



Mahajana Education Society (R.)

Education to Excel

SBRR Mahajana First Grade College (Autonomous)

Jayalakshmipuram, Mysuru - 570 012

Affiliated to University of Mysore & Accredited with 'A' Grade by NAAC
College with Potential for Excellence

An IQAC Initiative

Department of Biochemistry

organises

Interactive Session

on

**Unveiling The Power of the Immune System
- Combatting unseen threats**

Resource Person

Dr. Naveen Y P, M.Sc, Ph.D

Assistant Professor

Department of Biochemistry

Adichunchanagiri School of Natural Sciences

Adichunchanagiri University

Date: 02.04.2024

Time: 11.00 AM

Venue : AVC-II

All are Cordially Invited

HoD & Staff
Dept. of Biochemistry

Dr. S R Ramesh
Chief Executive Officer
& Academic Advisor

Dr. B.R. Jayakumari
Principal

Mahajana Education Society ®

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Date: 02.04.2024

Department of Biochemistry A Report on One-Day Interactive Session

“Unveiling the Power of the Immune System- Combatting Unseen Threats”

An Interactive Session on the topic “Unveiling the Power of the Immune System - Combatting Unseen Threats” was organized by Department of Biochemistry and IQAC, SBRR Mahajana, First Grade College (Autonomous), Jayalakshmipuram, Mysuru-12 on April 2nd 2024 at 11.00 am in AVC-II, SBRR Mahajana First Grade College (Autonomous), Jayalakshmipuram, Mysuru-12

The primary objective of organizing the Interactive session was to provide the students with a comprehensive knowledge of the Immune System in combatting various diseases and also to expand the knowledge about the immune system and its role in resistance towards infection and various toxins.

The resource person Dr. Naveen Y P started the session by introducing the term Immunology and overviewed the immune system by giving insights on various cells like White Blood Cells (Leukocytes) and their types, tissues, organs (Lymphoid Organs) and antibodies which work together to recognize and neutralize harmful invaders.

He briefed about various Diseases caused by pathogens like bacteria, viruses, fungi, parasites and their entry into the body. Then he delves into the intricate workings of the immune system, exploring its components, mechanisms, and the sophisticated strategies it employs to safeguard our health.

He also highlighted the dual arms of innate and adaptive immunity and explained how both of these subsystems are closely linked and work together when; a germ or harmful substance triggers an immune response. Further the speaker emphasized about how the adaptive immune system is constantly learning and adapting so that it can fight bacteria or viruses that change over time. He gave insights on Phagocytes, Natural killer cells, inflammatory responses, T- cells, Cytotoxic T-cells, T-helper cells, B-cells and Memory cells. He also addressed the challenges that immune system faces and the consequences that arise when it malfunctions.

The speaker further threw light on the complement system cascade /pathway - its phases, functions, its role in innate and adaptive immune system and how it helps the antibodies and phagocytic cells to clear pathogens from an organism. Then, the resource person provided guidance; ensuring students gain the importance of maintaining immune health and supporting the crucial role

of vaccines in disease prevention through continuous research and advancements in immunology. An emphasis was placed on the research field for uncovering new insights into immune function and developing advanced therapeutic strategies to combat emerging infectious diseases.

He highlighted the role of vaccines in harnessing the immune system's power to prevent infectious diseases. He briefed on Auto-immune disorders.

The key takeaway of the interactive session was the thorough understanding of immunological aspects of life, enabling them to excel in the field of life sciences. After the lecture, the session was open for discussion during which students actively interacted by asking questions.

The speaker addressed participant queries and gave inputs on Memory cell formation, Advances in immunotherapy for cancer treatment and Innovations in vaccine development. Overall, the students gained valuable insights into the intricate workings of the body's defence system.

The session was very informative ensuring that the participants are well-equipped to contribute to advancements in biochemical research.

The resource person of the interactive session was Dr. Naveen Y P, Assistant Professor, Department of Biochemistry, Adichunchunagiri School of Natural Sciences, Adichunchunagiri University.

The dias was enlightened with the graceful presence of respected Principal Dr B R Jayakumari, and CEO & Academic advisor Dr.S R Ramesh and Smt. Ramya V, Head of the Department. The session started at 10.30 am with a welcome note given by Smt. P Radhika, Assistant Professor, Department of Biochemistry. The introduction of the resource person was given by Smt: Madhuri Guest Lecturer, Department of Biochemistry. The entire programme was hosted by Smt. Radhika, Assistant Professor, Department of Biochemistry. The session was very interactive and informative. Around 70 students participated and benefited from this session.

The guest expressed his gratitude for allowing delivering a lecture and for organizing this programme. Finally, the programme was wined up around 1.30 pm by rendering a vote of thanks by Smt Ramya. V, HoD, Department of Biochemistry, SBRR MFGC Autonomous, Mysuru-12.



