



S.I.W.S.

N.R. SWAMY COLLEGE OF COMMERCE & ECONOMICS
AND

SMT. THIRUMALAI COLLEGE OF SCIENCE
UNIVERSITY OF MUMBAI
Linguistic Minority Institution

अशौस २०१०/प्र.क्र. १०० / २०१० / का. ५ दिनांक ३०.१.२०१२
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(Autonomous)

NAAC Re-accredited 'A'

30th April, 2023

Department of Microbiology - Annual Report (2022-23)

I. Departmental Activities

Department of Microbiology organised '**Roadmap for Microbiology students**' an expert talk by Dr. Sanjeev Patankar, National Coordinator of Microbiologist Society, India on 8th July, 2022. This talk was full of information related to Microbiology field and it was very helpful to students in choosing their career in their field of interest.

The Department of Microbiology in collaboration with Microbiologist Society, India organized an International Webinar on "Awareness on Monkey Pox: A Current Threat" on 10th September 2022. The speaker was Dr. Hiba Sami, Assistant Professor, Department of Microbiology, JNMCH AMU, Aligarh. The Chief guest was Dr. Swaranjit Singh, Director & Chairman, SAS Polyclinic and President MBSI, Chandigarh. The resource person discussed the mode of transmission of Monkey pox, its diagnosis, treatment and preventive measures.

T.Y.B.Sc. Microbiology students, accompanied by faculty, visited The Cancer Research Institute (CRI) and the Clinical Research Centre of ACTREC located in Kharghar, New Mumbai, on their 'Open Day' on 1st December, 2022.

Each department displayed their posters related to cancer research, various diagnosis, treatment modalities and prevention of cancer, followed by an introductory talk about ACTREC highlighting the Centre's research, clinical and academic programs.



- The Department organised a career guidance lecture on '**Forensic Science after Graduation**' by our alumnus Ms. Nikhat Dingankar, pursuing her graduation from Garden City University, Bengaluru to T.Y.B.Sc. students on 24th December, 2022.
- T.Y.B.Sc. (Microbiology) students were taken to NMIMS (Sunandan Divatia School of Science) on 25th February 2023. Ten students visited the laboratory and were accompanied by a teaching staff. The students were taken on a tour of the following laboratories Molecular Biology Laboratory, Instrumentation laboratory, Cell culture laboratory, Analytical Chemistry Laboratory and Nanotechnology Laboratory.
- T.Y.B.Sc. (Microbiology) students were taken to Bay View Research Laboratory, Charni Road on **22nd February 2023**. Apart from taking up research projects this centre also conducts hands on training workshops in Molecular Biology and Animal Tissue culture. The students were first given an introductory lecture on animal tissue culture and its applications. They were also explained about different cell lines, fibroblasts and elongated cells. They were then shown various instruments CO₂ incubator, Biosafety Cabinet (level 2), Inverted microscope, Liquid Nitrogen cryocan (used for preserving cells for tissue culture).
- '**Oyster Mushroom cultivation**', a skill development course was conducted for T.Y.B.Sc. Microbiology students from 11th to 30th January, 2023 by our alumnus Mr. Rizwan Shaikh with an objective of empowering students with skill and techniques in oyster mushroom cultivation.
- The Department organized an **Intercollegiate fest – Microbia'23** on 3rd and 4th February 2023 with several Fine arts competitions like On the spot painting, Microbial rangoli, Games like Microbial word antakshari, Spell Bee and Star event which comprised of 4 levels; Level 1 – Semental, Level 2 – UNO of Jeev Vigyan, Level 3 – Brain Buzz in KBC style and Level 4 – Chambers of secret. The Chief Guest for the valedictory function was Dr Manju Phadke, Head, Department of Microbiology, S.I.E.S. college.



