

MMK & SDM MAHILA MAHAVIDYALAYA

KRISHNAMURTHY PURAM, MYSORE



DEPARTMENT OF MICROBIOLOGY

A Report on

2 Days International E-Conference

on

"Recent Research and Innovations in Life Science 2022-Nutraceuticals in Healthy Ageing"

In Collaboration with

Association of Pharmaceutical Scientists and Educators (APSE)



Date 3rd & 4th February 2022
Time 10.00 AM
Venue Auditorium of our College
Cheif Organizers Prof. Sainath Malligemadu, Principal &
Dr. Hanumanthachar Joshi, Principal, Sarada Vilas College of
Pharmacy, Mysuru,
Organizing Secretary Mrs. Atiya Sameen M P, Asst Professor & HOD
CO-ORGANIZING SECRETARY Mrs. Rajarajeshwari R, Asst. Professor
BENEFICIARIES: 130 (UG, PG Students, Research Scholars and Faculties)



PRINCIPAL
MMK & SDM Mahila Mahavidyalaya
Krishnamurthypuram, Mysore - 570 004

OBJECTIVES :

- ★ The main objective of organizing this conference to create space for creating collaborative links between academics, Scientists and professional practitioners and their workplaces, aiming at long-term sharing of knowledge and discussions of recent research in life science.
- ★ To determine through history how the organization has changed its practices and adopted new solution.
- ★ To assess how the new practices, technology and strategies will contribute to the overall effectiveness

PROCEEDINGS OF THE CONFERENCE:

- ❖ The International E Conference was inaugurated by **Prof. S.R. Niranjana, Former Vice Chancellor, Gulbarga University**, Karnataka Distinguished Professor (Life-Long), UGC-BSR Faculty, Fellow DOS in Biotechnology, University of Mysore who delivered the key note address. He highlighted the importance of research and its innovations. The participants were encouraged to acknowledge the current technological accomplishments the wide scope towards discoveries and new inventions in Life Science. The Occasion was also graced by **Dr. Hanumanthachar Joshi, Principal, Sarada Vilas College of Pharmacy, Mysuru**. He highlighted the interesting facts of Nutraceuticals in healthy ageings. The inauguration function was presided by **Prof. Sainath Malligemadu**, Principal of our College.
- ❖ **Technical Session 1: "Concept of Nutraceuticals in Ayurveda"** by Dr.SukeshMK ResidentMedicalOfficer, Govt. Ayurveda Hitech Panchakarma Hospital, Mysuru.
- ❖ **Technical Session 2 : "Challenges and Opportunities of Nutritional Therapy for Neurovascular Aging – Future Perspectives"** Dr. Arunachalam Muthuraman M Associate Professor, Pharmacology Unit, Faculty of Pharmacy, AIMST University, Semeling Bedong, Kedah Darul Aman, Malaysia.
- ❖ **Technical Session 3 : "Jamu Consumption for Healthy Ageing"** Ms. Neny Purwitasari, Faculty of Pharmacy, Universitas Airlangga Surabaya- Indonesia
- ❖ **Technical Session 4 : "Evaluation of Shelf- Life period of Laung & Darchini by accelerated stability study models using the marker compounds Eugenol and Cinnamaldehyde"** by Dr. Amina Yasmee Associate Professor & HOD Department of Pharmacology, Govt. Unani Medical College & Hospital Bengaluru.
- ❖ **Technical Session 5 : You are as old as You Feel"** Prof. Milind Parle, Professor Guru Jambheshwar, University of Science and Technology Hisar, Haryana, Former Deputy Director, AICTE.
- ❖ **Valedictory** function was addressed by **Dr. Bannappa Unger, Deputy Director, ICMR, Belagavi**, presided by **Prof. Sainath Malligemadu**, Principal of our College & **Dr. Hanumanthachar Joshi, Principal, Sarada Vilas College of Pharmacy**


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Dr. S. S. M. Malligemadu

Krishnamurthyapuram, Mysore-570 004

- ❖ **Poster Presentation** was given virtually by the participants and the judges were **Dr. Sharad Wakode, Professor**, Delhi Institute of Pharmaceutical Sciences and Research (DIPSAR) a constituent college of DPSRU, Govt. of NCT of Delhi and **Dr. Vishwanath T**, Asst. Professor, Dept. of Microbiology, Maharani Science College for Women.

OUTCOME:

- ★ Discover and upgrade to the latest inventions and ongoing research in the field of Life Science.
- ★ Gain irreplaceable knowledge and apply it to their research.
- ★ Improve presentation and communication skills.

CONCLUSION:

- ❖ Over 130 delegates comprising of faculties from various institutions, research scholars from different Research Centers and PG & UG students from different places participated in the conference. The Conference perceived a series of dynamic talks from renowned scientists and professors from AIMST University, Semeling Bedong, Kedah Darul Aman, **Malaysia**. University of Science and Technology Hisar, Haryana, **Former Deputy Director, AICTE**. Govt. Unani Medical College & Hospital Bengaluru. University of Airlangga Surabaya- **Indonesia** and created a platform to promote research work in the form of Oral presentations.



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Vision: Empowerment of Women to build an Enlightened Society

Department of Microbiology & IQAC

In Collaboration with

Association of Pharmaceutical Scientists and Educators (APSE)

Organising

2 Days International E-Conference

on

"Recent Research and Innovations in Life Science 2022-
Nutraceuticals in Healthy Ageing"



Date: 3rd & 4th February 2022

Registration Fee Details:

Delegates: Rs.200, Research Scholars : Rs.150 & Students-
Rs.100

Last Date for Abstract Submission on or before January
31st, 2022

Click on the given link for registration

<https://forms.gle/kQWTxpXtsZHLnItH6>

Contact Details: 9845653689 / 8197469778

Conference Theme:

Nutraceuticals in Healthy Ageing

Sub Themes: Food Science & Bioprocessing, Nutraceuticals, Agricultural Science, Molecular Biology, Drug Discovery, Environmental Science, Medical Science, Bioremediation, Marine biology.

Guidelines for the submission of Abstracts:

Abstracts not exceeding 250 words are invited for oral presentation in any of the themes of the conference. The one page abstract should be typed in 12 point, Times New Roman, normal font & single space. Authors are requested to email the soft copy to rajarajeshwari.r@sdmmmkmysore.in

Guidelines for the Poster Presentation:

The duration of the presentation must be focused and is restricted to only 6 mins. As in any research presentation, the outline includes statement of the problem, description of the methodology, summary of the work, and then the presentation of results. Conclusions should leave the delegates with a clear take away message.



Chief Patron

Padmavibhushana Dr. D.Veerendra Heggade
President, SDME Society @, Ujire

Chief Organizers



Prof. Sainath Malligemadu
Principal



Dr. Hanumanthachar Joshi
Principal, Sarada Vilas College of
Pharmacy, Mysuru,
Secretary, APSE



Organizing Secretary
Smt. Atiya Sameen. M.P
Asst Professor & HOD
Dept. of Microbiology



Co-organizing Secretary
Smt. Rajarajeshwari. R
Asst. Professor
Dept. of Microbiology



IQAC Coordinator
Smt. K.S. Sukratha
Asst Professor & HOD
Department of Computer Science

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Invites you to
2 Days International E-Conference
on
"Recent Research and Innovations in Life Science 2022- Nutraceuticals in Healthy Ageing"
Date: 3rd & 4th February 2022

Inauguration
Date: 3-2-2022
Time: 10AM

INAUGURATOR

Prof. S.R. Niranjana

Ph.D., FNAsc., FNAAS., FNABS., FKSTA., FPSL, FISMPP
Former Vice Chancellor, Gulbarga University
Karnataka Distinguished Professor (Life-Long), UGC-BSR Faculty Fellow
DOS in Biotechnology, University of Mysore

GUEST OF HONOUR

Dr. Hanumanthachar Joshi

Principal, Sarada Vilas College of Pharmacy, Mysuru.
Secretary, APSE

PRESIDENT

Prof. Sainath Malligemadu

Principal
MMK & SDM MMV

Organizing Secretary

Smt. Atiya Sameen. M. P
Asst Professor & HOD
Dept. of Microbiology

Co-organizing Secretary

Smt. Rajarajeshwari. R
Asst. Professor
Dept. of Microbiology

IQAC COORDINATOR

Smt. K S Sukrutha
Asst. Professor & HOD
Department of Computer Science

PLEASE DO GRACE THE OCASSION BY YOUR PRESENCE
Best wishes from Management, Staff and Students


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Date: 3rd & 4th February 2022

3-2-2022 Inauguration- 10.00am	
Invocation	Ms. Bhumika, Ms. Sharanya & Ms. Ramyashree, III B.Sc
Welcome Speech	<i>Mrs. Atiya Sameen. M. P</i> Asst. professor & Head Department of Microbiology
Lighting the Lamp	Dignitaries
Keynote address	INAUGURATOR <i>Prof. S.R. Niranjana</i> Former Vice Chancellor, Gulbarga University Karnataka Distinguished Professor (Life-Long), UGC-BSR Faculty Fellow DOS in Biotechnology, University of Mysore
Address the Gathering	GUEST OF HONOUR <i>Dr. Hanumanthachar Joshi</i> Principal Sarada Vilas College of Pharmacy, Mysuru Secretary, APSE
Presidential address	<i>Prof. Sainath Malligemadu</i> Principal
Vote of thanks	<i>Mrs. Rajarajeshwari R</i> Asst. Professor Dept. of Microbiology


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Date: 3rd & 4th February 2022

4-2-2022 VALEDICTORY-1.00Pm	
Welcome Speech	<i>Mrs. Rajarajeshwari R</i> Asst. Professor Dept. of Microbiology
Address the Gathering	Chief GUEST Dr. Banappa Unger Deputy Director ICMR, Belagavi
Address the Gathering	<i>Dr. Hanumanthachar Joshi</i> Principal Sarada Vilas College of Pharmacy, Mysuru Secretary, APSE
Presidential address	<i>Prof. Sainath Malligemadu</i> Principal
Vote of thanks	<i>Mrs. Atiya Sameen. M. P</i> Asst. professor & Head Department of Microbiology

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Date: 3rd & 4th February 2022

List of Poster Presentation Winners

Sl. No	Name of the Presenter	Institute	Title of the poster	Remarks
1	Dr. Raghavendra M.P	Postgraduate Department of Microbiology, Maharani's Science College for Women, JLB Road, Mysuru, Karnataka	Noneoicglycolate of <i>Aristolochia littoralis</i> Parodi seeds with antibacterial activity inhibits cell growth and induces apoptosis in A431 melanoma cells	Best Research POster
2	Dr. Ashok N Pyati	Plant Tissue Culture laboratory, PG department of Botany, Maharani's Science College for Women, Mysore, Karnataka, India	Micropropagation of an Endangered Epiphytic orchid <i>Dendrobium crepidatum</i> Lindl. & Paxton through the induction of Embryogenic callus.	Best Promising Researcher
3	Ashish Kumar Singh	Research Scholar Department of Biochemistry School of Life Science University of Hyderabad	Advanced glycated end-products activate NOTCH signalling in Podocytes: Implications in Diabetic Nephropathy.	Best Promising Researcher


