

**DEPARTMENT OF ZOOLOGY**  
**DEVA MATHA COLLEGE, KURAVILANGAD**

**Affiliated to Mahatma Gandhi University, Kottayam**



**REPORT**  
**ADD-ON COURSE**

**In**

**INTRODUCTION TO VERMICOMPOSTING**

**Academic Year 2021-22**

Academic year : 2021-2022  
Coordinator : Arunima Sebastian

### **A brief report on program**

Department of Zoology offers add on course on 'INTRODUCTION TO VERMICOMPOSTING' for our III UG students. This course mainly focuses on methods of vermicomposting techniques. This course help learners to manage household waste and enlighten them with the knowledge of organic methods for waste disposal.

## **SYLLABUS**

### **OBJECTIVES**

- The interested students will get the knowledge of composting
- Students will be able to compost in a limited space and describe the decomposing process.
- They will also turn towards organic farming
- Will help to maintain the environment pollution free

### **MODULE I**

**3hr**

Role as four r's of recycling reduce, reuse, recycle, restore.

Introduction to vermiculture. Definition.

Biology of Eisenia foetida and Eudriluseugeniae.

### **MODULE II**

**12hr**

Small Scale Earthworm farming for home gardens - Earthworm compost for home gardens

Conventional commercial composting - Earthworm Composting larger scale vermicomposting harvest and processing.

Nutritional Composition of Vermicompost

Vermiwash collection, composition & use

### **PRACTICAL**

**15 hr**

Preparation Of Vermibed

Harvest Of Vermicompost

Collection Of Vermiwash

(Demonstration Only)

## OUTCOME

- Understand importance of earthworms in soil fertility
- Familiarize with alternative ways to manage the wastes


## STUDENT LIST

| <b>Sl. No</b> | <b>Roll No</b> | <b>Name of the student</b> | <b>Department</b> |
|---------------|----------------|----------------------------|-------------------|
| 1.            | 401            | AIWIN JOSE                 | Zoology           |
| 2.            | 403            | ARJUN MADHU                | Zoology           |
| 3.            | 404            | AKSHARA AJITHKUMAR K       | Zoology           |
| 4.            | 406            | ANJANA M REGHU             | Zoology           |
| 5.            | 407            | ANJANA RAJU                | Zoology           |
| 6.            | 410            | DEVIKA M.AJI               | Zoology           |
| 7.            | 411            | DEVIKA PRASOBHAN           | Zoology           |
| 8.            | 412            | JASERA ANSAR               | Zoology           |
| 9.            | 415            | MUHSINA K H                | Zoology           |
| 10.           | 416            | MURPHY T S                 | Zoology           |
| 11.           | 417            | NAJUMUNNISA N.A            | Zoology           |
| 12.           | 418            | NAVAMEE PRASAD             | Zoology           |
| 13.           | 419            | PARVATHY B NAIR            | Zoology           |
| 14.           | 420            | PARVATHY SANEESH           | Zoology           |

|     |     |                         |         |
|-----|-----|-------------------------|---------|
| 15. | 421 | RESHMA K SAJAD          | Zoology |
| 16. | 422 | SONA SAJI               | Zoology |
| 17. | 424 | ABHISHEK ANIL           | Zoology |
| 18. | 425 | ABIN JOSE               | Zoology |
| 19. | 426 | AKSHAY RAJEEV           | Zoology |
| 20. | 427 | ALAN M GEORGE           | Zoology |
| 21. | 428 | JEEVAN JOY              | Zoology |
| 22. | 429 | JEEVAN JOYCE            | Zoology |
| 23. | 430 | JOEL JOSE               | Zoology |
| 24. | 431 | MANU MATHEW             | Zoology |
| 25. | 432 | SARATHKUMAR T S         | Zoology |
| 26. | 433 | SIDHARTH MANGATTU SAJU  | Zoology |
| 27. | 434 | ALEENA ANTONY           | Zoology |
| 28. | 435 | AMISHA ANNA CHACKO      | Zoology |
| 29. | 436 | ANAINA JOY              | Zoology |
| 30. | 437 | ANAVADHYA MOL P S       | Zoology |
| 31. | 438 | ANEETA SHIBU            | Zoology |
| 32. | 439 | ANJANA S                | Zoology |
| 33. | 440 | ANJU PANKAJAKSHAN       | Zoology |
| 34. | 441 | ANSHANA BEEGAM          | Zoology |
| 35. | 442 | ARCHANA<br>SUBRAHMONIAN | Zoology |

