

DEPARTMENT: BIOTECHNOLOGY

PROGRAM: Intercollegiate International Webinar on "Biosparkles - Colon Cancer in Obesity"

DATE: 03-11-23 and **TIME:** 8.30 am IST

PARTICIPANTS: 85-B.Sc&M.ScLife science students (66), Life Science Faculties (19).

ORGANIZER: Dept. of Biotechnology, MMK & SDM MMV College.

VENUE: Online - Google Meet and Youtube was used as the platform.

YOUTUBE LINK: <https://youtu.be/EBerQ5A5fSo>

OBJECTIVE: To edify on public health policy andobesity- a risk factor for colon cancer.

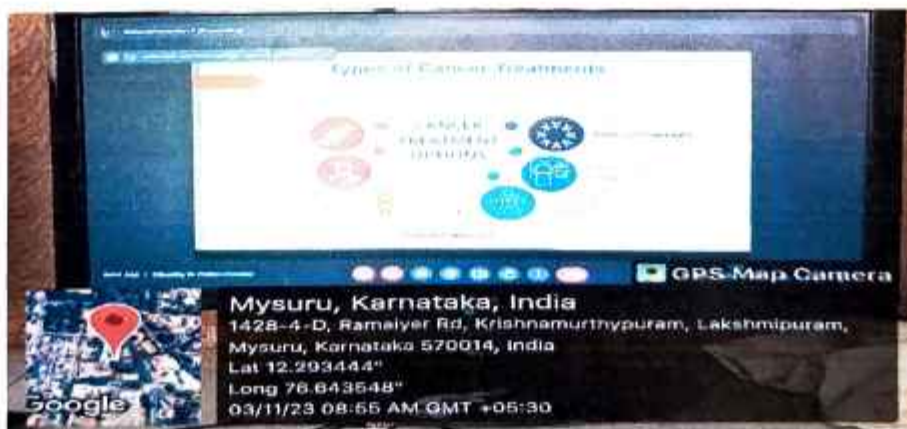
RESOURCE PERSON: Dr.Balasubramanian Palaniappan Assistant Research Professor, Dept. of Clinical and Translational Sciences, Marshall University, WV,USA.

PROGRAM COORDINATOR: Dr Shwetha S

PROGRAM DETAILS: The webinar program was initiated with SDM prayer invocation. Dr Shwetha S welcomed the principal, IQAC coordinator, participants and introduced the delegate speaker. The speaker highlighted on the molecular mechanism of regulation of chloride absorption mediated by chloride bicarbonate exchanger (DRA) during obesity and obesity-associated colon cancer in in-vivo genetic and diet-induced obesity models and in vitro models of obesity using adipocyte-derived secretome (ADS) was explained. There was questionnaire post the lecture session and speaker cleared the queries and doubts of the participants effectively. The E-certificate was sent to all the participants post filling the google feedback form.

PROGRAM OUTCOME:Theparticipants gained knowledge onassociation between colorectal cancer and obesity in genetic level, and the results of some major trials carried-out for prevention of colorectal cancer at Marshall University, USA.

PHOTOS:



Intercollegiate International Webinar on "Biosparkles - Colon Cancer in Obesity"

Bharathi N

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

SUMMARY: The speaker highlighted on the causes, diagnosis and remedies of colon cancer. He mentioned that the contribution of diet and nutrition status to cancer risk has been a major focus of research as well as public health policy. He conveyed that an increased amount of fat or adipose tissue in an overweight or obese person probably influences the development of cancer by releasing several hormones like factors or adipokines. The speaker detailed on lifestyle factors causing obesity like unhealthy lifestyle choices, such as a diet high in processed meats and low in fruits and vegetables, sedentary behaviour, smoking and excessive alcohol consumption, can increase the risk of cancer. Chemoprevention intervention studies have been carried-out to evaluate the effect of various strategies such as dietary modifications, vitamins and antioxidants, folate, fiber, calcium supplementation, aspirin therapy, etc. was explained. The statistics of the disease, symptoms and stages were elaborated. Individuals with a family history of colorectal cancer or certain genetic conditions may benefit from genetic counselling and genetic testing to assess their risk and determine appropriate screening measures was mentioned.



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**MMK & SOM Mahila Mahavidyalaya
Krishnamurthypuram, Mysore-570 004**



(Managed by: SDME Society, Ujire)

Mysore Makkala Koota &

SHRI DHARMASTHALA MANJUNATHESWARA MAHILA MAHAVIDYALAYA

Krishnamurthypuram, Mysore - 570 004



Prof. Sainath Malligemadu
Principal

Dr. D Veerendra Heggade
President: SDME Society, Ujire.

Ref No.: MMK&SDM/MMV/1884/2023 to 2024

27-10-23

To,
Dr. Balasubramanian Palaniappan
Assistant Research Professor,
Clinical and Translational Science Dept.
Marshall University,
WV, USA.

Dear Sir,

Sub: A Talk in Intercollegiate International webinar on the topic "BIOSPARKLES - Colon Cancer in Obesity" – Invitation of regarding.