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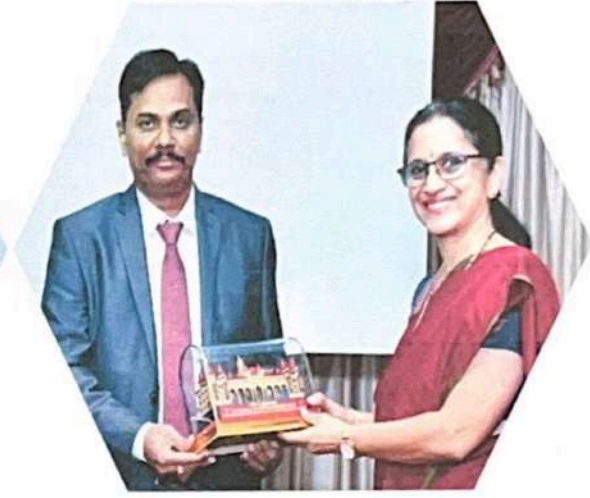
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INAUGURATION PHOTOS




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KEY NOTE SPEAKER



Key note address was given by **Prof. S.R. Niranjana**, Former Vice Chancellor, **Gulbarga University**, Karnataka Distinguished Professor (Life-Long), UGC-BSR Faculty, Fellow DOS in Biotechnology, University of Mysore. He highlighted the **Current prospectus of Nutraceuticals** saying that Currently, nutraceuticals are gaining substantial attention due to nutrition and therapeutic potentials. Based on their sources, they are categorized as dietary supplements and herbal bioactive compounds. The global market for nutraceutical is huge. Herbal nutraceutical helps in maintaining health and promoting optimal health, longevity, and quality of life. Studies have shown promising results of nutraceuticals to treat several diseases, such as cancer, neurodegenerative diseases, cardiovascular diseases etc..


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DETAILS OF TECHNICAL SESSION

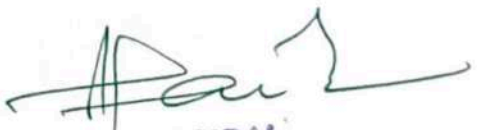
- ❖ **Technical Session 1:** *"Concept of Nutraceuticals in Ayurveda"*
- ❖ **Time :** 10.30am
- ❖ **Resource Person:** Dr. Sukesh M K, Resident Medical Officer, Govt. Ayurveda Hitech Panchakarma Hospital, Mysuru.

He highlighted the concept saying Rasayana therapy is used to achieve the physical, mental and social well being. Many Ayurvedic formulations have tremendous nutritional benefits. There are many preparations in classics which have not been used in therapeutics which also put forth also challenges for pharmaceuticals. There is also a need for further research and development of these preparations for nutritional supplements. The association of nutraceuticals with traditional medicine is bound to bring the longlasting consumer acceptance. When backed with current modern medical research, the acceptance will be whole hearted.

- ❖ **Technical Session 2 :** *"Challenges and Opportunities of Nutritional Therapy for Neurovascular Aging – Future Perspectives"*
- ❖ **Time:** 11.15am
- ❖ **Resource Person :** Dr. Arunachalam Muthuraman M Associate Professor, Pharmacology Unit, Faculty of Pharmacy, AIMST University, Semeling Bedong, Kedah Darul Aman, Malaysia.

He highlighted some challenges and opportunities of nutritional therapy for neurovascular aging saying During ageing, a number of factors including aortic or arterial stiffness, autonomic dysregulation, neurovascular uncoupling and blood-brain barrier damage will define the dynamics of brain blood flow and local perfusion.

The past two decades have witnessed remarkable advances in the research of neurovascular unit dysfunction, which is emerging as an important pathological feature that underlies these neurological disorders.


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❖ **Technical Session 3 : “Jamu Consumption for Healthy Ageing”**

❖ **Day : 1**

❖ **Time: 10.30am**

❖ **Resource Person:** Ms. Neny Purwitasari, Faculty of Pharmacy, University of Airlangga Surabaya- Indonesia




She highlighted on Jamu which is a traditional herbal medicine of Indonesia, which emerges from Javanese culture that is passed down through generations. The tradition was brought by Javanese transmigrants in Lampung, Indonesia. She also explained how women use herbal medicine in their daily lives, such as during menstruation and childbirth.

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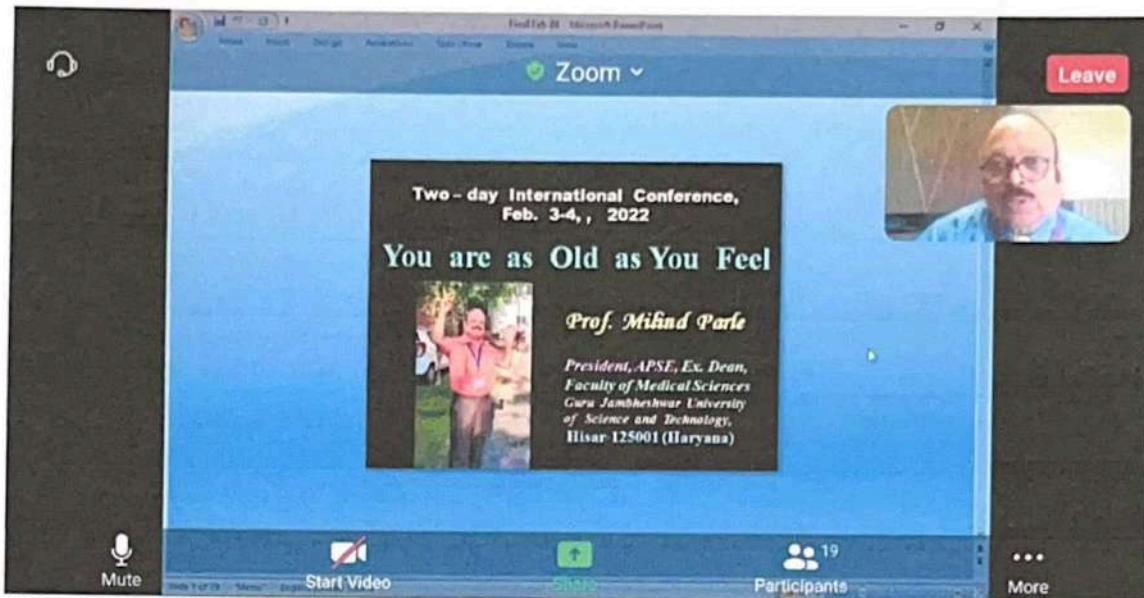
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- ❖ **Technical Session 4** : :*“Evaluation of Shelf- Life period of Laung & Darchini by accelerated stability study models using the marker compounds Eugenol and Cinnamaldehyde”*
- ❖ **Day** : 2
- ❖ **Time**: 11.15am
- ❖ **Resource Person**: Dr. Amina Yasmeen Associate Professor & HOD Department of Pharmacology, Govt. Unani Medical College & Hospital Bengaluru.




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- ❖ **Technical Session 5 : *You are as old as You Feel***
- ❖ **Day : 2**
- ❖ **Time : 12.00pm**
- ❖ **Resource Person** : Prof. Milind Parle, Professor Guru Jambheshwar, University of Science and Technology Hisar, Haryana, Former Deputy Director, AICTE.

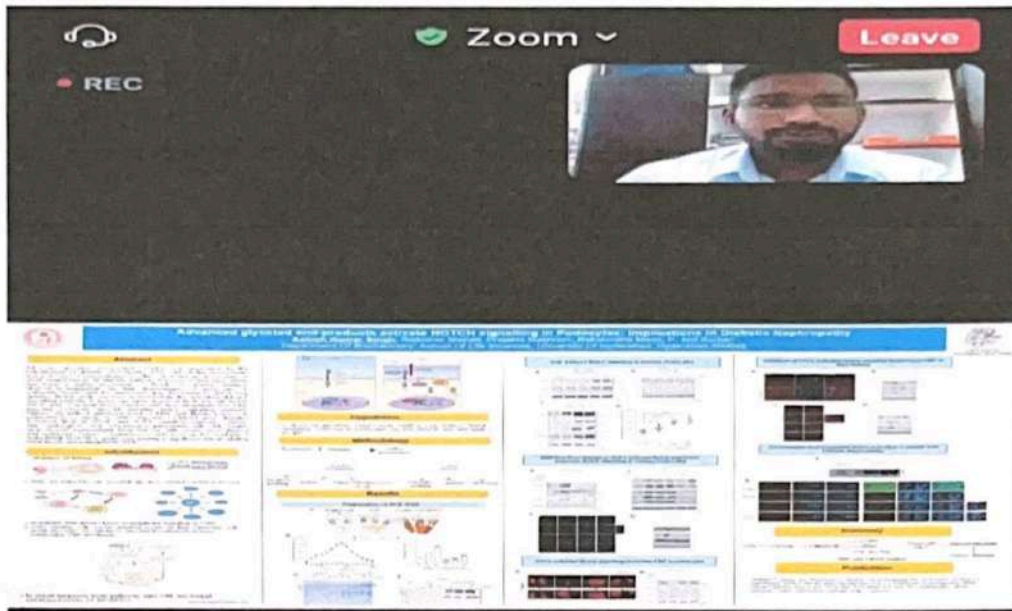


He highlighted the interesting facts of Nutraceuticals in healthy ageing. He concluded with a quote “don’t get upset with people, placea, things or situations: they are all powerless without your reaction”

