



Advanced Doctorate Of Philosophy One Year Diploma In Bio-Eco-Bio Cum Bio-Eco-Bio Biotechnological Bio-Eco-Bio Plant Sciences Cum Advanced & Applied Bio Plant Sciences (Bio-Eco- Bio Edible Herbal)

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ABSTRACT

Advanced Doctorate of Philosophy one year Diploma in Bio-Eco-Bio cum Bio-Eco-Bio Biotechnological Bio-Eco-Bio Plant Sciences cum Advanced & Applied Bio Plant Sciences (Bio-Eco-Bio Edible) was Done at Capsicum sp. Allium sativum sp. Guava Plantlet with Future Research Discussion which has to Execute As Soon As Possible. Also Advanced Doctorate of Philosophy One Year Diploma Discusses Theory for Biological Thermodynamics in Buds or Seed Germination of Allium sativum sp. & Capsicum sp.

Key Words Allium sativum sp. Capsicum sp. Bio-Eco-Bio Edible

Introduction cum Review of Literature

Capsaicin is a biochemical found in Chili plant (Capsicum sp.) Capsaicin is an alkyl vanillylamine (capsaicinoid) having chemical formula $C_{18}H_{27}NO_3$. Red Chilli is known to provides potential new antimicrobials. Capsaicin and related compounds (called capsaicinoids) are potential metabolites of Red Chilli to demonstrate various pharmacological and physiological properties (<https://www.ijrar.org/papers/IJRAR1944311.pdf>).

To overcome the threat of antimicrobial resistance, it is important to introduced innovative and effective new antimicrobials. Garlic has antimicrobial qualities which has botanical name Allium sativum is a plant species used as a spice in food and also used as a medicine both (<https://www.mdpi.com/2076-3417/12/7/3491>).

Guava (Psidium guajava) is economical medicinal plant of Myrtaceae family with high nutraceutical value and is considered to be adopted to tolerate conditions like tolerate frost, drought and salinity. It is widely used as food and in folk medicine all around the world. Guava contains many times higher vitamin C than any other fruits which are rich in vitamin C. The high concentrations of pectin content in guava fruit plays important in cholesterol mentaining to losses the cardiovascular diseases risk. It is low in calories and fats with several antioxidant polyphenolic and flavonoid compounds (<https://www.iosrjournals.org/iosr-javs/papers/Vol10-issue7/Version-2/E1007022835.pdf>).

Bio-Eco-Bio Herbal Fossils Produced by our Research & Development Study can be used in Houses Hotels Offices & in Coffee Shops to Provides New Dimentions to Houses Hotels Offices & In Coffee Shops. However, Fossils Formation & Development By requirement will be changed as Accordance as requirements.

Methodologies & Experiment Preparation & Design

In cultivation Horticulture of Guava small sized plant five parameter were considered viz. Date and Time, Stem Length (All three Stem), Leaves per Stem, Stem Diameter, Leaf Colour. A Table 5 in to 4 was formed to defined experimental data. Experimental day was selected Tuesday dated 22/8/23.

TABLE: 1 EXPERIMENTAL EXPLANATION OF GUAVA SMALL SIZED PLANT

Date and Day	Stem Length (All three Stem)	Leaves per Stem	Stem Diameter	Leaf Colour
22/8/23 and Tuesday	76 cm	40 Leaves / Stem	0.5 Inch	Green
22/8/23 and Tuesday	25 cm	1 Leaves/Stem	0.9 Inch	Green
22/8/23 and Tuesday	22 cm	4 Leaves / Stem	0.2 Inch	Green

For pot preparation 13 cm Pot was selected. To which simple soil till 6 cm was added. At which Approximate 10gm NaCl was spreaded. At which Prepared soil was added till 13 Inch. To which Allium sativum sp. Buds & Capsicum sp. Seeds was Added & Covered with prepared Soil at 31/8/23. At which 1 Fluconazole & 2 Cetrizine tablet solution in 10 ml water was added at 31/8/23 to Prepare antimicrobial Seedlings from Allium sativum sp. Buds & Capsicum sp. Seeds. Also soil will be subjected to Antimicrobial Bioanalysis. At 2/8/23 Soil at till NaCl added was did of pot & NaCl was mixed properly in Soil to which Upper soil was mix with 250 mg Amoxicilin Cloxacilin & Lactic Acid medicinal capsule Powder of Moxbil- LB was added & heated for 5 minutes. However, Allium sativum sp. Buds & Capsicum sp. Seeds were took out side. After cooling to 35 -40 Degree Centegrate of Soil, it was added to Pot & Allium sativum sp. Buds & Capsicum sp. Seed was Spreaded to Soil to which simple soil was added at to their upper of Seeds both. Also Approximate 20 gm Green Methi Seed was added to the pot & Pot was kept in Dark by wrapping with Baas Newspaper (Business Standered) & Kept till Germination with day by day germination identification checking of Pot.

Theoritical Explanation of Experiment

Amit Rastogi Theory for Biological Thermodynamics in Buds or Seed Germination of Allium sativum sp. & Capsicum sp.

