



S.R.R. & C.V.R. GOVT. DEGREE COLLEGE

Autonomous & ISO900: 2015 Certified Institution,
NIRF -2020 ranked 101-150 band and NIRF - 2019: 151-200 rank band Institution

NAAC accredited with 'B+' Grade

Machavaram, VIJAYAWADA - 520 004. Krishna District.

Ph : 0866-2430060, Fax : 0866-2441092, www.srrcvr.org, srrandcvr@gmail.com



DEPARTMENT OF ZOOLOGY

WASTE RECYCLING

Department of Zoology has initiated the practice of recycling the organic waste produced in the college like dry leaves, twigs, paper waste, fruit and vegetable wastes etc., through vermiculture since 2017 onwards

SOLID WASTE MANAGEMENT

Solid-waste management, the collecting, treating, and disposing of solid material that is discarded because it has served its purpose or is no longer useful. Improper disposal of solid waste can create unsanitary conditions, and these conditions in turn can lead to pollution of the environment and to outbreaks of vector-borne disease—that is, diseases spread by rodents and insects.

VERMICOMPOSTING

Vermicomposting is an ecofriendly, low cost productive technique which converts solid waste materials like agricultural and kitchen wastes into useful organic manure by earthworms. As we all know earthworms play a key role in improving the fertility of the soil. They feed on any organic waste, consume 2-5 times their body weight and after using 5 – 10 percent of the feed stock for their growth excrete the mucus coated undigested matter in the form of pellets called worm castings. The nutrients present in worm castings are readily soluble in water for the uptake of plants. Worm casts are a rich source of macro and micronutrients, vitamins, enzymes, growth hormones and a good amount of microbial components.

STEPS INVOLVED IN THE PROCESS

Identification of Earthworms

Collection and preparation of bedding materials

Preparation of beds for vermicompost

Inoculation

Separation of worms and vermicompost

Maintenance of vermiculture



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Preservation and packing of vermicompost