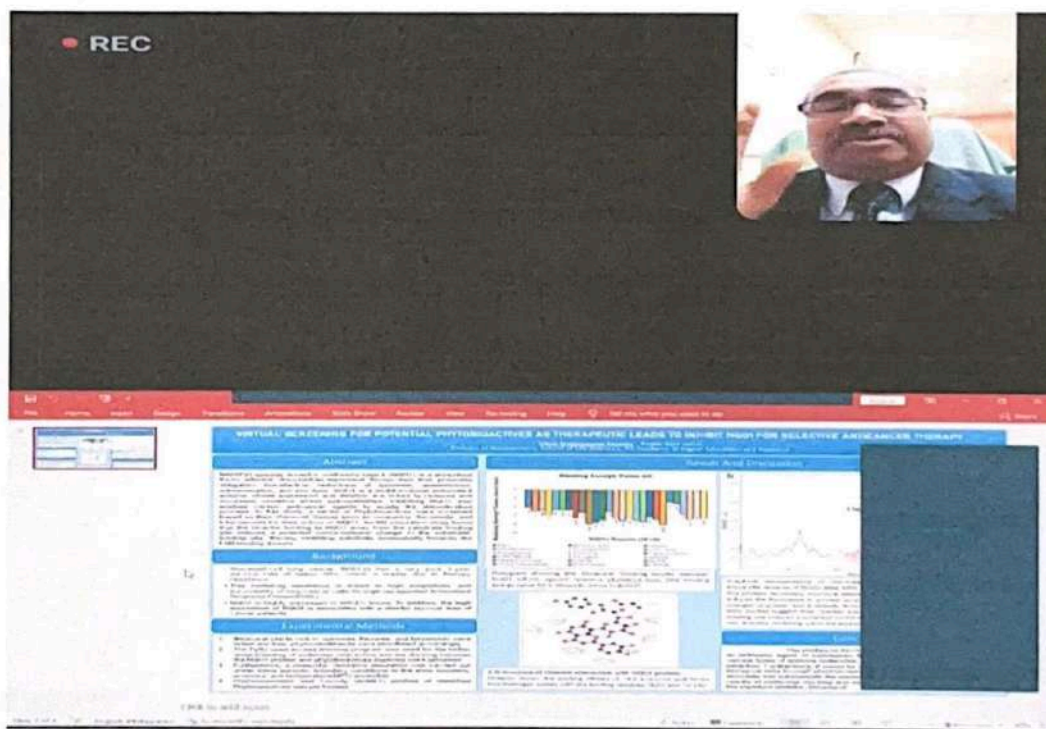
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Poster Presentation competition was held Virtually.



Participant presenting his poster



Dr. Sharad Wakode, Professor, Delhi Institute of Pharmaceutical Sciences and Research (DIPSAR) a constituent college of DPSRU, Govt. of NCT of Delhi, chairing the session.


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Valedictory Function (online mode)

4-2-2022 VALEDICTORY-1.00Pm	
Welcome Speech	<i>Mrs. Rajarajeshwari R</i> Asst. Professor Dept. of Microbiology
Address the Gathering	Chief GUEST Dr. Banappa Unger Deputy Director ICMR, Belagavi
Address the Gathering	<i>Dr. Hanumanthachar Joshi</i> Principal Sarada Vilas College of Pharmacy, Mysuru Secretary, APSE
Presidential address	<i>Prof. Sainath Malligemadu</i> Principal
Vote of thanks	<i>Mrs. Atiya Sameen. M. P</i> Asst. professor & Head Department of Microbiology




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2	Dr. Ashok N Pyati	Plant Tissue Culture laboratory, PG department of Botany, Maharani's Science College for Women, Mysore, Karnataka, India	Micropropagation of an Endangered Epiphytic orchid <i>Dendrobium crepidatum</i> Lindl. & Paxton through the induction of Embryogenic callus.	Best Promising Researcher
3	Ashish Kumar Singh	Research Scholar Department of Biochemistry School of Life Science University of Hyderabad	Advanced glycated end-products activate NOTCH signalling in Podocytes: Implications in Diabetic Nephropathy.	Best Promising Researcher

List of Poster Presentation Winners



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**DETAILS OF ABSTRACTS SUBMITTED BY
PARTICIPANTS**



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Microbial quality of raw milk in different regions of Tumkur

Deekshitha S, Durvesh Syeda Afreen Taj and Rashmi Hosamani*

Department of Microbiology, University College of Science, Tumkur University, Tumkur

* Corresponding Author (Mobile: +91 8095038107; E-mail: chrashmiucs@gmail.com)

Abstract

There has been an increased consumer demand for drinking raw milk due to its high nutritional content. The consumption of raw milk and unpasteurised dairy products can present health risks as they support a rich microbiota of pathogenic micro-organisms. Therefore, in concern with the public health issue the present study was attempted is to assess the microbiological quality of raw milk collected around in different locations of Tumkur. The samples of were analyzed for Standard plate Count (SPC), Direct microscopic count (DMC) and Methylene blue reduction test (MBRT). Identification of bacteria was done by biochemical tests. Results revealed that raw milk from cow consists of 0.5×10^{-5} to 2.5×10^{-4} CFU/ml and buffalo's milk was 1.6×10^{-5} to 1.8×10^{-4} . DMC was 3.3 lakhs bacteria/ml for cow's milk and 1.5-2 lakhs bacteria/ml. MBRT for cow's milk was 2 hours indicating the poor quality and buffalo's milk was 4 hours indicating the fair quality. The biochemical tests revealed the presence of *Escherichia coli*, *Staphylococcus spp.*, *Streptococcus spp.*, *Lactobacillus spp.* and *Bacillus spp.* The presence of coliform bacteria particularly *E. coli* in raw milk is an indicator of fecal contamination and presence of *Staphylococcus spp.*, and *Streptococcus spp* indicates poor hygienic conditions during milking and handling. Further, proper hygienic milking and milk handling procedures are required.

Key words: Standard plate Count (SPC), CFU/ml, Direct microscopic count (DMC), Methylene blue reduction test (MBRT), biochemical test, coliform



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ISOLATION AND IDENTIFICATION OF MICROORGANISMS ASSOCIATED WITH SURFACE OF THE MILK PACKETS

Rabiya Parveen, Sheema Sadiya, Seema Banu, Shabeena Anjum.K.S
Department of Microbiology, University college of Science, Tumkur University Tumkur
Corresponding author : Shabeenaks@gmail.com

ABSTRACT

Milk is abundantly used by the human beings in daily life. But we don't know about the microorganisms present on the surface of milk packets if they are not cleaned properly. The objective of present study is to determine microbial contamination of surface of the milk packets to take necessary remedial measures. Total analysis of 10 samples was done to identify bacterial isolates. Different isolates of bacteria includes *Bacillus spp*, *Enterobacter spp*, *Staphylococcus spp*, *Pseudomonas spp*, *Proteus spp*. The study concluded that on all the surface of the milk packets were contaminated with several microbes which included normal microflora of human handling and also from air, personal hand hygiene is very important and so before use washing of the surface of milk packets should be adopted.



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Correlation Of CBC Derivatives And Biochemical Prognostic Marker In Covid-19 Patients

Sivani *, Dr.Riju Mathew and Roshna Vijay S

*. Student, Co operative institute of health sciences, Thalassery

S. Lab & Quality manager ,associate professor at Believers Church Medical College Hospital,
Thiruvalla

\$.Associate professor, Co operative institute of health sciences, Thalassery

Correspondence: rijumathewmsc@gmail.com ,94476 59378

roshnavijay1989@gmail.com , 96054 60285

ABSTRACT

Background:SARS-CoV2 infection induces inflammatory responses and acute lung injury in human beings .Infection causes certain haematological and biochemical changes in patients. This study aimed analyze the correlation between haematological and biochemical prognostic marker in covid-19 .

Methods: Total 80 individuals selected, 50 COVID-19 positive patients and 30 subjects negative for COVID-19 RT-PCR test.Blood collected was sent to NLR,RDW, assayed in Beckman Coulter DxH 800.Serum CRP estimated by Immuno-turbidimetric method, ferritin by CLIA.Plasma collected estimate for D-dimer by CLIA. Unpaired T test & Pearson correlation (IBM SPSS 22.0) were used.

Result: Elevated levels of NLR(p value <0.001), RDW(p value <0.001), ferritin(p value <0.001), D-dimer(p value <0.001), CRP (p value <0.001).In current study the NLR positively correlate to CRP (r value=0.5, p value <0.001),NLR positively correlate to D-dimer(r value=0.3, p value<0.05),RDW positively correlated to CRP (r value=,0.3,p value <0.05),RDW negatively correlated to ferritin (r value=-0.439, p value <0.001).

Conclusion: The cytokine storm produced during covid-19 infection which inturn develop neutrophilia and lymphopenia ,CRP production and also cause elevation of procoagulants &D-dimer . RDW and CRP are positively correlated they are elevated during inflammatory conditions.RDW and ferritin show negative correlation. Retrospective study have some limitation so future studies will reveal more information

Keywords: neutrophil lymphocyte ratio, red cell distribution width, C-reactive protein, ferritin, D-dimer.

*Presenting author: sivanishylaja@gmail.com

\$.Corresponding author: rijumathewmsc@gmail.com & roshnavijay1989@gmail.com



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Noneoicglycolate of *Aristolochia littoralis* Parodi seeds with antibacterial activity inhibits cell growth and induces apoptosis in A431 melanoma cells
Thara N.K^{1,2} and Raghavendra M.P^{1*}

¹Postgraduate Department of Microbiology, Maharani's Science College for Women, JLB Road, Mysuru, Karnataka

²Research and Development Center, Bharathiar University, Coimbatore

*Corresponding author: mpraghavendra@gmail.com

Abstract

Aim: *Aristolochia littoralis* Parodi is a traditional medicinal plant which is screened for its ethnopharmacological properties. **Methodology:** Chloroform, ethanol and aqueous extracts of seeds were prepared. Antibacterial activity against *E. coli* and *Staph. aureus* and antiproliferative effects of the extracts on human skin carcinoma A431 cell lines by 3-(4,5-dimethylthiazol-2-yl)-2,5-diphenyl tetrazolium bromide (MTT) were analyzed. The fraction comprising the biomolecule responsible for anti-cancerous activity was purified through TLC and HPLC and was subjected to ¹H NMR, ¹³C NMR and Mass spectrophotometer for structural elucidation. The purified molecule was quantitatively evaluated for inducing apoptosis in A431 skin cancer cell line by flow cytometry analysis. **Results:** The solvent extracts of *A. littoralis* Parodi seeds consisted of alkaloids, steroids, carbohydrates, tannins and resins. The ethanol and aqueous extracts recorded significant antibacterial activity against the test bacteria whereas chloroform extract inhibited the A431 skin cancer cell line proliferation in a dose-dependent manner. The structural data revealed that the bioactive principle present in the *A. littoralis* Parodi seed is noneoicglycolate with molecular formula C₂₀H₃₄O₄ and was found to be highly cytotoxic at IC₅₀ 81.02 µg/ml against A431 cell line. **Conclusion:** The present study is found to be successful for identifying a lead bioactive molecule from an underutilized plant/weed with significant antibacterial and anticancer/antiproliferative activity.

