

Shiksha Mandal's

Establishment Year: 1962

**Jankidevi Bajaj College of Science, Wardha**

(A Linguistic Minority College)

Reaccredited 'A' Institution (CGPA 3.21), NAAC (UGC), Bangalore

College with Potential for Excellence, UGC, New Delhi

Star College Scheme by DBT Govt. of India, New Delhi

Office/Fax : (07152) 230515

Admn. Offi. : (07152) 241696

Library : (07152) 255070

Uni. College No. : 802

Jr. College No. : 07-01-003



Jamnalal Bajaj Marg,

Civil Line,

Wardha - 442001 (Maharashtra)

website: jbsw.shikshamandal.org

E-mail: jbsciencewardha@yahoo.co.in

Ref No. J.B.C./ /2016-17

Date: 17/7/2017

**Department of Microbiology**

Meeting of Board of studies conducted on 17.07.2017 at Department of Microbiology at

2.00 pm following members of board of studies were present

1. Dr. S. S. Khandare - Chairman
2. Dr. C. J. Chandekar - V. C. Nominee
3. Dr. S. R. Gulhane - Industry Expert
4. Dr. Kiran Potey - Meritorious Alumni
5. Dr. Aarti Deshpande - Subject expert S.G.B.,  
Amravati University, Amravati.
6. Dr. P. H. Kumbhare - Subject expert,  
Gondwana University, Gadchiroli.
7. Prof. S. V. Thawari - Associate Prof. Dept. of Microbiology  
J. B. College of Science, Wardha
8. Dr. U. A. Malode - Assistant Prof. Dept. of Microbiology  
J. B. College of Science, Wardha
9. Miss. H. S. Kitey - Assistant Prof. Contract basis,  
Dept. of Microbiology  
J. B. College of Science, Wardha

*S. S. Khandare*  
17.7.17  
*Chandekar*  
17/7/2017

*Kiran Potey*  
*Aarti Deshpande*

*Thawari*

*Malode*

In this meeting following subjects were discussed

**Subject 1.**

Formation of **statutory regular Board of studies** (As per letter No. JBC/1057/2017-18 dated 23/6/17 and JBC/Auto/2017-18 dated 6/7/17)

**Statutory regular Board of studies** was formed as follows

1. Dr. Ms. S. S. Khandare - Chairman, Board of studies  
Associate Professor & Head  
Dept. of Microbiology  
J. B. College of Science, Wardha.
2. Dr. C. J. Chandekar - V. C. Nominee  
Associate Professor & Head,  
Dept. of Microbiology,  
Shri Shivaji Science College, Nagpur.
3. Dr. S. R. Gulhane - Industry Expert  
Dept. of Microbiology  
Bharti Mahavidyalaya, Amravati
4. Dr. Kiran Potey - Meritorious Alumni  
SRF, MGIMS, Sevagram
5. Dr. Aarti Deshpande - Subject expert (Other than parent University)  
Associate Professor and Head  
Dept. of Microbiology, Khandelwal College, Akola,  
S.G.B., Amravati University, Amravati.
6. Dr. P. H. Kumbhare - Subject expert, (Other than parent University)  
Associate Professor,  
Dept. of Microbiology  
G. N. College, Ballarpur,  
Gondwana University, Gadchiroli.
7. Prof. S. V. Thawari - Faculty Member  
Associate Professor,  
Dept. of Microbiology  
J. B. College of Science, Wardha.
8. Dr. U. A. Malode - Faculty Member  
Assistant Prof.  
Dept. of Microbiology  
J. B. College of Science, Wardha.
9. Miss. H. S. Kitey - Faculty Member  
Dept. of Microbiology J. B. College of Science, Wardha

## Subject 2.

Approval for a draft of curriculum of B. Sc. (Sem I and II) and M. Sc. Microbiology (Sem I and II)

Since the syllabus for B. Sc. Microbiology of RTM Nagpur University is recently changed, so it has been decided unanimously that no major change should be done. However minor changes suggested by the experts were incorporated in the syllabus. (Sheet is attached herewith).

The panel of experts also suggested the projects for B. Sc. students on the following topics

**Dr. C. J. Chandekar** suggested to incorporate DNA Hybridization techniques in practicals. A project on Biogas plant to study methanogenic bacteria, methane production can be incorporated in the practical syllabus since this portion is included in the theory. Projects may be given on edible mushroom cultivation, production of algae Spirulina for Single Cell Protein, Study of phytochemicals from plant extract for antimicrobial activity, Auxanographic method for determination carbon and nitrogen requirement of bacteria.

**Dr. Aarti Deshpande** recommended following changes

A project on Biogas plant to study methanogenic bacteria and methane production can be incorporated in the practicals. Development of synchronous culture, Isolation of endophytic bacteria, Kirby-Bauer method to study the antimicrobial activity, small project like Effect of sanitizer on bacteria present on hand may be given to the students. Study of extremophiles which live in extreme adverse environment should be incorporated.

**Dr. Kiran Pote** suggested that students after passing B. Sc. fail to measure accurate amount of solutions by using pipettes, micropipettes and so even they are good in studies, are rejected for working in the laboratories. So the workshop may be organised at the entry level for them for handling of the pipettes. She also suggested that student should know about personal care protective measures in Microbiology.

## Minutes of Board of Studies for M. Sc. Microbiology

**Dr. C. J. Chandekar, Dr. Aarti Deshpande and Dr. Kiran Pote** recommended certain changes in syllabus of M.Sc Microbiology. Experts suggested to add certain industry oriented practicals like Preparation of Biofertilizer and Biopesticides and their quality control, Partial purification of enzymes, DNA fingerprinting. Some practicals should be deleted which already students perform in B.Sc like Estimation of DNA and RNA. The panel recommended the M.Sc syllabus should be NET/SET/GATE examination oriented which may help students to crack the entrance examination for Ph. D. and other competitive exams of Lifesciences.

*Dr. Chandekar*  
Chairman  
BOS in Microbiology  
T. P. ... ..

**Subject No. 3**

Approval for the panel of paper setters for B. Sc. (Sem I and II) and M. Sc. Microbiology (Sem I and II)

A panel of of paper setters for B. Sc. (Sem I and II) and M. Sc. Microbiology (Sem I and II) finalized (sheet is attached herewith)

**Subject No. 4**

Approval for the panel of moderators for B. Sc. (Sem I and II) and M. Sc. Microbiology (Sem I and II)

A panel of moderators for B. Sc. (Sem I and II) and M. Sc. Microbiology (Sem I and II) finalized (sheet is attached herewith)

**Subject No. 5**

Approval for the panel of valuers for the examination of B. Sc. (Sem I and II) and M. Sc. Microbiology (Sem I and II)

A panel of valuers for B. Sc. (Sem I and II) and M. Sc. Microbiology (Sem I and II) finalized (sheet is attached herewith)



Dr. Ms. S. S. Khandare  
Asso. Prof. and Head ,  
Dept. of Microbiology ,  
J. B. College of Science, Wardha  
Chairman Board of Studies in Microbiology