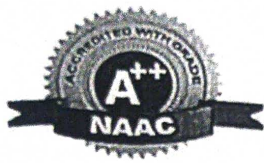
CERTIFICATE

This is to certify that Mr./Mrs./Dr./Prof. MANOHARA.G Asst Prof
of Veerashaiva College, Ballari has participated as a Delegate/
presented a paper (Oral/Poster) entitled Studies on breeding activities of birds in Bannigola Backwa
(re), Ballari CD), Karnataka.
of T.B.dam, Hegaribommatihalli in Self Financed Two Days National Conference, held on 21st & 22nd March, 2019.


Dr. G. Manohara
Organizing Secretary


Dr. G. Rajashankar
Principal


Sri. Gopal Rajashankar Goud
Chairman



Knowledge Partner



INTERNATIONAL WEBINAR

Organised by LNIPE, Gwalior, India

Impact of Covid 19
Physical Education
& Sports Business Management

Certificate of Participation

Awarded To

DR G MANOHARA GOUDA

Participant's ID: A101276

for participating in the International Webinar; 'Impact of Covid 19 on Physical Education & Sports Business Management', held on 13th & 14th May 2020.

Dilip Dureha

Chairperson

Prof. Dilip Kumar Dureha

Vice Chancellor, LNIPE, Gwalior, India

Dr. Krishna Kant Sahu

Secretary

Dr. Krishna Kant Sahu

HOD, Sports Management, LNIPE, Gwalior, India



KLE Society's Science & Commerce College
Kalamboli, Navi Mumbai, India



Van-Mahotsava-2020

International Webinar

Certificate No: KLENM/NC/0275

Certificate of Participation

This is to certify that Dr Manohara. G. Veerashaiva College , India has participated in International Webinar on "Empowering Youth towards Sustainable Development of Environment-The Role of Educational Institutions" organised by the Nature Club on July 4, 2020.

Dr Shilpi V Teotia
Convener, Nature Club

Dr G.D. Giri
Principal




V. V. Sangha's
VEERASHAIVA COLLEGE, BALLARI
(Affiliated to Vijayanagara Sri Krishnadevaraya University, Ballari.)
Recognized by UGC under section 2(f) & 12(B)
(Accredited by NAAC 'B' Grade In Thlr Cycle with a CGPA of 2.72/4.00 In 2016)

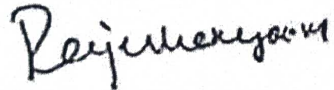



NATIONAL WEBINAR ON
NATURAL REMEDY FROM NATURAL RESOURCES

Organized by
DEPARTMENT OF BOTANY

This is to certify that, Prof/Dr/Sri/Smt. G. MANCHARA
OF VEERASHAIVA COLLEGE, BALLARI has
participated in National level Webinar on 29-07-2020 at Veearashaiva College, Ballari-583104


Dr. G. Rajashekar
Principal
VSC, Ballari


Sri. Gonal Rajashekar Gouda
Chairman
VSC, Ballari


Prof. W. Sharanappa
Organizing Secretary
VSC, Ballari



JSS MAHAVIDYAPEETHA

JSS College for Women

(An Autonomous College of University of Mysore, Re-accredited by NAAC with A+ Grade with a CGPA of 3.51.)
Saraswathipuram, Mysuru -09

Webinar

"Recent Developments in Plant Science"

E-CERTIFICATE

This is to certify that

Dr. G. Manohara, Veerashaiva College, Ballari.

has participated in the webinar on 6 August, 2020 organised by IQAC and Department of Botany, JSS College for Women (Autonomous), Saraswathipuram, Mysuru-09

Organizing Secretary

Coordinator IQAC and Dean (Academic)

Principal

Certificate ID: JSSCW/BOT/Web-212



V. V. Sangha's

VEERASHAIVA COLLEGE, BALLARI

(Affiliated to Vijayanagara Sri Krishnadevaraya University, Ballari.)