Keywords: Anticancer; *A. littoralis* seeds; antibacterial



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Bio-functional components of Rohu (*Labeo rohita*) egg sauce produced by enzymatic and fermentation method

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Abstract

Rohu (*Labeo rohita*) egg sauce was produced by enzymatic and fermentative method using optimized conditions. Salt concentration of 20% (w/w), 3% (w/w) commercial papain were used in enzymatic production of sauce. The optimized conditions for fermentative production of sauce were 25% salt (w/w), 7.5% sugar (w/w), 10% (w/v) inoculum (*Pediococcus pentosaceus* FSBP4-40). The sauces produced by enzymatic and fermentative method were stored at room temperature and 37°C, respectively for 180 d. A comparative analysis of bio-functional components of sauce samples for their *in vitro* antioxidant activities and fatty acid composition during fermentation was done. Total antioxidant activity (as ascorbic acid, µg/ml), 2,2'-diphenyl-1-picryl-hydrazyl (DPPH, %), 2,2'-azinobis-3-ethyl-benzothiazoline-6 sulphonate (ABTS, %) and superoxide anion (%) scavenging activities of enzyme treated samples were higher at 2638±696, 61.61±7.3, 71.21±2.1 and 85.11±4.9, respectively; as compared to lactic acid bacteria (LAB) treated samples which showed 1731±152, 37.49±5.3, 52.31±1.8 and 63.09±2.3, for the respective parameters, after 180 days storage. There was around 8% increase in the saturated fatty acid and 10% decrease in unsaturated fatty acid was observed from day-1 to 180 d in treated samples. The trichosonic acid (C23:0) was increased from 2.36% to 9.18% during the fermentation in LAB treated sauce. Eicosapentanoic acid (EPA) and docosahexanoic acid (DHA) concentrations of papain and LAB treated samples were 1.53% & 1.65% and 1.07% & 1.70%, respectively towards the end of fermentation. The study emphasizes the importance of optimized use of enzyme and native LAB for the acceleration of fermentation process to produce biofunctionally superior rohu egg sauce.

Keywords: Rohu egg sauce, Bio-functional, Papain, *Pediococcus pentosaceus*, Antioxidant



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Correlation Of CBC Derivatives And Biochemical Prognostic Marker In Covid-19 Patients

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ABSTRACT

Background:SARS-CoV2 infection induces inflammatory responses and acute lung injury in human beings .Infection causes certain haematological and biochemical changes in patients. This study aimed analyze the correlation between haematological and biochemical prognostic marker in covid-19 .

Methods: Total 80 individuals selected, 50 COVID-19 positive patients and 30 subjects negative for COVID-19 RT-PCR test.Blood collected was sent to NLR,RDW, assayed in Beckman Coulter DxH 800.Serum CRP estimated by Immuno-turbidimetric method, ferritin by CLIA.Plasma collected estimate for D-dimer by CLIA. Unpaired T test & Pearson correlation (IBM SPSS 22.0) were used.

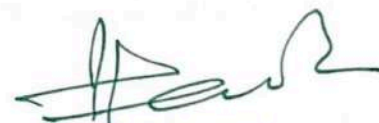
Result: Elevated levels of NLR(p value <0.001), RDW(p value <0.001), ferritin(p value <0.001), D-dimer(p value <0.001), CRP (p value <0.001).In current study the NLR positively correlate to CRP (r value=0.5, p value <0.001),NLR positively correlate to D-dimer(r value=0.3, p value<0.05),RDW positively correlated to CRP (r value=,0.3,p value <0.05),RDW negatively correlated to ferritin (r value=-0.439, p value <0.001).

Conclusion: The cytokine storm produced during covid-19 infection which inturn develop neutrophilia and lymphopenia ,CRP production and also cause elevation of procoagulants &D-dimer . RDW and CRP are positively correlated they are elevated during inflammatory conditions.RDW and ferritin show negative correlation. Retrospective study have some limitation so future studies will reveal more information

Keywords: neutrophil lymphocyte ratio, red cell distribution width, C-reactive protein, ferritin, D-dimer.

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Pharmacognostic, Phytochemical and Nutritional Profile of *Moringa concanensis* leaves

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ABSTRACT:

The moringa genus has wide varieties cultivated worldwide; out of which only two species are cultivated in india i.e. *Moringa oleifera* and *Moringa concanensis*. *Moringa oleifera* was tested in all the aspects like; standardization parameters of plant and their pharmacological activities. *Moringa concanensis* Nimmo (Moringaceae) is a traditional medicinal plant, distributed in tropical deciduous forests of India. The standardization parameters play a vital role in quality assessment of plant material. Due to lack of standardization parameters the adulterants are passed as genuine drug. This plant has an impressive medicinal use along with a good nutritional value. The present investigation provides research regarding standardization parameters as well as phytochemical constituents of *M. concanensis*. The plant is not edible due to its bitter taste but it has variety of phytochemical constituents as well as it is nutritionally rich. This investigation further helps to develop the formulations having medicinal activity as well as nutritional values.

KEYWORDS: Pharmacognosy, Phytochemistry, Proximate analysis, Nutritional profile, *Moringa concanensis*.



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ASSOCIATION BETWEEN SERUM ALPHA-FETOPROTEIN LEVEL AND LIVER FUNCTION PARAMETERS IN HEPATOCELLULAR CARCINOMA PATIENTS: A CASE-CONTROL STUDY

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ABSTRACT

Background: Hepatocellular carcinoma (HCC) is the most common type of primary liver cancer occurs in people with liver diseases like chronic hepatitis B and hepatitis C virus. Early diagnosis and monitoring of HCC is possible with the help of tumor marker AFP. The aim of the study was to assess whether AFP level is associated with selected liver function tests in hepatocellular carcinoma patients.

Method: Total 90 individuals are selected, 50 HCC patients with AFP >20ng/ml and 40 subjects (normal LFT and AFP value <10ng/ml) with an age between 40-70. Serum is used for analysis of AFP, SGOT, SGPT, ALP by Maglumi 1000 and Siemen biochemistry analyzer (using principle Chemiluminescence immunoassay) respectively. Unpaired T test (IBM SPSS 22.0) were used.

Result: Elevated levels of AFP (p value <0.05), SGOT (p value < 0.001), SGPT (p value < 0.001), ALP (p value < 0.001) shows statistical significance within study population and also indicated the risk of developing HCC with respect to AFP level in liver disease patients with elevated LFT parameters.

Conclusion: From the study, it is concluded that LFT and AFP are comparatively elevated in HCC. Treatment is usually not possible with advanced HCC due to failure of not doing proper screening at appropriate time. Early diagnosis and monitoring of HCC are possible with the help of tumor marker AFP.

Keywords: Alpha-fetoprotein, Aspartate transaminase, Alanine transaminase, Tumor marker.

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Micropropagation of an Endangered Epiphytic orchid *Dendrobium crepidatum* Lindl. & Paxton through the induction of Embryogenic callus.

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Abstract

Dendrobium crepidatum is an epiphytic orchid that grows in shady areas of Western ghats. It is highly valued for its beautiful flowers and potted plant. This species now became endangered due to habitat loss and over collection. An efficient in vitro regeneration protocol through the induction of embryogenic callus (EC) was established in *D. crepidatum*. The frequency of EC significantly relied on the concentrations of plant growth regulators (PGRs) used. The aseptically grown protocorm like bodies (PLBs) were longitudinally bisected (IPLBs) and cultured on Murashige and Skoog (MS) medium with 2% sucrose, fortified with PGRs such 6-Benzyl amino purine (BAP), Thidiazuron (TDZ) and α -Naphthalene acetic acid (NAA) singly or in combinations. Of the three PGRs tested, TDZ (1.5 mg l^{-1}) induced the highest frequency (57%) of EC, followed by BAP (1.0 mg l^{-1}) gave 46% of EC after 7 weeks of culture. Further to enhance the frequency of EC the IPLB explants were cultured on the combinations of TDZ (1.5 mg l^{-1}) with NAA (0.5 mg l^{-1}) and BAP (1.0 mg l^{-1}) with NAA (0.5 mg l^{-1}) induced 71% and 63% of EC respectively after 6 weeks of culture. The obtained EC was sub-cultured on to the same medium for the regeneration of plantlets. In the combination of TDZ (1.5 mg l^{-1}) with NAA (0.5 mg l^{-1}) the regeneration of plantlets was very high (91%). Almost 90% of well-developed plantlets were successfully acclimatized and established ex-vitro.

Key words: *Dendrobium*, embryogenic callus, plant growth regulators, in vitro, protocorm like bodies



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Abstract: *Acorus calamus* as herbal nutraceutical for healthy brain- A novel therapeutic approach for neurological disorder induced wistar rats.

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Background: *Acorus calamus/VACHA*, is used as herbal tonic to rejuvenate brain. In Indian system of traditional medicine, rhizome part of *A.calamus* is given to newborn for better development. Animal models are created to study the pathological changes of brain in neuropsychiatric disorder and to assess the effects of *A.calamus* on central nervous system.

Methodology: Wistar rats were exposed to sodium valporate during 12th day of embryonic period to induce neurological disorder. Rat offsprings those not exposed to sodium valporate acted as Negative controls- group I. Valporate exposed offsprings were divided into two groups, Group II- Positive controls without treatment, Group III: treated with *Acorus calamus* from 21st postnatal day for 15 days. At 36th PND, rats were sacrificed and brain sample was collected. Biochemical analysis- Inflammatory markers, Anti-oxidant profile in hippocampus was studied. Histopathological analysis of cerebellum was done. Statistical analysis was done by using One way ANOVA – Dunnett post hoc test.

Results: Inflammatory markers TNF alpha and IL 6 were elevated in group II and *A.calamus* treated group showed reduced level when compared to group II. Antioxidant levels also improved in *A.calamus* treated group. Number of purkinji cells which was reduced in group II was better in group III. These results were statistically significant ($p < 0.05$).

Conclusion: *A.calamus* can be a better nutraceutical, which not only act as brain rejuvenator and also reverse the neuropathological changes among valporate exposed rats.



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Virtual Screening for Potential Phytobioactives as Therapeutic Leads to Inhibit NQO1 for Selective Anticancer Therapy


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Abstract:

NAD(P)H:quinone acceptor oxidoreductase-1 (NQO1) is a ubiquitous flavin adenine dinucleotide-dependent flavoprotein that promotes obligatory two-electron reductions of quinones, quinonimines, nitroaromatics, and azo dyes. NQO1 is a multifunctional antioxidant enzyme whose expression and deletion are linked to reduced and increased oxidative stress susceptibilities. NQO1 acts as both a tumor suppressor and tumor promoter; thus, the inhibition of NQO1 results in less tumor burden. In addition, the high expression of NQO1 is associated with a shorter survival time of cancer patients. Inhibiting NQO1 also enables certain anticancer agents to evade the detoxification process. In this study, a series of phytobioactives were screened based on their chemical classes such as coumarins, flavonoids, and triterpenoids for their action on NQO1. The in silico evaluations were conducted using PyRx virtual screening tools, where the flavone compound, Orientin showed a better binding affinity score of -8.18 when compared with standard inhibitor Dicumarol with favorable ADME properties. An MD simulation study found that the Orientin binding to NQO1 away from the substrate-binding site induces a potential conformational change in the substrate-binding site, thereby inhibiting substrate accessibility towards the FAD-binding domain. Furthermore, with this computational approach we are offering a scope for validation of the new therapeutic components for their in vitro and in vivo efficacy against NQO1.