Dr. B. R. Jayakumari

PRINCIPAL

Smt. Bhagyalakshamma Rattehalli Ramappa
Mahajana First Grade College (Autonomous)
Jyalakshmpuram, Mysuru-570 012



IQAC Coordinator

IQAC Coordinator

SBRR Mahajana First Grade College
(Autonomous)
Jyalakshmpuram, MYSURU-570 012



Head of the Department

Head of the Department of Biochemistry
SBRR Mahajana First Grade College
(Autonomous)
Jyalakshmpuram, Mysuru-570 012

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Attendance Sheet

Name of the Department: Biochemistry

Date: 02/04/2024

Nature of the programme: Unveiling the Power of Immune System

Time: 10:00 AM - 12:30 PM

Sl. No.	Name of the Student	Course	Semester	Section	Combination	Signature
1	Smitha Hansdah	BSc.	IV sem	-	BTBM	<u>[Signature]</u>
2	Vagdevi. C	Bsc	IV sem	-	BcMb	<u>[Signature]</u>
3	Devika. P S	BSC	IV Sem	-	Btmb	<u>[Signature]</u>
4	Mishitha. B.V	BSC	IV sem	-	Btmb	<u>[Signature]</u>
5	Lowie Shaarmila. A	Bsc	IV sem	-	BcMb	<u>[Signature]</u>
6	Manya. B	Bsc	IV sem	-	BcMb	<u>Manya. B</u>
7	Vibha Sureshda	Bsc	IV sem	-	Btbc	<u>[Signature]</u>
8	Mar Yam Jahromi	BSC	IV sem	-	BtMB	<u>[Signature]</u>
9	KARTHI K. M	BSC	IV sem	-	BtMB	<u>[Signature]</u>
10	Sanjay MD	BSc	IV sem	-	BtMB	<u>[Signature]</u>
11	Adithya	Bsc	IV sem	-	Btbc	<u>[Signature]</u>
12	AKSHAT	BSC	IV sem	-	Btbc	<u>[Signature]</u>
13	Shri Hari	Bsc	IV sem	-	BcMb	<u>[Signature]</u>
14	Dhanush. B.M.	BSC	IV sem	-	Btbc	<u>[Signature]</u>
15	Bhuvan Kumar ST	BSC	IV sem	-	BtMB	<u>[Signature]</u>
16	Mouna Gp	BSC	IV sem	-	Btbc	<u>Mouna Gp</u>
17	Apoorva. D. S	BSC	IV sem	-	Btbc	<u>[Signature]</u>
18	Lekha. B S	BSC	IV sem	-	Btbc	<u>[Signature]</u>
19	Hanushree. V	BSC	IV sem	-	Btbc	<u>[Signature]</u>
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Total No. of students attended (19)

Signature of the HoD [Signature]

Name:

RAMYA. V
Head of the Department of Biochemistry
SBRM Mahajana First Grade College
(Autonomous)
Jayalakshmpuram, Mysuru-570 012

[Signature]
Organising Secretary Signature

Received
[Signature]
8/4/24

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Attendance Sheet

Name of the Department: Biochemistry
Nature of the programme: Interaction Between Unveiling The Power of Immune System - Combating

Date: 02/04/2024
Time: 10:30 AM - 12:30 PM

Sl. No.	Name of the Student	Course	Semester	Section	Combination	Signature
1	Sulhashchandra.R	BTBM	VI Sem	A	BTBC	Sulhashchandra
2	Shishir Chandra.R	BSC	VI Sem		BTBC	Shishir
3	Zaira Amina	Bsc	VI Sem		BTBC	Zaira
4	Tessra Sheelin.B	B.Sc	VI SEM		BE BC	Tessra
5	Pavitra	B.Sc	VI SEM		BE BC	Pavitra
6	Bhavanika.raj.P	B.Sc	VI SEM		BCMB	Bhavanika
7	Akshatha.G	B-SC	VI SEM		BE MB	Akshatha
8	Tejaswini	B.Sc	VI SEM		BC MB	Tejaswini
9	LAVANYA.N	BSC	VI SEM		BTBC	Lavanya.N
10	JANIAVU.MT	BSC	VI SEM		BTBC	Janavi.M.P.
11	GIANESH.M				BTBC	Gianesh
12	HEMACHANDRA.NB				BCMB	Hemachandra
13	Chethan.P				BCMB	Chethan.P
14	Pohan.S.Y				BCMB	Pohan.S.P.
15	Vishwas.P				BCMB	Vishwas.P.
16	Rahul.S	BSC	VI SEM		BCMB	Rahul.S
17	Jeevan Kumar.P				BTMB	Jeevan
18	Manju.K				BT MB	Manju
19	Karthik.D				BE MB	Karthik
20	Priya Durvasu Hegde				BTMB	Priya
21	Harshitha.C.K				BTMB	Harshitha.C.K
22	Sushmitha.S				BTMB	Sushmitha
23	SAMITH.H.S				BTBC	Samith
24	VEEDRESH.G				BTBC	Veesh
25	RAJWAL.R				BTBC	Rajwal.R

Total No. of students attended (25)