|            |            |                           |                |
|------------|------------|---------------------------|----------------|
| <b>36.</b> | <b>445</b> | <b>DEVIKA.V.S</b>         | <b>Zoology</b> |
| <b>37.</b> | <b>446</b> | <b>FATHIMA C.S</b>        | <b>Zoology</b> |
| <b>38.</b> | <b>447</b> | <b>GAYATHRI SURENDRAN</b> | <b>Zoology</b> |
| <b>39.</b> | <b>449</b> | <b>HARITHA ASHOKAN</b>    | <b>Zoology</b> |
| <b>40.</b> | <b>451</b> | <b>MEGHA M</b>            | <b>Zoology</b> |
| <b>41.</b> | <b>453</b> | <b>PARVATHY BABU</b>      | <b>Zoology</b> |
| <b>42.</b> | <b>455</b> | <b>SALOMI P GEORGE</b>    | <b>Zoology</b> |
| <b>43.</b> | <b>457</b> | <b>SHEETHAL MARIA JOE</b> | <b>Zoology</b> |
| <b>44.</b> | <b>458</b> | <b>SONA SUNNY</b>         | <b>Zoology</b> |
| <b>45.</b> | <b>460</b> | <b>VISMAYA SAJEEV</b>     | <b>Zoology</b> |

## ATTENDENCE REPORT

| Sl. No | Roll No | Name of the student  | Department | Signature   |
|--------|---------|----------------------|------------|---|
| 1.     | 401     | AIWIN JOSE           | Zoology    |     |
| 2.     | 403     | ARJUN MADHU          | Zoology    |    |
| 3.     | 404     | AKSHARA AJITHKUMAR K | Zoology    |     |
| 4.     | 406     | ANJANA M REGHU       | Zoology    |     |
| 5.     | 407     | ANJANA RAJU          | Zoology    |     |
| 6.     | 410     | DEVIKA M.AJI         | Zoology    |    |
| 7.     | 411     | DEVIKA PRASOBHAN     | Zoology    |     |
| 8.     | 412     | JASERA ANSAR         | Zoology    |   |
| 9.     | 415     | MUHSINA K H          | Zoology    |   |
| 10.    | 416     | MURPHY T S           | Zoology    |   |
| 11.    | 417     | NAJUMUNNISA N.A      | Zoology    |   |
| 12.    | 418     | NAVAMEE PRASAD       | Zoology    |   |
| 13.    | 419     | PARVATHY B NAIR      | Zoology    |   |
| 14.    | 420     | PARVATHY SANEESH     | Zoology    |   |
| 15.    | 421     | RESHMA K SAJAD       | Zoology    |   |
| 16.    | 422     | SONA SAJI            | Zoology    |  |
| 17.    | 424     | ABHISHEK ANIL        | Zoology    |   |
| 18.    | 425     | ABIN JOSE            | Zoology    |   |
| 19.    | 426     | AKSHAY RAJEEV        | Zoology    |   |