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Anticoagulant Serine Protease from Sprouted *Trigonella foenum-graecum* Seed Extract

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Abstract

Germinating seeds contain several groups of proteases that have been implicated in seed germination. The major function of the proteases is to help in degradation and mobilization of storage proteins. The germinating seeds rich in active enzymes, especially proteases have been used in therapeutic and as anti-aging diet components.

This study aimed to study the role of serine protease purified from sprouted *Trigonella foenum-graecum* seed extract in hemostasis and platelet aggregation. The serine protease has been purified by two step purification using sephadex G-75 and CM-sephadex C-50 column chromatography. SDS-PAGE, reversed phase HPLC and MALDI-TOF mass spectrometry confirmed the homogeneity and purity of the purified protease. The protease was assayed using fat free casein and gelatine as substrate. Among protease inhibitors EDTA, 1,10-phenanthroline, aprotinin, E-64 and pepstatin-A, aprotinin inactivated the enzyme irreversibly indicating the serine type of protease. The protease hydrolysed fibrinogen in a dose dependent manner. The protease was evaluated for effect on blood coagulation both *in vitro* and *in vivo* studies. The protease showed strong anticoagulant activity in studied methods of prothrombin time (PT) and recalcification time (RT). *In vivo* study using mouse model the protease exhibited anticoagulant activity in tail bleeding assay increasing the bleeding time from 2.4 min to 8.4 min. The protease further evaluated for its effect on platelet aggregation. The protease inhibited the platelet aggregation significantly when collagen and ADP used as agonists. Thus a serine protease has been purified and evaluated for its effect on coagulation and platelet aggregation. The protease can be studied further for its therapeutic potential.



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ASSOCIATION OF ADIPOKINE GENE POLYMORPHISM AND SERUM ADIPOKINE LEVELS IN PREDIABETIC NORTH KERALA POPULATION

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Background: Prediabetes is a state of impaired glucose tolerance (IGT) and impaired fasting glycemia (IFG). Studies are showing the link between genetic variations of the adipokine gene and prediabetes, a condition that puts people at greater risk of developing type 2 diabetes (T2DM). The present study hypothesizes that the adiposity or their related complications in prediabetes cause significant changes in adipokines level.

Aim: To evaluate the association of adipokine single nucleotide gene polymorphism (SNP) and the plasma levels of adipokines in prediabetes individuals in the north Kerala population.

Materials and methods: A case-control study conducted in Aster Mims Hospital, Kerala with 150 prediabetes subjects (40 obese and 110 non-obese) and 150 controls; age group between 30-50 of both sexes. A 2-hours oral glucose tolerance test (OGTT) performed to rule out prediabetes. From the EDTA whole blood sample, DNA extracted. The single nucleotide polymorphism of adiponectin (ADIPOQ-rs266729), leptin (LEP2548- rs7799039), and resistin (RETN420- rs1862513) assessed by Real-Time PCR. The genotyping result for each SNP marker verified using DNA sequencing. The plasma adipokines estimated by ELISA.

Result: There was a significant association between adiponectin level, leptin level, and gene polymorphism of ADIPOQ 11377(C>G) ($\chi^2=16.84$), LEP2548 (G>A) ($\chi^2=7.725$) in the non-obese prediabetic group, and no significant association between resistin level and RETN 420 polymorphism ($\chi^2=12.46$). There was a significant association between adiponectin level, leptin level, and gene polymorphism of ADIPOQ 11377(C>G) ($\chi^2=12.46$), LEP2548 (G>A) ($\chi^2=6.97$) in the obese prediabetic group, and no significant association between resistin level and RETN 420 polymorphism ($\chi^2=1$). The association of all genotype and allele polymorphism of adiponectin and leptin was found highly statistically significant, whereas none of the resistin showed any significant association.

Conclusion: findings show that plasma adiponectin levels and ADIPOQrs266729C>G polymorphism, plasma leptin levels and LEP2548- rs7799039 G>A polymorphism are associated which may contribute to the genetic risk of prediabetes. Thus useful in the genetic screening for prediabetes.

Keywords: prediabetes, adipokine polymorphism, ELISA, PCR


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63	Monisha Diwakar	Mrs	Female	Student	Mmk and sdm women's college	Microbiology	Karnataka	India	7892628580
64	Sneha HS	Ms	Female	Student	MMK and SDM	BMBt	Karnataka	India	9900939182


PRINCIPAL

MMK & SDM Mahila Mahavidyalaya
Krish: amurthypuram, Mysore-570 004

65	Ananya.K.R	Ms	Female	Student	MMK and SDM Women's college ,Mysore	Microbiology	Karnataka	India	7349327286
66	Sih Sathish m.s	Ms	Female	Student	Mmk and sdm mahila maha vidyalaya	Microbiology	Karnataka	India	6366634955
67	Jagruthi Jain	Ms	Female	Student	MMK and SDM mysore	Microbiology	Karnataka	India	6360196440
68	Priyanka pradhan	Ms	Female	Student	SDM and MMK mahila maha vidyalaya	Microbiology	Karnataka	India	6362189065
69	Chaitra.s	Ms	Female	Student	MMK and SDM MMV, mysuru	Microbiology	Karnataka	India	9663787241
70	Usha M	Ms	Female	Student	Ist BtBM [Bsc]	Department of life science	Karnataka	India	9606540483
71	Nandini C	Ms	Female	Student	MMK and SDM MMV,mysore.	Bsc (BMBt)	Karnataka	India	7795491846
72	Sonu.c	Ms	Female	Student	MMK and SDM MMV	1st Bsc BMBt	Karnataka	India	8105688058
73	Sahana P	Ms	Female	Student	MMK and SDM mmv college	1st Bsc BMBt	KARNAT AKA	India	9108921844
74	Trupthi N	Ms	Female	Student	MMK and SDM	BMBT	Karnataka	India	6363477276
75	Bhoomika Jain	Ms	Female	Student	MMK AND SDM MAHILA MAHA VIDYALAYA	MICROBIOL OGY	KARNAT AKA	INDIA	8951763425
76	Chaithanya A P	Ms	Female	Student	MMK and SDM MMV	Microbiology	Karnataka	India	6364512141
77	Dr. Ashok Pyati	Dr	Male	Delegate	Maharani's Science College for Women, JLB road, Mysore	PG Botany	Karnataka	India	7204661365
78	Keerthana.b.n	Ms	Female	Student	Mmk and sdm mmv	Microbiology	Karnataka	India	8197938030
79	Deeksha. B. J	Ms	Female	Student	Mmk and sdm, mmv mysore	Microbiology	Karnataka	India	8867544029
80	BINEESH C P	Mr.	Male	Research Scholar	Lovely professional university punjab	Medical laboratory science	Punjab	India	9656288781
81	Mahimashree.B	Ms	Female	Student	Sdm mmk and mmv	Bsc BMBT	Karnataka	India	9481186512


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MMK & SDM Mahila Mahavidyalaya
 Krishna murthypuram, Mysore-570 004

82	Vanitha PR	Mrs	Female	Delegate	Maharani's Science college for women, Mysuru	Microbiology	Karnataka	India	9342062450
83	Ranjitha.R	Ms	Female	Student	MMK AND SDM MMV MYSORE	microbiology	Karnataka	India	6360546140
84	Kavitha R	Dr	Female	Delegate	MMK & SDM College, Mysore	Biotechnology	Karnataka	India	9611173161
85	Risha Bopanna C	Ms	Female	Student	MMK and SDM Mahila Mahavidyalaya	Bsc BMBt	Karnataka	India	9901705320
86	Bhavana SD	Ms	Female	Student	SDM and MMK	Microbiology	Karnataka	India	9353475003
87	M.Seema	Dr	Female	Delegate	JSS College,Ooty Road,Mysuru-25	Microbiology	Karnataka	INDIA	9481823003
88	Monisha s gowda	Ms	Female	Student	MMK and SDM mahila maha vidyalaya	Microbiology	Karnataka	India	9916710437
89	Ananya.s	Ms	Female	Student	Mmk and sdm clg	Microbiology	Karnataka	India	8050642988
90	Nisha Varshini. V	Ms	Female	Student	MMK and SDM Mahila Maha Vidyalaya,Mysuru	BMBt	Karnataka	India	8792453447
91	Vikas Halasumane Swamy	Mr.	Male	Research Scholar	JSS Academy of Higher Education and Research	Biochemistry	Karnataka	India	+919481582765
92	Kumudini HD	Mrs	Female	Student	Mmk and sdm	Microbiology	KARNAT AKA	India	9353015898
93	Vandana B Patel	Dr	Female	Delegate	Gujarat Technological University	Quality Assurance	Gujarat	India	9998107289
94	Namratha Pai K	Dr	Female	Delegate	Welcomgroup Graduate School of Hotel Administration, MAHE	Dietetics and Applied Nutrition	Karnataka	India	9738364472
95	P. Radhika	Mrs	Female	Assistant Professor	Sbr Mahajana First Grade College, Mysore	Biochemistry	Karnataka	India	9986585574
96	Louisena Vinoth Priya L	Ms	Female	Faculty	Sri Bhagawan Mahaveer Jain First Grade College KGF	Life Sciences	Karnataka	India	959711966
97	Navyashree. B.	Ms	Female	Student	MMK and SDM Mahila Maha	Microbiology	Karnataka	India	6362413939



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MMK & SDM Mahila Mahavidyalaya
Krishnamurthypuram, Mysore-570 004