MMK & SDM MahilaMahaVidyalaya, Mysuru established in 1990, is now one of the prestigious education centre in the city of Mysore. The College offers courses in pre-university and degree course in Science, Computers, Commerce & Management. The institution has been striving to attain all round excellence and to impart quality education along with ethical and cultural awareness to students of all strata of society under the dynamic guidance of **Padmavibhushana awardee Poojya Dr.D. Veerendra Heggade**. As the President of SDM Educational Society, he has been phenomenally successful in leading more than 56 Institutions throughout Karnataka.

With this description, we are happy to invite you to deliver a talk on "Colon Cancer in Obesity" in Intercollegiate International webinar organized by Department of Biotechnology to the students of B ScLife sciences and faculties of Life Sciences of various Institutes on 3rd November 2023 at 8.30 am IST. Kindly consider and oblige.

With Regards,

Prof Sainath Malligemadu
PRINCIPAL

mmk & SDM Mahila Mahavidyalaya
Principal
Krishnamurthypuram, Mysore-570 004



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Dr. D Veerendra Heggade
President: SDME Society, Ujire.

Ref No.: MMK&SDM/MMV/854/20 23 to 20 24

27-10-23

To,
Dr. Balasubramanian Palaniappan
Assistant Research Professor,
Clinical and Translational Science Dept.
Marshall University,
WV, USA

Dear Sir,

We remain thankful to you for making it convenient to deliver a talk on "Colon Cancer in Obesity" in Intercollegiate International webinar organized by Department of Biotechnology, MMK and SDM MMV, Mysore to the students of B Sc Life sciences and faculties of Life Sciences of various Institutes on 3rd November 2023 at 8.30 am IST. The program was highly beneficial to the students and we seek your continued cooperation even in future.

With Regards,

Prof Sainath Malligemadu
PRINCIPAL

Principal
Shri Dharmasthala Manjunatheswara Mahila Mahavidyalaya
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DEPARTMENT OF BIOTECHNOLOGY 2023-24

“Biosparkles - Intercollegiate International Webinar : Colon Cancer in Obesity”

PARTICIPANTS LIST

DATE: 03-11-2023 TIME: 08:30

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Sainath M

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MMK & SDM MAHILA MAHA VIDYALAYA, MYSURU

Department of Biotechnology

Office of the Principal

Date: 27/10/2023

CIRCULAR

The Department of Biotechnology is organizing **Intercollegiate International Webinar Biosparkles - Colon Cancer in Obesity** for Life Science students on **03-11-2023 @ 8.30am IST** in Google meet and YouTube platform. All the students are hereby informed to log in through the link and utilize the opportunity.


HoD


Principal

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MMK & SDM Mahila Mahavidyalaya
Nishnamuthypuram, Mysore-570 014



|| Om Shri Manjunathaya Namah ||



MMK & SDM MMV

Mysore Makkala Koota & Shri Dharmasthala
Manjunatheshwara Mahila Maha Vidyalaya

Krishnamurthypuram Mysuru -5700 04

(Managed by: S.D.M.E Society (R) Ujire, Karnataka, India)

President: Padma Vibhushan Dr. D. VeerendraHeggede

Accredited by NAAC with B Grade

Vision: "Empowerment of women to face Global challenges"

An IQAC initiative
Intercollegiate International Webinar
"Biosparkles - Colon Cancer in Obesity"
November 3rd 2023 @ 8.30am IST
Organized by Department of Biotechnology

Delegate Speaker



Dr. Balasubramanian Palaniappan

Assistant Professor,

Department of Clinical and Translational Sciences,

School of Medicine,

Marshall University, Huntington, WV, USA.

Google meet link: <https://meet.google.com/akr-vtgy-qgs>

YouTube link: <https://youtube.com/live/9DvPpmPm7eU?feature=share>

IQAC Coordinator
Smt Sukrutha K S

Coordinator
Dr Shwetha S

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Krishnamurthypuram, Mysore-570 004

Principal
Prof Sainath Malligemaadu

Cocoordinator
Ms Durgashree A J

- ✚ E-certificates will be sent to the participants post filling the feedback form.
- ✚ The feedback form link will be sent in both the platforms at the end of the session.
- ✚ **DIRECT PARTICIPATION** – No registration required to attend webinar.

About the Institution : MMK & SDM MahilaMahaVidyalaya, Mysuru established in 1990, is now one of the prestigious education centre in the city of Mysore. The institution has been striving to attain all round excellence and to impart quality education along with ethical and cultural awareness to students of all strata of society under the dynamic guidance of **Padmavibhushana awardee Poojya Dr.D. Veerendra Heggade**. As the President of SDM Educational Society, he has been phenomenally successful in leading more than 56 Institutions throughout Karnataka. The institute has successfully established MoU with Institute of Biotechnology and Bioinformatics (IBAB), Bangalore and with Mahajanas Education Society, Mysore.

About the Department: The department of Biotechnology gives high prominence to student activities like Student faculty programme, Article writing, Posters and Model making, Organizing competitions etc. The department has a theme every year for the annual academic activities and “**Biosparkles**” is the theme given for 2023-24 activities.

Our institution has Innovation and Incubation Centre established as per University Grants Commission (UGC) India recommendation to have Research and Development Centre which focuses on recent research activities and development. The department of Biotechnology is involved in the research project involving Antibacterial studies of medicinal plant extract against pathogenic bacteria with an Insilco and Computational Biology approach funded by SDME society, Ujire.



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