|     |     |                        |         |                 |
|-----|-----|------------------------|---------|-----------------|
| 20. | 427 | ALAN M GEORGE          | Zoology | <i>AG</i>       |
| 21. | 428 | JEEVAN JOY             | Zoology | <i>Jeevan</i>   |
| 22. | 429 | JEEVAN JOYCE           | Zoology | <i>Jeevan</i>   |
| 23. | 430 | JOEL JOSE              | Zoology | <i>Joel</i>     |
| 24. | 431 | MANU MATHEW            | Zoology | <i>Manu</i>     |
| 25. | 432 | SARATHKUMAR T S        | Zoology |                 |
| 26. | 433 | SIDHARTH MANGATTU SAJU | Zoology | <i>S</i>        |
| 27. | 434 | ALEENA ANTONY          | Zoology | <i>Aleena</i>   |
| 28. | 435 | AMISHA ANNA CHACKO     | Zoology | <i>Amisha</i>   |
| 29. | 436 | ANAINA JOY             | Zoology | <i>Anaina</i>   |
| 30. | 437 | ANAVADHYA MOL P S      | Zoology | <i>Ana</i>      |
| 31. | 438 | ANEETA SHIBU           | Zoology | <i>Aneeta</i>   |
| 32. | 439 | ANJANA S               | Zoology | <i>Anjana</i>   |
| 33. | 440 | ANJU PANKAJAKSHAN      | Zoology | <i>Anju</i>     |
| 34. | 441 | ANSHANA BEEGAM         | Zoology | <i>AA</i>       |
| 35. | 442 | ARCHANA SUBRAHMONIAN   | Zoology | <i>A</i>        |
| 36. | 445 | DEVIKA.V.S             | Zoology | <i>Devi</i>     |
| 37. | 446 | FATHIMA C.S            | Zoology | <i>Fathima</i>  |
| 38. | 447 | GAYATHRI SURENDRAN     | Zoology | <i>Gayathri</i> |
| 39. | 449 | HARITHA ASHOKAN        | Zoology | <i>Haritha</i>  |

|     |     |                 |         |                        |
|-----|-----|-----------------|---------|------------------------|
| 40. | 451 | MEGHA M         | Zoology | <i>Joshi</i>           |
| 41. | 453 | PARVATHY BABU   | Zoology | <i>Parvathy</i>        |
| 42. | 455 | SALOMI P GEORGE | Zoology | <i>Salomi P George</i> |
| 43. | 457 | SHEETHAL S NAIR | Zoology | <i>Sheethal S Nair</i> |
| 44. | 458 | SONA SUNNY      | Zoology | <i>Sona Sunny</i>      |
| 45. | 460 | VISMAYA SAJEEV  | Zoology | <i>Vismaya Sajeev</i>  |

*Annina Sebastian*



DEPARTMENT OF ZOOLOGY

ADD ON: VERMICULTURE

ATTENDANCE SHEET


| Sl. No | Roll No | Name of the student  | 20/11/21 | 23/12/21 | 24/1/22 | 25/2/22 | 2/3/22 | 3/3/22 |
|--------|---------|----------------------|----------|----------|---------|---------|--------|--------|
| 1.     | 401     | AIWIN JOSE           | X        | X        | X       | X       | X      | X      |
| 2.     | 403     | ARJUN MADHU          | X        | X        | X       | X       | X      | X      |
| 3.     | 404     | AKSHARA AJITHKUMAR K | X        | X        | X       | X       | X      | X      |
| 4.     | 406     | ANJANA M REGHU       | X        | X        | X       | X       | X      | X      |
| 5.     | 407     | ANJANA RAJU          | X        | X        | X       | X       | X      | X      |
| 6.     | 410     | DEVIKA M.AJI         | X        | X        | X       | X       | X      | X      |
| 7.     | 411     | DEVIKA PRASOBHAN     | X        | X        | a       | X       | X      | X      |
| 8.     | 412     | JASERA ANSAR         | X        | X        | X       | X       | X      | X      |
| 9.     | 415     | MUHSINA K H          | X        | X        | X       | X       | X      | X      |
| 10.    | 416     | MURPHY TS            | X        | X        | a       | X       | X      | X      |
| 11.    | 417     | NAJUMUNNISA N.A      | X        | X        | X       | X       | X      | X      |
| 12.    | 418     | NAVAMEE PRASAD       | X        | X        | X       | X       | X      | X      |
| 13.    | 419     | PARVATHY B NAIR      | X        | X        | X       | X       | X      | X      |
| 14.    | 420     | PARVATHY SANEESH     | X        | X        | X       | X       | X      | X      |
| 15.    | 421     | RESHMA K SAJAD       | X        | a        | X       | X       | X      | X      |
| 16.    | 422     | SONA SAJI            | X        | a        | X       | X       | X      | X      |
| 17.    | 424     | ABHISHEK ANIL        | a        | X        | X       | X       | X      | X      |