	A				Vidyalaya, Mysuru				
98	Wethroe Kapfo	Dr	Female	Delegate	MMK&SDM Mahila Maha Vidyalaya	Biochemistry	Karnataka	India	9986781441
99	Jiju janardhanan	Mr.	Male	Research Scholar	Cooperative institute of health sciences	Medical microbiology	Kerala	India	9895391612
100	Kusuma N	Ms	Female	Student	SDM & MMK COLLEGE ,MYSORE	MICROBIOLOGY	KARNATAKA	INDIA	7090690186
101	Mahalakshmi gajjala	Ms	Female	Student	Recent Research and innovations in life science 2022	systems biology	Andhra pradesh	India	7288929722
102	Chandrashekhar G Joshi	Dr	Male	Delegate	Mangalore University	Biochemistry	Karnataka	India	9448446641
103	THOYAJAKS HI. R. S	Mrs	Female	Research Scholar	Tumkur University, Tumakuru	Department Of Studies & Studies In Biotechnology	KARNATAKA	INDIA	9986989901
104	Kavitha U	Mrs	Female	Research Scholar	Meenakshi medical college hospital & research institute	Physiology	Tamil Nadu	India	8903638005
105	Durvesh Syeda Afreen Taj	Ms	Female	Student	Tumkur University college of Science Tumkur	MICROBIOLOGY	KARNATAKA	INDIA	8861834048
106	Deekshita S	Ms	Female	Student	University college of Science Tumkur	MICROBIOLOGY	KARNATAKA	INDIA	7795648384
107	MILLENY NY	Ms	Female	Student	Tumkur University College of science , Tumkuru	Microbiology	Karnataka	India	9606423480
108	Chandana H.T	Mrs	Female	Student	University College of Science Tumkur	Microbiology	Karnataka	India	9380279488
109	Nagashree.KS	Ms	Female	Student	University college of science, Tumkur	Microbiology	Karnataka	India	8088388283
110	Bindushree S	Ms	Female	Student	University of science Tumkur	Microbiology	Karnataka	India	6363261631
111	RAGHAVEND RA M.P.	Dr	Male	Delegate	Maharani's Science College for Women (Autonomous)	Postgraduate Department of Microbiology	Karnataka	India	9844037008


PRINCIPAL

MMK & SDM Mahila Mahavidyalaya,
Krlsh: amurthy puram, Mysore-570 004

112	Rabiya Parveen	Ms	Female	Student	Tumkur University college of science	Microbiology	Karnataka	India	7349556650
113	Shabeena anjum	Mrs	Female	Delegate	Tumkur university	Microbiology	Karnataka	India	9902907753
114	Thara N K	Mrs	Female	Research Scholar	Maharanis Science college for women's Mysore	Department of Microbiology	karnataka	India	9986498353
115	Sheema sadiya	Ms	Female	Student	Tumkur university college of science	Microbiology	Karnataka	India	9972178422
116	Seema banu	Ms	Female	Student	Tumkure University college og science	Microbiology	Karnataka	India	8050241586
117	Sreedhanya.U	Ms	Female	Student	Co-Operative institute of health science	medical biochemistry	kerala	India	9633440584
118	Shreesha. N. S	Mrs	Female	Student	Webinar	Microbiology	Karnataka	India	7349328978
119	Kavitha GC	Ms	Female	Delegate	Davangere University	Biotechnology	Karnataka	India	7259576586
120	Sahana N Bhat	Ms	Female	Student	SDM AND MMK	Lifescience	Karnataka	India	9066168107
121	Ashish Kumar Singh	Mr.	Male	Research Scholar	University of Hyderabad	Biochemistry	Telangana	India	9949690022
122	Abhay Kumar	Mr.	Male	Research Scholar	DELHI INSTITUTE OF PHARMACEUTICAL RESEARCH AND SCIENCE	Pharmaceutic al chemistry	New Delhi	India	7270090457
123	Vipul Kumar	Mr.	Male	Student	DIPSAR,DELHI	Pharmaceutic al Chemistry	New Delhi	India	9572767198
124	Vasunitha. C	Ms	Female	Student	MMK and SDM MMV	Microbiology	Karnataka	India	8197227116
125	Meghana naganna	Ms	Female	Student	Mmk and sdm mmv college	Microbiology ,biochemistry, biotechnology	Karnataka	India	6360334015
126	Spandana B S	Ms	Female	Student	1st year BSc	1st year BSc BTBM	Karnataka	India	7090021668
127	SAPNA B	Dr	Female	Delegate	TERESIAN COLLEGE	Botany	Karnataka	India	9945100494


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Krishna Murthy, Mysore-570 004

128	G Deekshitha	Mrs	Female	Student	MMK SDM and MMV MYSURU	Microbiology	Karnataka	INDIA	9448343173
129	Kiran B L	Mr.	Male	Delegate	JSSCACS, Ooty road, Mysore	Botany	Karnataka	Mysore	9632819347
130	Pooja N	Mrs	Female	Research Scholar	JSSCACS, Ooty road, Mysuru	Botany	Karnataka	India	9844210414
131	Spoorthy H P	Dr	Female	Asst. Professor	JSSCACS, Ooty road, Mysuru	Microbiology	Karnataka	India	9964835501



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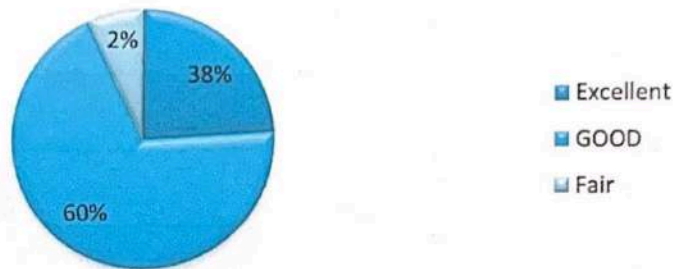
MMK & SDM Mahila Mahavidyalaya
Krish: amurthypuram, Mysore-570 004

FEED BACK- day 1

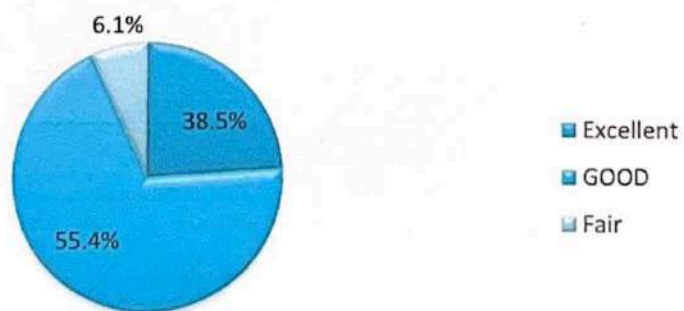
How was Keynote Presentation



Technical session 1



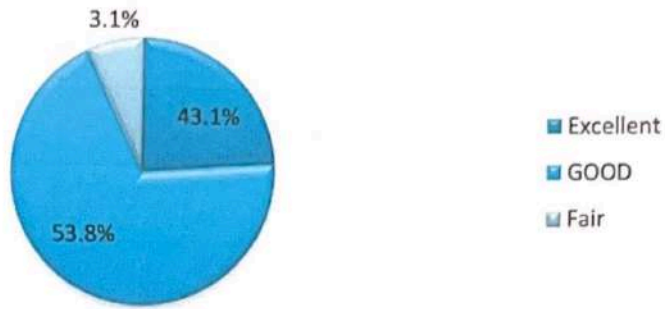
Technical session 2



PRINCIPAL

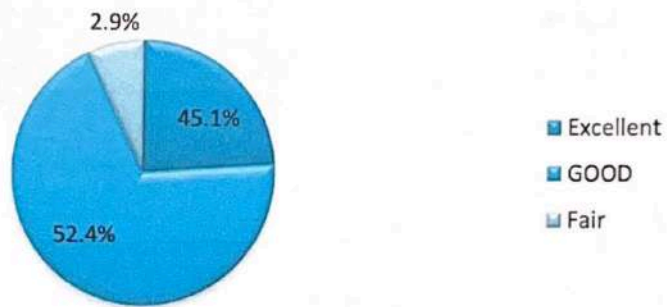
MMK & SDM Mahila Mahavidyalaya
Krishnamurthypuram, Mysore-570 004

how accurate was the session

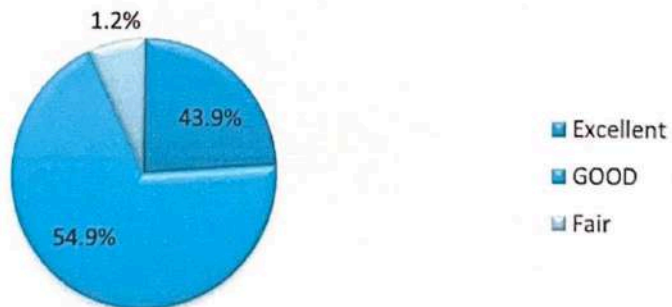



DAY 2

Technical session 3

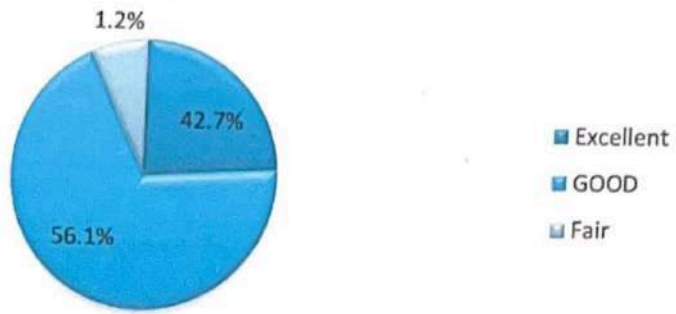


Technical session 4

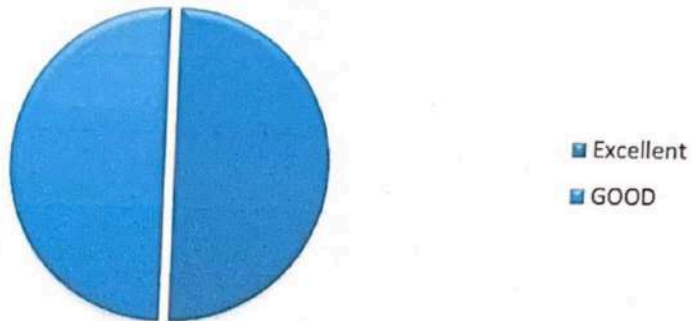



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Technical session 5



Overall Experience



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MMK & SDM MAHILA MAHA VIDYALAYA
Krishnamurthypuram, Mysuru-570004
Managed by: SDM Educational Society @, Ujire
President: Padmavibhushana Dr. D. Veerendra Heggade

APSE
Only Research Nothing Else

Vision : Empowerment of Women to build an Enlightened society
Department of Microbiology & IQAC

In Collaboration with
Association of Pharmaceutical Scientists and Educators (APSE)

Organised
2 Days International E-Conference

on

“Recent Research and Innovations in Life Science 2022- Nutraceuticals in Healthy Ageing”
Date: 3rd & 4th February 2022

Certificate of Presentation

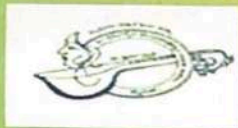
PRINCIPAL
MMK & SDM Mahila Mahavidyalaya
Krishnamurthypuram, Mysuru-570 004