Signature of the HoD

Name: RAMYA.U Ramappa

Organising Secretary Signature

T. Radhika

PRINCIPAL

Dr. Bhagyalakshamma Rattichalli Ramappa
Mahajana First Grade College (Autonomous)

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Attendance Sheet

Name of the Department: *Biochemistry*

Date: *2/04/2024*

Nature of the programme: *Interaction Session*

Time: *10:30 AM - 12:30 PM*

Unveiling the Power of the Immune System - Combatting the Unseen Threat

Sl. No.	Name of the Student	Course	Semester	Section	Combination	Signature
1	Lakshma S	BSC	VI	BTMB	- 1 -	<i>Lakshma S</i>
2	Lakshmi B S	BSC	VI	BTMB	Btmb	<i>Lakshmi B S</i>
3	KOWSHIK R R	BSC	VI	Bt, Bc	Bt, Bc	<i>Kowshik R R</i>
4	TEJA KUMAR GC	BSC	VI	Bt, Bc	Bt, Bc	<i>Teja Kumar GC</i>
5	DHANURAJ C M	BSC	VI	Bt, Bc	- 11 -	<i>Dhanuraj C M</i>
6	M. S. SAGAR	BSC	VI	Bt, Bc	- 11 -	<i>M. S. Sagar</i>
7	Sharanya K. C	BSC	VI	BTMB	- 11 -	<i>Sharanya K. C</i>
8	Lenita P	BSC	VI	BTMB	- 11 -	<i>Lenita P</i>
9	Akshatha M	BSC	VI	BTMB	- 11 -	<i>Akshatha M</i>
10	Sandhyashree B S	BSC	VI	BTMB	- 11 -	<i>Sandhyashree B S</i>
11	Ashwini M S	BSC	VI	BTMB	- 11 -	<i>Ashwini M S</i>
12	Jinu N. Aradhya	BSC	VI	BTMB	- 11 -	<i>Jinu N. Aradhya</i>
13	Meghabai M	BSC	VI	BTMB	- 11 -	<i>Meghabai M</i>
14	Purnima K B	BSC	VI	BTMB	- 11 -	<i>Purnima K B</i>
15	Emmanuel Janel	BSC	VI	BTMB	- 11 -	<i>Emmanuel Janel</i>
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Total No. of students attended *15*

Signature of the HoD

Name: *Ramya V - Ramya*

Head of the Department of Biochemistry
SBRR Mahajana First Grade College
(Autonomous)
Jayalakshmpuram, Mysore-570 012

Organising Secretary Signature

T. P. K. K.

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Attendance Sheet

Name of the Department: *Biochemistry*

Nature of the programme: *Interoactive Session - Unveiling The Power of the IS-Combating*

Date: *02/14/2024*

Time: *10:00 AM - 12:30 pm*

Sl. No.	Name of the Student	Course	Semester	Section	Combination	Signature
1	<i>Kemparaju T.I</i>	<i>BSc</i>	<i>II Sem</i>	-	<i>BTBC</i>	<i>[Signature]</i>
2	<i>Supreeth. KM</i>	<i>BSc</i>	<i>II Sem</i>	-	<i>BTBM</i>	<i>[Signature]</i>
3	<i>Acharya. H</i>	<i>BSc</i>	<i>II Sem</i>	-	<i>BTBM</i>	<i>[Signature]</i>
4	<i>Surya. P.</i>	<i>BSc</i>	<i>II Sem</i>	-	<i>BTBM</i>	<i>[Signature]</i>
5	<i>Atharva. M.J</i>	<i>BSc</i>	<i>II Sem</i>	-	<i>BTBM</i>	<i>[Signature]</i>
6	<i>Kellam Ganapathy N.B</i>	<i>BSc</i>	<i>II Sem</i>	-	<i>BTBM</i>	<i>[Signature]</i>
7	<i>Dheeraj. V</i>	<i>BSc</i>	<i>II Sem</i>	-	<i>BCBM</i>	<i>[Signature]</i>
8	<i>[Signature]</i>					
9	<i>Niharika. K.P</i>	<i>BSc</i>	<i>II Sem</i>	-	<i>BTMB</i>	<i>[Signature]</i>
10	<i>Mythra. M.</i>	<i>BSc</i>	<i>II Sem</i>	-	<i>BTMB</i>	<i>[Signature]</i>
11	<i>Prachintra</i>	<i>BSc</i>	<i>II Sem</i>	-	<i>BTMB</i>	<i>[Signature]</i>
12	<i>Nyasha J. Nyathi</i>	<i>BSc</i>	<i>II Sem</i>	-	<i>BTBC</i>	<i>[Signature]</i>
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Total No. of students attended *(11)*
Signature of the HoD

Name: *RAMANA.M*

[Signature]
Head of the Department of Biochemistry
SBRM Mahajana First Grade College
Jayalakshmiapuram, Mysore

[Signature]
Organising Secretary Signature

PRINCIPAL
Smt. Bluey
Mahajana First Grade College
Jayalakshmiapuram, Mysore - 570 012

“Unveiling the Power of the Immune System- Combating Unseen Threats”



