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42.	BIOPHYSICS USES IN AGRICULTURE Kulkarni.S.S and P.D.Gaikwad	201-202
43.	STUDY OF NERVOUS SYSTEM AND NEUROSECRETORY CELLS IN CESTODE GANGASIA (GANGASIA) RAMKAI PAWAR, 2008 FROM FRESHWATER FISH WALLAGO ATTU Rajkumar T. Pawar	203-207
44.	INCIDENCE OF POST-HARVEST FUNGI ON MANGO AND PAPAYA AND THEIR IMPACT ON NUTRITIONAL STATUS R.B. Kakde and R.S. Gaikwad	208-214
45.	ISOLATION OF POST-HARVEST SPOILAGE FUNGI ASSOCIATED WITH MEDICINAL PLANT PARTS Rajesh S.Gaikwad, Rajendra B. Kakde and P. P. Pangrikar	215-219
46.	THERMODYNAMIC STUDY OF COMPLEXATION OF TRANSITION METAL IONS WITH SCHIFF BASE 2-HYDROXY-5-BROMO ACETOPHENONE-N-(4-METHYLPHENYL) IMINE IN 50%(V/V) ETHANOL-WATER MEDIUM RajpalJadhav, Hansaraj Joshi, S.D.Naikwade S.B.Ubale and S hailendrasingh Thakur	220-223
47.	MIXED LIGAND COMPLEXES OF COPPER METAL ION WITH IBUPROFEN DRUG AND AMINO ACIDS IN AQUEOUS MEDIA Shailendrasingh Thakur and Ramesh Ware	224-229
48.	CHEMICAL MUTAGENIC EFFECT ON POLLEN FERTILITY IN M1 GENERATION OF LINSEED (<i>Linum usitatissimum</i> L.) Anil K. Rode and Navnath G. Kashid	230-232
49.	STUDIES ON SOME PHYSICO-CHEMICAL CHARACTERISTICS OF GROUND WATER IN RURAL AREA OF SILLOD TEHSIL DIST. AURANGABAD FROM MARATHWADA REGION. S. A. Kadam, S. T. Naphade and P. S. Patil	233-239
50.	ENDOCRINOLOGY OF REPRODUCTON IN THE MARINE CRAB, OZIUS RUGULOSA S. V. Saraf	240-244
51.	GENERIC DELIMITATION AND SPECIES POLYMORPHISM COMPLEXES IN CYPERACEAE S.S. Choudhari	245-246
52.	SURVEY OF BIGNONIACE FAMILY MEMBERS FROM SHRI SHIVAJI COLLEGE CAMPUS PARBHANI (M.S) Sabiha and V Syed (Bagwan)	247-248
53.	WATER QUALITY ANALYSIS OF FRESHWATER POND, RAMKUND, NASHIK Shinde S.S. and Tidame S.K	249-251
54.	EFFECT OF LEAF LITTER COMPOSTS ON CHLOROPHYLL CONTENT AND NUTRIENT UPTAKE OF SPINACH Bapu Sarwade, Tukaram Gitte and P. P. Pangrikar	252-257
55.	PHARMACOGNOSTIC STUDIES ON BARK OF <i>BARRINGTONIA ACUTANGULA</i> (L.) GAERTN. Shaikh M. D. and M. A. Kare	258-264
56.	<i>pH</i> METRIC STUDY OF MIXED LIGAND COMPLEXES OF CADMIUM METAL ION WITH BENAZEPRIL DRUG AND AMINO ACIDS IN 20 % (V/V) ETHANOL-WATER MEDIUM Ramesh Ware and Shailendrasingh Thakur	265-269

BIOPHYSICS USES IN AGRICULTURE

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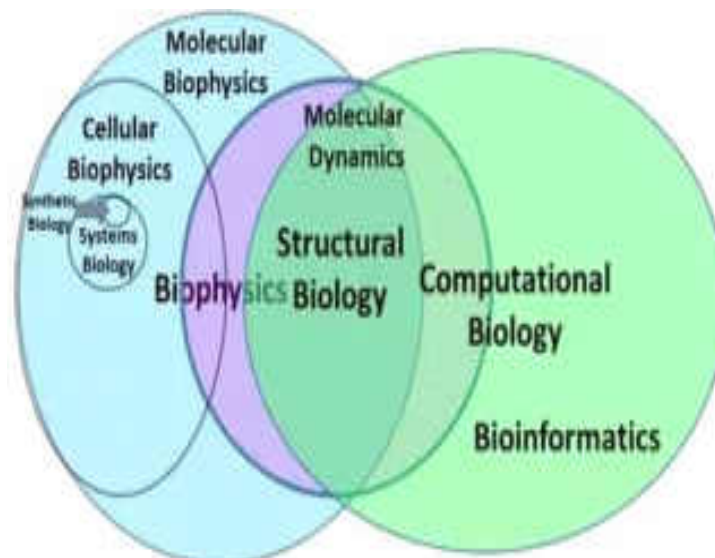
Abstract

Agriculture has different meanings for different people. For some of them it means continue farming routine, it is a management system for giving food production again and again naturally, profit and livelihood for 20th and next generations, maintaining and improving financial productivity and the ecosystem. agriculture gives financial support to our country. Many agricultural chemicals are used for fertilizing crops, controlling pests and used to develop farming , and food transport. But in some cases there is an impact on the environment and on human being. On the other hand, the use of chemical reduces soil fertility and crops resistance, resulting lower proportion in plant resistance, plant yield and soil yielding capacity. Biophysical methods ,their uses, effects are useful for plants to grow up at a higher level .the fact that physics methods increase the energy and crop development. Given methods acts on seed of crop for yielding plant and higher productivity.

.Keywords: Biophysics, biophysical methods, agriculture, productivity.

Introduction

The farming yields, with traditional measurements (soil cultivation, fertilization, irrigation, protection of crops etc), is increases more amount of energy due to this, today's production is limited and expensive, for this, we are elaborate the techniques for increasing yielding capacity of crops, also chemical fertilizer give reverse effects on the surrounding environment and living organism uses of these types of fertilizers decreases crop production and soil fertility. Agriculture is to utilize fertilizers, chemicals, manure efficiency through the use of soil testing, innovative crop management techniques, integrated pest management, use of natural growing regulators and biostimulators and control of water and air pollution. For growing crop the biophysical methods are very useful nowadays.



Methods used in plant development

Electromagnetic stimulation .magnetic stimulation, Dialectical separation and stimulation of seed

Method of Agriculture

Human success in crop production has capability and knowledge for harmonization of plant needs and soil and climatic conditions potential for every plot and region, resulting in higher and stable production. The production of one unit agricultural product, ten times more energy is spending than before. thus possibilities for more efficient and effective usage of energy by the plants. Many results from scientific research showing effects on yeild and development of the crop. but we are facing some crices for growth and production of plant due lack of water and some other things. The applying methods on seed by different types of radiation gives positive effects. such as He-Ne lasers, used in farming , forestry, and food technologies. From this we can treat seed, seedlings, plants, with these lasers, as is irrigation water, also The method resonant impulse and electromagnetic stimulation is affected on seeds. These stimulation are done by required frequency of crops.

Effect in agriculture

In agriculture crop development Increased seed germination, Decreased seed rates, Increased root masses, Increased vegetative masses, Increased yield, Increased resistance on outside influence. In this paper, using different stimulation methods on seed gives higher product in agriculture and food production also economic balance, available in large proportionity

Conclusion

Seed of crop gives higher product in agriculture

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