This is to certify that **Ashish Kumar Singh** has presented a poster on “Advanced glycated end-products activate NOTCH signalling in Podocytes: Implications in Diabetic Nephropathy” and won the **Best Promising Researcher** in the **International E-Conference on “Recent Research and Innovations in Life Science 2022 - Nutraceuticals in Healthy Ageing”** held at MMK & SDM MMV On 3rd & 4th February 2022

Mrs. Atiya Sameen M P
Organising Secretary

Prof. Sainath Malligemadu
Principal

Dr. Hanumanthachar Joshi
Secretary, APSE



MMK & SDM MAHILA MAHA VIDYALAYA

Krishnamurthypuram, Mysuru-570004

Managed by: SDM Educational Society ®, Ujire

President: Padmavibhushana Dr. D. Veerendra Heggade

Vision : Empowerment of Women to build an Enlightened society

Department of Microbiology & IQAC

In Collaboration with

Association of Pharmaceutical Scientists and Educators (APSE)

Organised

2 Days International E-Conference

on


“Recent Research and Innovations in Life Science 2022- Nutraceuticals in Healthy Ageing”


Date: 3rd & 4th February 2022


Certificate of Presentation


PRINCIPAL
MMK & SDM Mahila Mahavidyalaya
Krishnamurthypuram, Mysuru-570 004

This is to certify that **Dr. Ashok N. Pyati** has presented a poster on “Micropropagation of an Endangered Epiphytic orchid *Dendrobium crepidatum* Lindl. & Paxton through the induction of Embryogenic callus” and won the **Best Promising Researcher** in the **International E-Conference on “Recent Research and Innovations in Life Science 2022 - Nutraceuticals in Healthy Ageing”** held at MMK & SDM MMV On 3rd & 4th February 2022


Mrs. Atiya Sameen M P
Organising Secretary


Prof. Sainath Malligemadu
Principal


Dr. Hanumanthachar Joshi
Secretary, APSE



MMK & SDM MAHILA MAHA VIDYALAYA

Krishnamurthypuram, Mysuru-570004

Managed by: SDM Educational Society @, Ujire

President: Padmavibhushana Dr. D. Veerendra Heggade

Vision : Empowerment of Women to build an Enlightened society

Department of Microbiology & IQAC

In Collaboration with

Association of Pharmaceutical Scientists and Educators (APSE)

Organised

2 Days International E-Conference

on

“Recent Research and Innovations in Life Science 2022- Nutraceuticals in Healthy Ageing”

Date: 3rd & 4th February 2022

Certificate of Presentation

PRINCIPAL
MMK & SDM Mahila Mahavidyalaya
Krishnamurthypuram, Mysuru-570

This is to certify that **Dr. Raghavendra M P** has presented a poster on “Noneoicglycolate of *Aristolochia littoralis* Parodi seeds with antibacterial activity inhibits cell growth and induces apoptosis in A431 melanoma cells” and won the **Best Research Poster** in the **International E-Conference on “Recent Research and Innovations in Life Science 2022 - Nutraceuticals in Healthy Ageing”** held at **MMK & SDM MMV** On 3rd & 4th February 2022

Mrs. Atiya Sameen M P
Organising Secretary

Prof. Sainath Malligemadu
Principal

Dr. Hanumanthachar Joshi
Secretary, APSE

List of Poster Presenters for Two Days International E Conference on "Recent Research and innovations in life Science 2022-Nutraceuticals in Healthy Agening"

Sl.no	Name of the Participant	Title of the presentation
1	Poornima.R.Varma	Correlation Of CBC Derivatives And Biochemical Prognostic Marker In Covid-19 Patients
2	Rashmi Hosamani	Microbial quality of raw milk in different regions of Tumkur
3	Shabeena Anjum.K.S	Isolation and identification of microorganisms associated with surface of the milk packets
4	Thara N.K <i>Raghavendra</i>	Noneoicglycolate of <i>Aristolochia littoralis</i> Parodi seeds with antibacterial activity inhibits cell growth and induces apoptosis in A431 melanoma cells
5	Siddegowda G. S.	Bio-functional components of Rohu (<i>Labeo rohita</i>) egg sauce produced by enzymatic and fermentation method
6	Bineesh C P	Association Of Adipokine Gene Polymorphism And Serum Adipokine Levels In Prediabetic North Kerala Population
7	Sivani	Correlation Of CBC Derivatives And Biochemical Prognostic Marker In Covid-19 Patients
8	Tanvi Dodiya	Pharmacognostic, Phytochemical and Nutritional Profile of <i>Moringa concanensis</i> leaves
9	Ashok N. Pyati	Micropropagation of an Endangered Epiphytic orchid <i>Dendrobium crepidatum</i> Lindl. & Paxton through the induction of Embryogenic callus.
10	<u>Kavitha.U</u>	<i>Acorus calamus</i> as herbal nutraceutical for healthy brain- A novel therapeutic approach for neurological disorder induced wistar rats.
11	Thoyajakshi R S	Anticoagulant Serine Protease from Sprouted <i>Trigonella foenum-graecum</i> Seed Extract
12	<u>Vikas Halasumane Swamy</u>	Virtual Screening for Potential Phytobioactives as Therapeutic Leads to Inhibit NQO1 for Selective Anticancer Therapy

[Signature]
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Krisht amurthypuram, Mysore-570 004

13	Sreedhanya. U	Association between serum alpha-fetoprotein level and liver function parameters in hepatocellular carcinoma patients: a case-control study
14	Ashish Kumar Singh	Advanced glycated end-products activate notch signalling in podocytes: Implications in diabetic nephropathy.



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Krishnamurthypuram, Mysore-570 004



SDM MMK Mahila Maha Vidyalaya <principal@sdmmmkmysore.in>

Invitation for 2 Days International E Conference- Resource person RegSDM MMK Mahila Maha Vidyalaya <principal@sdmmmkmysore.in>
To: smunchinnaya@gmail.com

Fri, Jan 28, 2022 at 12:12 PM

Cc: muthuraman8@gmail.com

Bcc: npurwitasari@gmail.com, ameenayas2013@gmail.com, mparle@rediffmail.com

Respected Sir/Madam,

SDM & MMK MMV established in the year 1990 & is managed by SDM Educational Society ®, Ujire, Karnataka. The students of the institution brought several laurels in various academics and extracurricular activities. This institution has got good rank in India Today Ranking, and it has been participating in NIRF ranking and got good factors in some criterias. Recently NAAC accredited B grade with a CGPA of 2.48.

With due respect, I would like to invite you for an **International E- Conference on "Recent Research and Innovation in Life Science 2022- Nutraceuticals in Healthy Ageing"** organised by the Department of Microbiology of our college in collaboration with Association of Pharmaceutical Scientists and Educators (APSE) on 3rd & 4th February 2022. The Conference will be Inaugurated by Prof S R Nirajan, Former V C , Gulbarga University, and Dr Hanumanthachar Joshi, Principal ,Sharada Pharmaceutical college, Mysore will be the Guest Honour on the occasion. It is a great privilege to have you among us as a Resource Person. The invitation and program sheet of the conference have been attached herewith.

In anticipation of your favorable reply.

With regards,

Prof. Sainath Malligemadu
Principal,
SDM MMK Mahila Maha Vidhyalaya,
Mysore 570004
9886166750
0821-2332865
www.sdmmmkmysore.in
"Empowerment of women to build an enlightened society"

2 attachments **Brochure.pdf**
201K **programme schedule.pdf**
756K
PRINCIPAL
MMK & SDM Mahila Mahavidyalaya
Krishna amurthypuram, Mysore-570 004



SDM MMK Mahila Maha Vidyalaya <principal@sdmmmkmysore.in>

Inviting to be the Collaborator and Guest of Honour for organizing an International Conference- Regarding

SDM MMK Mahila Maha Vidyalaya <principal@sdmmmkmysore.in>

Fri, Jan 28, 2022 at 12:13 PM

To: amanjoshi17@yahoo.com

Cc: mysorevcp@gmail.com

Bcc: Malligemadu Sainath <saisdmlaw@gmail.com>

Respected Sir,

SDM & MMK MMV established in the year 1990 & is managed by SDM Educational Society ®, Ujire, Karnataka. The students of the institution brought several laurels in various academics and extracurricular activities. This institution NAAC Accredited with B Grade, has got good rank in India Today Ranking, and it has been participating in NIRF ranking and got good factors in some criterias.

With regard to the above subject, we are happy to bring to your kind consideration that from the past two consecutive years we have organized the International Conference on "Recent Research and Innovations in Life Science", on different themes, and in this third year organizing conference on the same subject with the theme Nutraceuticals in Healthy Ageing. Since Research is a continuous creative and systematic work, we are interested in organizing the Conference on 3rd and 4th February 2022. As we know Association of Pharmaceutical Scientists and Educators (APSE) is also contributing to these types of activities, we are happy to collaborate with APSE to organize this Conference.

Hence we request your good selves to accept our invitation to be the organizer & participate in the inauguration function as Guest of Honour of this year's Conference 2022. Prof S R Niranjan, Former V C, Gulbarga University, has kindly consented to inaugurate the function at 10.00am on 3rd February 2022 .

The invitation and program sheet attached herewith

We will be looking forward for your positive response

With Best Regards

Prof. Sainath Malligemadu

Principal,
SDM MMK Mahila Maha Vidhyalaya,
Mysore 570004
9886166750
0821-2332865

www.sdmmmkmysore.in


"Empowerment of women to build an enlightened society"

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MMK & SDM Mahila Mahavidyalaya
Krlsh. amurthypuram, Mysore-570 004

2 attachments

Brochure.pdf
201K

 programme schedule.pdf
756K



SDM MMK Mahila Maha Vidyalaya <principal@sdmmmkmysore.in>

inviting to be the Inaugurator and Key note speaker for the two days National Conference

SDM MMK Mahila Maha Vidyalaya <principal@sdmmmkmysore.in>
To: Niranjana <niranjanasr@rediffmail.com>
Bcc: Malligemadu Sainath <saisdmlaw@gmail.com>

Fri, Jan 28, 2022 at 12:10 PM

Respected Sir,
Greetings of the day!

SDM & MMK Mahila Maha Vidyalaya, Mysore, is managed by SDMEducational Society®, Ujire, Karnataka. The students of the institution have brought several laurels in various academics and extracurricular activities and we have been participating in NIRF, India Today, Times of India Rankings. Recently this college has been accredited with a B Grade by NAAC.

In the process of actualising our vision "Empowerment of women to build an enlightened society", college has been conducting numerous programs for the benefit of students, teachers and others.

We are happy to bring to your kind notice that from the past two consecutive years we have, organized the International Conferences on "Recent Research and Innovations in Life Science" on different themes, and in this third year, organizing a conference on the same subject, the theme will be "Nutraceuticals in Healthy Ageing". We are happy to inform you that The Association of Pharmaceutical Scientists and Educators (APSE) has kindly consented to associate with us.