(Accredited by NAAC 'B' Grade and UGC Approved)

INTERNATIONAL WEBINAR ON

APPLICATIONS OF ICT DURING COVID-19 FOR EDUCATION AND INDUSTRY'S

Organized by

Department of Computer Science, VSC, Ballari



This is to certify that, Prof/Dr/Sri/Smt/Student Dr. G. Manohara
Of Veerashaiva College, Ballari. has Participated in International Webinar
on 08/08/2020 at Veerashaiva College, Ballari-583104

Dr G. Rajashekar
Principal
VSC, Ballari

Sri. Gonal Rajashekar Gouda
Chairman
VSC, Ballari

Sri. Sharana Kumar S.R
Organizing Secretary
VSC, Ballari



H.K.E. Society's
A. V. PATIL ARTS, SCIENCE & COMMERCE COLLEGE
ALAND, DIST. KALABURAGI - 585302, KARNATAKA, INDIA



E-CERTIFICATE

This is to certify that **Dr. G. Manohara** from **Veerashaiva College Ballari** has successfully attended the NAAC sponsored National Seminar (Online) on “**Execution of Artistic Procedure for Preparation of SSR as per New Dimensions of NAAC**” on January 19, 2021.

Dr. Venkatesh G.
Coordinator

Dr. Ramesh S. Masarbo
Organizing Secretary

Dr. Rajshekhar Babnoor
Principal

Dr. Bhimashankar Bilgundi
President, H.K.E. Society

Made for free with Certify'em



One-day national webinar on
RECENT TRENDS IN PLANT SCIENCES(RTIPS)

Organized by

DEPARTMENT OF BOTANY

SKP GOVERNMENT DEGREE COLLEGE, GUNTAKAL

Re-accredited by NAAC with 'B'(CGPA-2.76)



e-CERTIFICATE

This is to certify that Mr./Mrs./Miss Dr.G.Manohara, Prof of Zoology , Veerashaiva College Ballari has participated in the webinar held on 20-01-2021 (wednesday), organized by Department of Botany, SKP Government Degree college, Guntakal, Anantapur District, Andhra Pradesh.

Dr. P. Sashikiran
Co-ordinator

Dr. A.S. Vijaya Kumar
Co Co-ordinator

Sri J. Bheemalingiah
Organizing Secretary

Dr. K. Ganeswar
Chairperson



Shajeevan Shikshan Sanstha's
I.C.S. College of Arts Commerce & Science
Khed, Dist. Ratnagiri (M.S.)

(Affiliated to University of Mumbai)

National Webinar

'Effective Skills for Research Paper and Research Proposal'

CERTIFICATE


This is to certify,

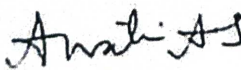
Dr. G. Manohara


of

Veerashaiva College Ballari

has attended the national webinar "Effective Skills for Research Paper and Research Proposal",
organised by Department of Geography and Commerce on Tuesday, 12th Jan. 2021.


Dr. C.R. Salunkhe
Co-convener


Dr. Anita Awati
Convener


Dr. Gopinath Sarang
Principal



THE NATIONAL EDUCATION SOCIETY OF KARNATAKA(R)

BASAVANAGUDI, BENGALURU-560004

THE NATIONAL COLLEGE, AUTONOMOUS

BASAVANAGUDI, BENGALURU-560000



DEPARTMENT OF ZOOLOGY
NATIONAL WEBINAR ON
"RECENT DEVELOPMENTS IN APPLIED ZOOLOGY"
IN ASSOCIATION WITH

All India Network Project on
Vertebrate Pest Management
UAS, GKVK,
Bengaluru-560065

Department of Zoology
Gokhale Centenary College
Ankola, Uttara Kannada,
Karnataka - 581314

This is to certify that Dr. G. Manohara of
Veerashaiva College

has participated in the "NATIONAL WEBINAR" on "RECENT DEVELOPMENTS IN APPLIED ZOOLOGY" organized by the Department of Zoology, The National College, Autonomous, Basavanagudi, Bengaluru held on 10th and 11th June, 2021.

Dr. Mohan I Naik
Professor and Head
INP on Vertebrate Pest Management
UAS, GKVK, Bengaluru.