Bud of Allium sativum sp. is approximate 2 to 4 cm in length & 2 to 5 cm in diameter which is required high amount of Water Molecules to absorbe to be germinated with micro & macro nutrient from pot soil. There is need to identify germination Energy Entropy & Enthalpy for Bud & seed germination. Also oxygen uptake & oxygen libration identification is also necessary. Hydrogen from water molecule can combat with others uptake nutrient (Macro & Micro) form other bionutrient for seed germination. Also Entropy of hydrogen changes in to enthalpy to germinate Bud & seed of Allium sativum sp. & Capsicum sp. respectively. Also Micronutrient uptake by Bud & seed produced Free Energy to provides Entropy change to Enthalpy to germinate with water molecules from Pot Soil. Microflora in Soil (Moistured Soil) also provides Micronutrients & Macronutrients to the Buds & Seed to Germinate by changing from Entropy to Enthalpy. There is requirement to observe Entropy & Enthalpy Both Enery to Germinate by in term of

Physical or BioPhysical Chemistry Unit. Environment Air with its microflora in which pot with Seed & Bud is placed with its temperature also play an bio Eco Bio Role in the Germination of Seed & Bud. Also Seed & Bud quality is necessary for germination. Here, Quality is in term of Healthy Seed in term of its Biochemical content such as Fat Protein Charbohydrate & Phytochemicals. Provided Antibiotics can check or slow Germination in terms of days. However, here Amit Rastogi is not discussed Methi Seed added to Pot of their Germination. For its Further Theory will be Introduced in upcoming or Upfurther Research Review Paper. As it is Theory Explanation Research Review Paper for Seed Germination From Buds & Seeds of *Allium sativum* sp. & *Capsicum* sp. **There is no requirement of Conclusion or Concluding Remarks.**

Discussion of Research Result & Research Outcome & Further Research cum Experimental Design and Bioanalysis

There were three stem was/is in Guava plant having stem length 76 cm, 25 cm, 22 cm. Leaves per stem was/is 40 Leaves / Stem with stem length 76 cm, 1 Leaves/Stem with 25 stem length, 4 Leaves / Stem was/is with stem length 22 cm where stem diameter was considered 0.5 Inch, 0.9 Inch, 0.2 Inch respectively. Leaf colour was considered as Green with all three stem. Such guava plant will be considered for Biotechnology, Nanobiotechnology & Biopharmaceutical experimental design which includes Chlorophyll & Phytochemical Bioanalysis, Bionanoparticles Bioanalysis, Micropropagation Studies. Such above discussed guava plant was selected because of guava plant is rich in Phytochemical, Biopharmaceuticals to preceed our research till discussed above findings.

Future Research Outcome & Further Research cum Experimental Design and Bioanalysis

Isolation of Antibiotics Solutions From Soil & Its Minimum Inhibitory Concentration with Microbes

Preparation of Seedlings cum Small Sized Plant & Their Fossil Preparation

Isolation of Antibiotics from Fossils & Its Minimum Inhibitory Concentration with Microbes

Antibiotics Compound Detection & Its Structure Determination & Its Comparison with Anothers Antibiotics Structures

Also Structure identification of Selected Microbes in accordance to decides MIC with All Antibiotics Solutions

Select One High MIC Solution with Selected Microbes at which it considered

Antibiotics Preparation Bio-Strategy September 2023

10 ml water was boiled at till 40 – 50 Degree Centigrade to which 1 gm Al_2O_3 Bionanoparticles enriched prepared Soil was added with 1 Ofloxacin & Lactic Acid tablet 1 Paracetamol Tablet 1 Cetrizine Tablet 1 Vitamin E Capsule was added & kept till 30 minutes at which 4 to 5 months old 1 mg Dry antibiotics solution was added with 5 ml water. 100 mg prepared & Dry Ocimum was added in 10 ml water was added & boiled & cooled it till 50 Degree Centigrade & was added to above solution & mixed. Of which First half of prepared solution was Added to Pot Soil & after 3 hour half solution was added to pot soil. Further Pot with soil with Buds & seeds was kept for as Preparation Bio-Strategy.

References

<https://www.iosrjournals.org/iosr-javs/papers/Vol10-issue7/Version-2/E1007022835.pdf>

<https://www.ijrar.org/papers/IJRAR1944311.pdf>

<https://www.mdpi.com/2076-3417/12/7/3491>

One Copy of Published Research Paper with its Entitled & Journal Name

Morphological Studies of Guava (Psidium guajava) Plant Small Sized: A Research Paper in the Niche of Botanical Horticulture International Journal of Scientific Research in Engineering and Management

Possible Theories in Research Preceding Antimicrobial From Allium sativum sp. Buds & Capsicum sp. Seed & Seedlings Fossils Both: A Review with Theoretical Explanation of Biological Thermodynamics in Buds & Seeds Germination International Journal of Engineering Inventions

Research Review Paper Published with its Entitled & Journal Name To Provides Advanced Doctorate Of Philosophy Seven Months Diploma in Bio-Eco-Bio cum Bio-Eco-Bio Biotechnological Bio-Eco-Bio Plant Sciences cum Advanced & Applied Bio Plant Sciences (Bio-Eco-Bio Edible Herbal)

Trigonella foenum-graecum Seed Germination Theory: A Theory in as Accordance to Free Energy Entropy & Enthalpy Change in Seed in/with Soil International Journal of Scientific Research in Engineering and Management

Preparation of Guava (Psidium guajava) Fossil from Guava (Psidium guajava) Plant Small Sized: A Research Paper in the Niche of Fermentation Biotechnology & Biopharmaceutical Soil International Journal of Scientific Research in Engineering and Management.