Research is a continuous Creative and Systematic work wherein we will be updating various types of developments which are taking place in the field of Life Science to the students and Researchers. And being aware that research is your passion, we are enthused with your consent to Inaugurate & deliver Keynote address for 2 Days International E Conference on 3-2-2022 at 10am in our college auditorium. It is a great privilege and honor for us and a rewarding opportunity for our students.

Attached herewith are brochure, Invitation and the program sheet of the conference.

Kind request to accept our invitation and participate in the program
with respect and regards,

Prof. Sainath Malligemadu
Principal,
SDM MMK Mahila Maha Vidhyalaya,
Mysore 570004
9886166750
0821-2332865
www.sdmmmkmysore.in

"Empowerment of women to build an enlightened society"

PRINCIPAL

MMK & SDM Mahila Mahavidyalaya
Krishi amurthypuram, Mysore-570 004.

2 attachments

programme schedule.pdf
756K

Brochure.pdf

II OM SHRI MANJUNATHAYA NAMAHA II
Mysore Makkala Koota &
SHRI DHARMASTHALA MANJUNATHESHWARA MAHILA MAHAVIDYALAYA
(Affiliated to University of Mysuru)
Krishnamurthypuram, Mysuru- 570004

Principal : 0821 - 2330039

Mob : 9886166750

Off : 0821 - 2332865

Fax : 0821 - 2331431

Website : www.sdmmmkmysore.in
Email : principal@sdmmmkmysore.in, sai_malligemadu@sdmmmkmysore.in

(Managed by : SDME SOCIETY (R.), Ujire)
PRESIDENT : Dr. D. VEERENDRA HEGGADE, Shri Kshetra Dharmasthala

Sainath Malligemadu
Principal

Office of the Principal

Ref. No.: MMK & SDM / MMV / / 20__20__

Date :

To,

Prof. S.R. Niranjana
Former Vice Chancellor, Gulbarga University
Karnataka Distinguished Professor (Life-Long), UGC -BSR
Faculty Fellow DOS in Biotechnology, UOM

Respected Sir,

SDM & MMK Mahila Maha Vidyalaya, Mysore, is managed by SDMEducational Society @, Ujire, Karnataka. The students of the institution have brought several laurels in various academics and extracurricular activities and we have been participating in NIRF, India Today, Times of India Rankings. Recently this college has been accredited with a B Grade by NAAC.

In the process of actualising our vision "Empowerment of women to build an enlightened society", college has been conducting numerous programs for the benefit of students, teachers and others.

We are happy to bring to your kind notice that from the past two consecutive years we have, organized the International Conferences on "Recent Research and Innovations in Life Science" on different themes, and in this third year, organizing a conference on the same subject, the theme will be "Nutraceuticals in Healthy Ageing". We are happy to inform you that The Association of Pharmaceutical Scientists and Educators (APSE) has kindly consented to associate with us.

Research is a continuous Creative and Systematic work wherein we will be updating various types of developments which are taking place in the field of Life Science to the students and Researchers. And being aware that research is your passion, we are enthused with your consent to Inaugurate & deliver Keynote address for 2 Days International E Conference on 3-2-2022 at 10am in our college auditorium. It is a great privilege and honor for us and a rewarding opportunity for our students.

Attached herewith are brochure, Invitation and the program sheet of the conference.

Kind request to accept our invitation and participate in the program.

with respect and regards,



201K



SDM MMK Mahila Maha Vidyalaya <principal@sdmmmkmysore.in>

Invitation for 2 Days International E Conference- Resource person Reg

Prof. Milind Parle <mparle@rediffmail.com>

To: principal@sdmmmkmysore.in

Wed, Feb 2, 2022 at 6:47 AM

Cc: smunchinnaya@gmail.com, muthuraman8@gmail.com

Dear Prof. Sainath Malligemadu,
I am attaching herewith both a Brief Biography and extensive biography with a photograph for use at your end.
With Regards,
Prof. Milind Parle,
Ex. Dean

Attachments : As above

On Fri, 28 Jan 2022 12:12:51 +0530 SDM MMK Mahila Maha Vidyalaya wrote

>Respected Sir/Madam,

SDM & MMK MMV established in the year 1990 & is managed by SDM Educational Society @, Ujire, Karnataka. The students of the institution brought several laurels in various academics and extracurricular activities. This institution has got good rank in India Today Ranking, and it has been participating in NIRF ranking and got good factors in some criterias. Recently NAAC accredited B grade with a CGPA of 2.48.

With due respect, I would like to invite you for an International E- Conference on "Recent Research and Innovation in Life Science 2022- Nutraceuticals in Healthy Ageing" organised by the Department of Microbiology of our college in collaboration with Association of Pharmaceutical Scientists and Educators (APSE) on 3rd & 4th February 2022. The Conference will be Inaugurated by Prof S R Niranjan, Former V C , Gulbarga University, and Dr Hanumanthachar Joshi, Principal ,Sharada Pharmaceutical college, Mysore will be the Guest Honour on the occasion. It is a great privilege to have you among us as a Resource Person. The invitation and program sheet of the conference have been attached herewith.

In anticipation of your favorable reply.


With regards,



PRINCIPAL

Prof. Sainath Malligemadu, Principal, SDM MMK Mahila Maha Vidyalaya, Mysore 57000498861667500821-2332865www.sdmmmkmysore.in "Empowerment of women to build an enlightened society"

Smt Arzha Sameer

2 attachments

 Brief_Biography_2022.docx
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 Biography_Nov_2021.docx
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PRINCIPAL
MMK & SDM Mahila Mahavidyalaya
Krish: amurthypuram, Mysore-570 004

Mysore Makkala Koota &

SHRI DHARMASTHALA MANJUNATHESHWARA MAHILA MAHAVIDYALAYA



(Affiliated to University of Mysuru)

Krishnamurthypuram, Mysuru - 570 004

☎ : Principal : 0821 - 2330039 Mob. : 9886166750 Off. : 0821 - 2332865 Fax : 0821 - 2331431

Website : www.sdmmmkmysore.in

Email : principal@sdmmmkmysore.in, sai_malligemadu@sdmmmkmysore.in

(Managed by : **SDME Society (R.), Ujire**)

PRESIDENT : **Dr. D. VEERENDRA HEGGADE**, Shri Kshetra Dharmasthala

Prof. Sainath Malligemadu

Principal

Ref. No.: MMK & SDM / MMV /

Office of the Principal

/ 20 ____ 20 ____

To,
Dr. Sharad Wakode
Prof. of Pharmaceutical Chemistry
Delhi Institute of Pharmaceutical Sciences & Research
Govt. of NCT of Delhi

Date : 2-2-2022

Subject: Invitation as a Judge for Poster Presentation (Virtual) of International E Conference - Regarding

Dear Sir,

SDM & MMK MMV established in the year 1990 & is managed by SDM Educational Society @, Ujire, Karnataka. The students of the institution brought several laurels in various academics and extracurricular activities. This institution has got good rank in India Today Ranking, and it has been participating in NIRF ranking and got good factors in some criteria, Recently College has accredited by NAAC with 'B' Grade.

With due respect, I would like to invite you for Two Days International E-Conference on "Recent Research and Innovation in Life Science 2022-Nutraceuticals in Healthy Ageing" organized by the Department of Microbiology in collaboration with Association of Pharmaceutical Scientists and Educators (APSE) on 3rd & 4th February 2022. It is a great privilege to have you among us as a Judge for Poster Presentation on 3-2-2022.

In anticipation of your favorable reply.

Thanking you

With regards,

Prof. Sainath Malligemadu

PRINCIPAL

**MMK & SDM Mahila Maha Vidyalaya
Krishnamurthypuram, Mysuru-570004**

Mysore Makkala Koota &

SHRI DHARMASTHALA MANJUNATHESHWARA MAHILA MAHAVIDYALAYA



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Website : www.sdmmmkmysore.in

Email : principal@sdmmmkmysore.in, sai_malligemadu@sdmmmkmysore.in

(Managed by : **SDME Society (R.), Ujire**)

PRESIDENT : **Dr. D. VEERENDRA HEGGADE**, Shri Kshetra Dharmasthala

Prof. Sainath Malligemadu

Principal

Office of the Principal

Ref. No.: MMK & SDM / MMV /

/ 20 ____ 20 ____

Date : 1-2-2022

To,
Dr. Archana Prabhat
Professor, Co-ordinator and Head
Department of Food Science and Nutrition
Alva's Centre for PG studies and Research
Mangalore University

Subject: Invitation as a Judge for Poster Presentation (Virtual) of International E Conference - Regarding

Dear Sir,

SDM & MMK MMV established in the year 1990 & is managed by SDM Educational Society ®, Ujire, Karnataka. The students of the institution brought several laurels in various academics and extracurricular activities. This institution has got good rank in India Today Ranking, and it has been participating in NIRF ranking and got good factors in some criteria, Recently College has accredited by NAAC with 'B' Grade.

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In anticipation of your favorable reply.

Thanking you

With regards,

Prof. Sainath Malligemadu

Principal

PRINCIPAL

MMK & SDM Mahila Mahavidyalaya

Krishnamurthypuram, Mysore-570 004



(Affiliated to University of Mysuru)

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☎ : Principal : 0821 - 2330039 Mob. : 9886166750 Off. : 0821 - 2332865 Fax : 0821 - 2331431

Website : www.sdmmmkmysore.in

Email : principal@sdmmmkmysore.in, sai_malligemadu@sdmmmkmysore.in

(Managed by : **SDME Society (R.), Ujire**)

PRESIDENT : **Dr. D. VEERENDRA HEGGADE**, Shri Kshetra Dharmasthala

Prof. Sainath Malligemadu

Principal

Office of the Principal

Ref. No.: MMK & SDM / MMV /

/ 20 ____ 20 ____

Date :1-2-2022

To,
Dr. Vishwanatha
Assistant Professor
Department of Microbiology
Maharani's Science College for Women
Bangalore

Subject: Invitation as a Judge for Poster Presentation (Virtual) of International E Conference - Regarding

Dear Sir,

SDM & MMK MMV established in the year 1990 & is managed by SDM Educational Society @, Ujire, Karnataka. The students of the institution brought several laurels in various academics and extracurricular activities. This institution has got good rank in India Today Ranking, and it has been participating in NIRF ranking and got good factors in some criteria, Recently College has accredited by NAAC with 'B' Grade.

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In anticipation of your favorable reply.

Thanking you

With regards,

Prof. Sainath Malligemadu

Principal

PRINCIPAL

MMK & SDM Mahila Mahavidyalaya

Krishnamurthypuram, Mysore-570 004