II. Staff Achievements

Mrs. Neeta Khanolkar:

- Chairperson of TYBSC Semester 5 and 6 – Theory Examination in Microbiology, University of Mumbai
- Was appointed as Paper setter, Examiner and Moderator for M. Sc. Semester III and IV in the subject of Applied Microbiology respectively by University of Mumbai in November 2022 and April 2023

Mrs. Rekha Bhatia:

- Participated in the 2 day online National workshop for teachers, titled “Research Requisites: Workshop for Teachers” organized by the I.Q.A.C & Department of English of the H.R college of Commerce and Economics in collaboration with I.Q.A.C & Department of Business Communication of S.I.W.S College on the 5th and 6th December, 2022.
- Invited to be external examiner for conducting Practical Examination of M.Sc-I Semester I on 9th, 10th and 11th July 2023 at CHM College of Arts, Science and Commerce.
- Was appointed as Paper setter, Examiner and Moderator for T.Y.B.Sc. Semester V and VI in the subject of Medical Microbiology and Immunology Part I and Part II by the University of Mumbai in October 2022 and April 2023 respectively.
- Was appointed as Paper setter, Examiner and Moderator for M. Sc. Semester I and II in the subject of Environmental Microbiology and Sustainability and Bioinformatics, Statistics and Research Methodology respectively by University of Mumbai in Nov 2022 and April 2023.
- Appointed as an examiner for T.Y.B.Sc. Semester VI Microbiology Practical Examination in April 2023.
- Appointed as paper setter and examiner for M.Sc. Semester I and II Microbiology Practical and Viva Voce Examination in April 2023.
- Judged Personality Contest competition as part of the Cultural Program Swastika 22-23 held on 23rd January, 2023.



Dr. Ajitha S. Nair:

- Appointed as BOS member in the subject of Microbiology at Sathaye College (Autonomous) from 2021 onwards for a period of three years.
- Appointed as BOS member in the subject of Microbiology by University of Mumbai with effect from 1st September 2022 to 31st August 2027.
- Invited as an external examiner for T.Y.B.Sc. Microbiology Semester V Practical/Viva voce examination on 17th, 18th and 19th November 2022 at G.N. Khalsa College of Arts, Science and Commerce (Autonomous).
- Invited to be moderator in the subject of Microbial Biochemistry Part II on 8th March 2023 at Ramnarain Ruia Autonomous College.
- Moderated Microbiology Paper IV: Medical Microbiology and Research Methodology for M.Sc. Part I semester I Examination in December 2022 at Wilson College Autonomous Minority institution.
- Invited to be external examiner for conducting Practical Examination of M.Sc. Semester II on 12th, 13th and 15th April 2023 at Mithibai College (Autonomous).
- Invited to be external examiner for conducting Practical Examination of M.Sc-II Semester IV on 1st, 2nd and 3rd May 2023 at G.N. Khalsa College of Arts, Science and Commerce (Autonomous).
- Was appointed as Paper setter, Examiner and Moderator for T.Y.B.Sc. Semester V and VI in the subject of Microbial Biochemistry Part I and Part II by University of Mumbai in October 2022 and April 2023 respectively.
- Was appointed as Paper setter, Examiner and Moderator for M. Sc. Semester III and IV in the subject of Pharmaceutical and Cosmetic Microbiology and Applied Microbiology respectively by University of Mumbai in November 2022 and April 2023.
- Appointed as examiner for T.Y.B.Sc. Semester VI Microbiology Practical Examination in April 2023.
- Appointed as paper setter and examiner for M.Sc. Semester III and IV Microbiology Practical and Viva Voce Examination in April 2023.
- Judged Two-minute make-up competition and Rangoli competition as part of the Cultural Program Swastika 22-23 held on 24th and 23rd January 2023 respectively



