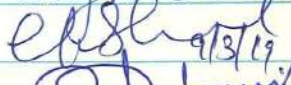
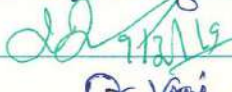
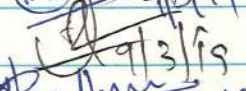
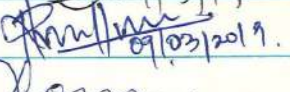
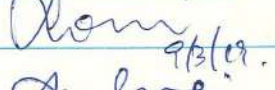
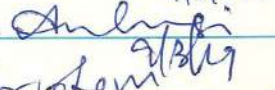
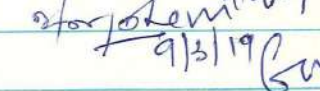
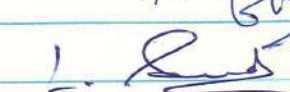
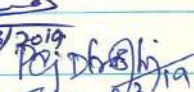
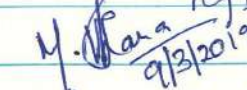
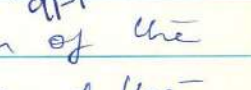
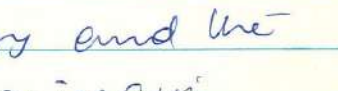


## Minutes of the meeting - Board of studies PG and Research Department of Biotechnology

16th meeting of Board of studies in Biotechnology in the autonomous scheme under "CBES" was held on Saturday 09.03.2019. at 10.30 am in the Department of Biotechnology.

The chairman of the Board presided over the meeting and the following members were present.

| Name                 | Designation        | Signature                                                                                        |
|----------------------|--------------------|--------------------------------------------------------------------------------------------------|
| Dr. V. BHUVANESHWARI | Chairman.          |  9/3/19       |
| Dr. P. CHIDAMBARAMAN | University Nominee |  9/3/19       |
| Dr. S. DURJAN        | Subject Expert 1   |  9/3/19      |
| Dr. A. SANKILINATHU  | Subject Expert 2   |  9/3/19      |
| Dr. R. RAJONATHAN    | Ind. Expert -      |  9/3/19     |
| Dr. S. VIJAYAKUMAR   | Alumni             |  9/3/19     |
| Dr. P. CHIDAMBARAMAN | Asst. Prof.        |  9/3/19     |
| Dr. P. Senthil Kumar | Asst Prof          |  9/3/19     |
| Dr. R. Anandaram     | Asst Prof          |  09/03/2019 |
| Dr. J. Rathin Kumar  | Asst Prof          |  9/3/19     |
| Dr. C. Sowma         | Associate Prof     |  9/3/19     |
| Dr. G. Anbarasan     | Asst Prof          |  9/3/19     |
| Dr. R. Ranjit Kumar  | Asst Prof          |  9/3/19     |
| Mr. M. Gokul Ramnath | Asst Prof          |  9/3/19     |
| Mr. Surendran        | GL                 |  9/3/2019   |
| Ms. Priya Darshan    | III BSCBT          |  9/3/19     |
| Ms. Tharagani Priya  | II MSc. BT         |  9/3/2019   |

The chairman welcomed the members of the Board of studies in Biotechnology and the members were introduced. The chairman briefly explained the happenings of the 15th meeting of Board of studies. Resolution passed the Introduction of OBE, SWAYAM, from the academic year 18 till date.



- 1) 1 semester - Bioinstrumentation and Biophysics changed to Bioinstrumentation and Environmental Biotech
- 2) suggested by BBS-
- 3) course objective changed.
- 4) 2nd semester - Microbiology
- 5) Mass spectrometry in 2nd unit -
- 6) Sonication near centrifugation in unit 1.
- 7) Delete lyophilization
- 8) Unit - 5 - Delete lyophilization
- 9) Unit - 5 - Delete Bioinstrumentation
- 10) Teaching methods - Demonstrations to be included.

10) Cell Biology - Enzyme linked Receptor cells (leukine)  
Reproductive cells added.  
Suggested by BBS members.