Dr. S. R. Shirodkar
HOD, Zoology
Gokhale Centenary College,
Ankola, Uttara Kannada, Karnataka

Prof. Ramesh P.L.
HOD, Zoology
National College Basavanagudi,
Bengaluru-560000

Dr. C.B. Annapurnamma
Principal,
National College Basavanagudi

Made for free with Certify'em



|| ಪ್ರಜ್ಞಾಪಿ, ವರಮಾ ಗಣಿ: ||

THE NATIONAL EDUCATION SOCIETY OF KARNATAKA®

Basavanagudi, Bengaluru, Karnataka, India

THE NATIONAL COLLEGE AUTONOMOUS

Basavanagudi, Bengaluru – 560004

INTERNATIONAL WEBINAR ON

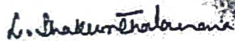
**"CURRENT TRENDS IN IMPACT OF TOXICANTS ON
BIODIVERSITY AND HUMAN HEALTH"**

ORGANIZED BY DEPARTMENT OF ZOOLOGY



This is to certify that Dr. G. Manohara
of Veerashaiva College


has participated in the "INTERNATIONAL WEBINAR" on "CURRENT TRENDS IN
IMPACT OF TOXICANTS ON BIODIVERSITY AND HUMAN HEALTH" organized by the
Department of Zoology, The National College, Autonomous, Basavanagudi,
Bengaluru held on 18th June, 2021.



Dr. L. Shakunthalamma
Associate Professor,
Department of Zoology,
National College, Basavanagudi,
Bengaluru - 560004



Prof. Ramush P.L.
Associate Professor & HOD,
Department of Zoology,
National College, Basavanagudi,
Bengaluru-560004



Dr. C.B. Annapurnamma
Principal,
National College, Basavanagudi,
Bengaluru-560004

Made for free with Certify'em



Government of Karnataka
Department of Collegiate Education

Government First Grade College, Hubballi-580 032

Accredited with NAAC 'B' Grade

IQAC Initiative

Department of Zoology and Botany

ONE DAY STATE LEVEL WEBINAR

**Session 1 : Marine Habitat as a Treasure of Faunal Biodiversity, its Pollution and Management
&**

Session 2: Genetic Engineering

This is to certify that Dr. G. Manohara

of Veerashaiva College has

successfully participated in One Day State Level Webinar on 24-07-2021 organized by Internal
Quality Assurance Cell (IQAC) & Department of Zoology and Botany.

Dr. Umme Habeeba & Dr. Umadevi. C. J
Program Coordinators

Dr. Annapurna Hattimattur
IQAC Coordinator

Prof. Jagannath L Rathod
Resource Person

Dr. P B Kalyanshetti
Principal

Dr. Chandrashekhar G Patil
Resource Person

ABRXRK-CE000128

Made for free with Certify'em



ST. FRANCIS DE SALES COLLEGE

Christian Minority Institution

Managed by Archdiocese of Nagpur

Seminary Hills, Nagpur, Maharashtra, India

Website: <https://sfscollege.edu.in/>

Email: sfs_college@yahoo.com



CERTIFICATE OF PARTICIPATION



Certificate ID: 172

This is to certify that Prof./Dr/Mr/Mrs/Ms Dr. G. Manohara

from Veerashaiva College

has attended the One Day National Webinar on "International Tiger Day" organized by Saint Francis De Sales College, Nagpur on July 29 , 2021.

A. Shireen

Dr. A. Shireen Iqbal

Coordinator

SFS College, Nagpur



International
TIGER DAY
Let us shut our doors for their company

Thomas. K.T.

Dr. K.T. Thomas

Organizing Convener & Principal
SFS College, Nagpur



SGVC Vidya Prasarak Trust's
MGVC ARTS, COMMERCE AND SCIENCE COLLEGE,
MUDDEBIHAL

ONE DAY INTERNATIONAL WEBINAR ON

"RESPONSIBLE CITIZENS IN RESTORING ECOSYSTEMS IN THE DRYLANDS"

CERTIFICATE OF PARTICIPATION


DR. G. Manohara

Associate professor Veezashaiva College

has participated in the International Webinar on **"RESPONSIBLE CITIZENS IN RESTORING ECOSYSTEMS IN THE DRYLANDS"** Organised by Department of Botany in association with Internal Quality Assurance Cell on 31-07-2021.



Prof. Miss. D.S. Talikoti
Organising Secretary


Prof. B.N. Chawdapur
Convener


Dr. B.A. Guli
IQAC Coordinator


Prof. S.V. Gurumath
NAAC Coordinator


Prof. S.N. Poleshi
Principal


Prof. A.B. Kulkarni
Administrator

LUNBDG-CE000067

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