|     |     |                        |   |   |   |   |   |   |
|-----|-----|------------------------|---|---|---|---|---|---|
| 18. | 425 | ABIN JOSE              | X | a | X | X | X | X |
| 19. | 426 | AKSHAY RAJEEV          | X | X | X | X | X | X |
| 20. | 427 | ALAN M GEORGE          | X | a | X | X | X | X |
| 21. | 428 | JEEVAN JOY             | X | X | X | X | X | X |
| 22. | 429 | JEEVAN JOYCE           | X | X | X | X | X | X |
| 23. | 430 | JOEL JOSE              | X | X | a | X | X | X |
| 24. | 431 | MANU MATHEW            | a | X | X | X | X | X |
| 25. | 432 | SARATHKUMAR T S        | a | a | a | a | X | a |
| 26. | 433 | SIDHARTH MANGATTU SAJU | X | X | X | X | X | X |
| 27. | 434 | ALEENA ANTONY          | X | X | X | X | X | X |
| 28. | 435 | AMISHA ANNA CHACKO     | X | X | X | X | X | X |
| 29. | 436 | ANAINA JOY             | X | X | X | X | X | X |
| 30. | 437 | ANAVADHYA MOL P S      | a | X | X | X | X | X |
| 31. | 438 | ANEETA SHIBU           | X | X | X | X | X | X |
| 32. | 439 | ANJANA S               | X | X | X | X | X | X |
| 33. | 440 | ANJU PANKAJAKSHAN      | X | X | X | X | X | X |
| 34. | 441 | ANSHANA BEEGAM         | X | X | X | X | X | X |
| 35. | 442 | ARCHANA SUBRAHMIONIAN  | X | X | X | X | X | X |
| 36. | 445 | DEVIKA.V.S             | X | X | X | X | X | X |
| 37. | 446 | FATHIMA C.S            | X | X | X | X | X | X |

|     |     |                    |   |   |   |   |   |   |
|-----|-----|--------------------|---|---|---|---|---|---|
| 38. | 447 | GAYATHRI SURENDRAN | a | a | - | 1 | 1 | 1 |
| 39. | 449 | HARITHA ASHOKAN    | x | x | x | 1 | 1 | 1 |
| 40. | 451 | MEGHA M            | a | x | x | 1 | 1 | 1 |
| 41. | 453 | PARVATHY BABU      | x | x | x | 1 | 1 | 1 |
| 42. | 455 | SALOMI P GEORGE    | x | x | x | 1 | 1 | 1 |
| 43. | 457 | SHEETHAL MARIA JOE | x | x | x | 1 | 1 | 1 |
| 44. | 458 | SONA SUNNY         | x | x | x | 1 | 1 | 1 |
| 45. | 460 | VISMAYA SAJEEV     | x | x | x | 1 | 1 | 1 |

  
 03/03/2022  
 Ammina Sebastian

**CERTIFICATE COPY**




**DEVA MATHA COLLEGE KURAVILANGAD**

DEPARTMENT OF ZOOLOGY

ADD-ON COURSE IN VERMICULTURE

*Certificate*



*This is the certify that.....has successfully completed the add-on course in Introduction to Vermicomposting, conducted by Department of Zoology in the academic year 2021-22 and secured.....grade.*

\_\_\_\_\_

**HOD**  
Department of Zoology

\_\_\_\_\_

**Co-ordinator**

\_\_\_\_\_

**Principal**  
Deva Matha College kuravilangad



*Amit Kumar*

Principal  
Deva Matha College  
Kuravilangad - 686 633



*Arunima Sebastian*

Arunima Sebastian  
Add On Course Coordinator  
Department of Zoology