11. 3rd semester ~~BBS~~ - 2nd year.  
Genetics and molecular Biology
12. 4th semester - Fundamentals of Biochemistry -

13. As per student suggestion  
University nominee & staff - yearly practical shifted to semester practical

14. 1st sem - Practical - Cell Biology & Bioinstrumentation
- 2nd sem - " - Microbiology
- 3rd sem - " - Genetics & Molecular Biology
- 4th sem - " - Biochemistry

15. 5th semester - Fundamentals of Biochemistry

16. 5th semester ~~Enviro BS~~, Bio safety, PCR, Bionanotechnology - Paper name changed from Nanotechnology



17. ~~Versiconazole~~ - the unit - 5 - Mushroom cultivation included. <sup>Instrumentation</sup> Bio ~~diversity~~ and Environment BT.
18. Medical BT removed. (Elective)
19. Bio entrepreneurship - Algal Bi, Natural products as elective. (1, 2, 3)
20. Chemical Research + Medical coding - JOC included.
21. Agro Industrial BT - JOC included.
22. Recent Book references can be included.
23. water conductivity topic in Fundamentals of
24. HMP shift in unit - 2 FOPBC.
25. Regulation can be included.
26. Practical Cell <sup>ultra</sup> Biology and Bio Instrumentation.
27. Amino acid - Arg, Tyrosine. included in Practicals
28. Fund. of BC - Physicochemical property.
29. Pedigree to be taken from genomes.
30. Numerical taxonomy (molecular) - Microbiology paper. - Included (topic).
31. ~~coala~~ Agar slant (Microbiology practical included, soil word included).
32. Remove Immune surveillance, add ELISA (Immunology).
33. Eukaryotes topic change in molecular Biology - unit - 3.
34. rDNA tech - Sanger DNA sequencing removed. unit - 3.
35. ABI - Types of eggs included, unit 3 - Add MTT assay.
36. ~~VDI~~ RNAi silencing - Removed. - ABI -
37. ABI Practicals - PBMC method <sup>6</sup> included. (haemocytometer)
38. BPT - Photobioreactor - included. unit - 2. Change odor - Bioreactor - unit - 2.



39. ~~cont~~ ~~ex~~ ~~ex~~ - PBT shift - 2nd unit to 1st unit, conventions methods - Self, cross pollination (included).
40. Proteomics & genomics - changed certain topics.
41. Molecular Docking in BT practicals can be included.
42. PC - syllabus & 2 practicals  
1st - Bio statistics, BT, <sup>Bio chemistry</sup> ~~Physiological chemistry~~  
2nd. Mol. <sup>molecular</sup> ~~Microbiology~~ <sup>genetics</sup> & ~~Microbiology~~
43. Student suggestions (PC)  
Major Elective - removed.
43. 2nd 3rd sem → Fermentation technology
44. Biochemistry - Theory - have to be changed.
45. All subjects UG & PG syllabus have to be different.
46. Probiotics & bacteriocins
47. HPV Her → Microbiology - paper - topics included.
48. Phosphorus, urea include. column chromatography, Enzyme kinetics (include)  
(Albumin, vit C - removed) - BC practical
49. Microbiology Practical
50. Dye decolorization - EBT practicals - using enzyme lactase from microbes.
51. Bio degradation of dyes.
52. Nanotechnology - changed to Pro nanotechnology
53. Bio fertilizer - Vermicast - EBT practicals included.
54. Isolation of protoplast & fusion - Demo - PBT practicals - it is included
55. Microbiology - Isolation of microbes



from soil has to be changed as.  
 antibiotic producing microorganism from soil.  
 56. Bio entrepreneurship, marine and Algal  
 Biotechnology was introduced instead of marine  
 Biotechnology.

57. In elective Medical Biotechnology removed  
 and Introduced Natural products.

58. Competitive scheme I & II the syllabus was  
 completely changed as per CSIR-NET-SET  
 syllabus.

59. Lab in Fermentation Technology Plant  
 biotechnology and Computational Biology in  
 3rd semester.

60. In 2nd semester Environmental Biotechnology  
 and Bio nanotechnology was Introduced.

61. Genomics, proteomics and computational Biology  
 in 3rd semester. Major Elective II in 4th  
 semester.

62. Feedback form of all the stake holders were  
 collected and analyzed.

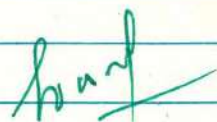
63. List of panel members has been updated.

64. MoU has been signed with ABBES Biotech, Chennai, an  
 Centre for Nano Science Research, Coimbatore along with Kongunadu  
 Arts and Science College.

  
 9/3/19.

Dr. V. BHUVANESHWARI  
 M.Sc., M.Phil., Ph.D., PGDSE, PGDMET, SET  
 Assistant Professor & Head  
 PG & Research Dept. of Biotechnology  
 Kongunadu Arts & Science College  
 Coimbatore - 641 029, TN, INDIA





PRINCIPAL  
 Kongunadu Arts & Science College  
 COIMBATORE-641 029