Mrs. Deepali Sachin Khedekar

- Participated in the 2 day online National workshop for teachers, titled “Research Requisites: Workshop for Teachers” organized by the I.Q.A.C & Department of English of the H.R college of Commerce and Economics in collaboration with I.Q.A.C & Department of Business Communication of S.I.W.S College on the 5th and 6th December, 2022
- Attended First Term Training Program for Extension Work Teachers and Students Managers of Department of Lifelong Learning & Extension, University of Mumbai at Navneet College of Arts, Science and Commerce, Bombay central, Mumbai on 23rd September 2022
- Participated in Annual Extension Activities (Community Work) related to Values of National Integration, Secularism, Democracy, socialism, Humanism, Peace, Scientific Norms etc. (UDAAN) organized by Department of Lifelong Learning and Extension, University of Mumbai on 24th January, 2023 at NES Ratnam College of Arts, Science & Commerce, Bhandup
- Moderated FYBSc Microbiology Paper I and II in April 2023 at Somaiya College of Arts and Science (Autonomous)
- Appointed as examiner for T.Y.B.Sc. Semester VI Microbiology Practical Examination in April 2023
- Was appointed as Paper setter, Examiner and Moderator for T.Y.B.Sc. Semester V and VI in the subject Bioprocess Technology Part I and Part II by University of Mumbai in October 2022 and April 2023 respectively

Ms. Anitha Johnson

- Appointed as Paper setter and External Examiner for T.Y.B.Sc. Semester VI Microbiology Practical Examination by University of Mumbai in April 2023.
- Appointed as Examiner for T.Y.B.Sc. Semester V and VI in the subject of Microbial Biochemistry Part I and Part II by University of Mumbai in April 2023.



III. Faculty members on College Committees

Name of the Faculty	Committee
Neeta Khanolkar	Vice Principal (Science), Head of the Department Purchase committee, College Development committee, Public Information Officer
Rekha Bhatia	Fine Arts Circle, WDC, Unfair means Inquiry committee, NAAC
Ajitha Nair	Website Management & Information Cell, NAAC, Seminar committee, Cultural Association
Deepali Khedekar	DLLE, Marathi Vangmay Mandal, Gymkhana committee, Examination Committee
Anitha Johnson	DLLE, Students' Council, Cultural Association
Reena Jain	Science Association

IV. Examination Work (University):

- All faculty members set question papers from Sem I to Sem V including ATKT in theory as well as practical on behalf of the University of Mumbai.
- All faculty members except Mrs. Reena Jain were paper setters for Semester VI theory and practical examination in Microbiology conducted by the University of Mumbai
- Mrs. Neeta Khanolkar , Mrs. Rekha Bhatia and Dr. Ajitha Nair were paper setters for MSc Part I and II Semester III and IV theory and practical examination.

V. Students achievements

1. Arshiya Khan of TYBSc secured consolation prize in Mask decoration competition organised by Fine Art Circle of SIWS College on 30th July 2022
2. Bushra Butt of TYBSc secured first prize in Poster Making Competition organised by Science Association of SIWS College on 25th January 2023
3. Siddhartha Kamble of FYBSc secured first prize in the event "Open sight Air rifle" organized by Mumbai city inter zonal individual event in October 2022
4. Aishwarya Vakarmathi and Malika Afsana of FYBSc secured second prize in Microbial Rangoli at the Intercollegiate fest MICROBIA 23 organised by Microbiology Department of SIWS College on 4th February 2023



5. Tanmayee Bane and Sagarika Paul of SYBSc secured first prize in Microbial Rangoli at the Intercollegiate fest MICROBIA 23 organised by Microbiology Department of SIWS College on 4th February 2023
6. Jyoti Sharma of FYBSc secured runner-up position in Microbial Antakshari at the Intercollegiate fest MICROBIA 23 organised by Microbiology Department of SIWS College on 4th February 2023
7. R. Sanjana FYBSc secured first prize in Spell the Bee at the Intercollegiate fest MICROBIA 23 organised by Microbiology Department of SIWS College on 4th February 2023

VI. T.Y.B.Sc. RESULT ANALYSIS

Details	Semester V	Semester VI
No. of students appeared	16	16
No. of students passed	04	09
No. of students unsuccessful	12	07
Pass Percentage	25%	56.25%
A+ Grade	00	03
A Grade	01	02
B+ and B Grade	03	02
C Grade	00	02

N. Khanolkar

Mrs. Neeta Khanolkar
H.O.D.
Department of Microbiology

Date: 30th April, 2023



Manali Londhe

Dr. Manali Londhe
Principal

Principal
S.I.W.S.N.R. Swamy College of
Commerce & Economics And
Smt. Thirumalai College of Science
Wadala, Mumbai - 400 031.