



AGRO-MITRA A Magical Compound with Potential Effects

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Abstract:

Chemical pesticides and fertilizers causes severe diseases in humans like cancers, affects micro-flora of soil, water and nature. They cause biomagnifications, the most unavoidable evil to nature. So it's a urgent need to replace agrochemicals by biodegradable organic chemicals to protect the crop production". This can be done by using AGRO-MITRA

Converting organic waste into fermented juice, is known as Eco enzyme

Agro-mitra", a fermentation product of kitchen waste, water and brown sugar, is claimed in the media as a multipurpose solution for household and agricultural uses. This solution has the capacity to breakdown, change, create and catalyze - functions that make it a wonderful, BIO-FERTILIZER, pesticide and cleaning aid .This study assesses the effects of dilutions (5% to 75%) of Agro-mitra in reducing pollutants in domestic wastewater. The pH of the Agro-mitra was found to be 3.5, BOD concentration about 150 mg/L. Test results showed that the Eco enzyme raised the wastewater's BOD in proportion to its dilution due to its high organic content. For mixtures with more than 10% Agro-mitra, its pH remained acidic after the 5-day digestion period. However, it seems that ammonia nitrogen and phosphorus could be removed by the addition of the Agro-mitra. The most economic solution for removal of ammonia nitrogen and phosphorus was found to be 9%. Further tests are required to understand the removal mechanisms of the ammonia nitrogen and phosphorus

Biography:

AKSHAY is student by profession and works as president of one of the NGO in parbhani maharashtra . He holds a BSc and currently pursuing a Master of science degree in Botany shri shivaji college parbhani He has also been



involved as volunteer in covid19 pandemic in parbhani city . He has published two biological research paper in IJRAR and IJCRT JOURNALS. He participated three times in state level avishkar research festival and national level An-vention Research festival

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2. Journal of World Aquaculture Society, volume 43, issue 2, p. 238 - 248 Posted: 2012
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4. S D Tokpohozin, J Fall, A Loum, M Sagne, M Diouf Use of eco enzymes in tilapia diets: effects of growth performance and carcass composition International Journal of Advanced Research in Biological Sciences, volume 2, issue 11, p. 143 - 154 Posted: 201

Webinar on Nano-Engineering and Its Applications

Citation: Akshay vilas shinde; A Magical Compound with Potential Effects; Nanotech 2020; July 22, 2020; London, UK