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) With Second Preceeding

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Biogeosciences Research & Development

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ABSTRACT

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) 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 Seven Months Diploma Discusses Theory for Biological Thermodynamics in Buds or Seed Germination of Allium sativum sp. & Capsicum sp. However Second Preceeding is also discussed in Advanced Doctorate of Philosophy Seven Months Diploma.

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 C18H27NO3. 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 Cetrazine 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 wraping 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 Chlorophill & 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 Septermber 2023

10 ml water was boiled at till 40 – 50 Degree Centrigrate to which 1 gm Al_2O_3 Bionanoparticles enriched prepared Soil was added with 1 Ofloxacin & Lactic Acid tablet 1 Paracitamole Tablet 1 Cetrazine 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 Centigrate & 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.

Second Preceeding Advanced Doctorate Of Philosophy Seven Months Diploma In The *Nitche* of Advanced Botany *Towards* To Bio-Eco-Bio BioDevelopment of Fruit Variety *Citrus sinensis & Capsicum sp*. Desi Rose Flower Variety & Grapes Variety For Various Purposes From 2023 to 2029

Advanced Introduction

Grapes are one of the world most widely cultivated Variety or you can say horticultural crop. Grapes are enriched in phenolic compounds such as triterpenoid acids, oleanolic and betulinic acids, stilbenoid, daucosterol, E-resveratrol, catechin and Flavanols gallo-catechin. ***Citrus sinensis*** is a rich source of secondary metabolites. Also ***Citrus sinensis*** contains flavonoids steroids hydroxyamides alkanes fatty acids Coumarins peptides carbohydrates carbamates alkylamines carotenoids volatile compounds and nutritional elements such as potassium, magnesium, calcium and sodium. Chilli ***Capsicum annuum*** is a vegetable and spice crop with

aroma & flavour. **Desi Red Rose Flower** is enriched with zinc, magnesium and calcium content with Flavonoids & Beneficiary Phenolic Componds & Sterols. Also Tannins content is found in Desi Red Rose Flower.

Method & Materials with Further Twelth Months To Five Years Research Prospect & With Present Research Procedure Discussion

Method & Materials with Further Twelth Months to Five Years Research Prospect & With Present Research Procedure Discussion is given below with special reference to ***Citrus sinensis*** & ***Capsicum sp.*** Desi Rose Variety ***Rosa indica*** & Graps ***Vitis sp.*** Variety.

Horticultural Bioanalysis of *Citrus sinensis* Hybrid Fruit Plantlet & Bio-Eco-Bio BioDevelopment of Fruit Variety From Amino Acid Multivitamin & Folic Acid Tablet To BioDevelop Synergetic Fruit

Plantlet *Citrus sinensis* Selected was having Main Branch 12.2 Inch Length with one Auxillary Branch having 9.5 Inch Length. Both Main was having Auxillary Branch too. Where Plantlet Upper Soil was Enriched with one Multivitamin Capsule in 10 ml water. Also Upper Soil of Plantlet was Enriched with 5 ml Amino Acid Multivitamin Antioxidant Syrup. Then After 1 Certrazine 5 Tablet Disprin 10 Tablet Folic Acid was Dissolved in 10 ml water & this Solution was added in at Upper Soil of Plantlet in Pot. Then After Upper Soil was Covered with 20 gm Methi Bioseed & Pot will be Kept For 12 Months as it is.

Discription of Small Sized Capsicum sp. Bio-Eco-Bio BioPlant cum Plantlets & BioPreparation cum BioDevelopment of Bio-Eco-Bio Capsicum sp. For Further Bioanalysis BY BioFossil Formation

Main Branch having Capsicum sp. was 17.4 Inch in Length with one Auxillary Branch with 14.5 Inch Length. Cpsicum sp. Small Sized Plantlet was Planted in Small Sized Pot Enriched with Approximately 20 gm Germinated Methi Bioseeds & Round Cereals Bioseed Appximately 20 gm where Bio Soil of Pot was enriched with Antibiotics & Al2O3 Bionanoprticles. After Plantation of Capsicum sp. Plantlet In Pot 500 mg Amoxicillin & 300 mg Fluconazole was Added to The Pot at Upper layer of Soil at 16/12/23 where Fluconaconazole was added in water 10 ml/300 Fluconazole as Solution to the Pot at Upper layer of Soil. At 17/12/23 Pot with Plantlet was Placed in Dark for 3-5 Years For Further Bioanalysis.

Bio-Eco-Bio Biodevelopment of Desi Rose Variety To Isolate AntiMicrobial BioSolution From Desi Red Rose Flower

Took 500 gm Fresh Soil & Mix with 500 gm Germinated Methi Bio Seed. Also add 500mg Amoxicilin to the Soil Prepared. Put this Bio Prepared Soil to 5 Inch Pot. Planted Desi Rose Variety Bio-Edible Plantlet to the Pot with BioPrepared Soil. Add 50 mg/100 ml water at Per 30 days For 24 Months to the Pot Planted with Desi Rose Variety Plantlet. After 24 Months Took Collect 100 gm Desi Rose Flower Bio Edible & Dry Them & Make Powder & Mix with 100 mg $AgNO_3$ Soild & 100 mg $AuCl_3$ Solid & Make Powder. Add this Powder to the 10 /100 v/v Alcohol & water & Make Solution. Perform Steam Distillation & Isolate Antimicrobial BioSolution & Perform AntiMicrobial Activity From Isolated BioSolution by Agar Plate Method & Broth Method.

BioPrepare cum BioDevelopment of Grapes Variety BY Horticultural Botany cum Advanced BotanyHorticultural Bioanalysis of Graps Small Sized Plant cum Plantlet

Took Small Sized Plant cum Plantlet of Grapes & Potted it with Prepared Soil. For this Purpose took small sized Pot for to BioDevelop Grape Variety. BioPreparation of Bio-Eco-Bio BioSoil Grapes Small Sized Plant cum Plantlet For this Purpose First Biosoil have to prepared towards to plantation of Grape small sized Plant cum Plantlet in the Small Sized Pot To prepare Biosoil took 700 gm Soil & Mix it with one Egg unboiled with Approximately 40 gm Methi Bioseed & Took Soil in the Pot & Planted Small Sized Grape Plant cum Plantlet in the Pot &Then after Spread 20 ml water of to it & It is necessary to Enriched Upper Biosoil with Multivitamin

Capsule Solution in water 300 mg/ 10 ml water. Here Amit Rastogi is not Disclosing Multivitamin Capsule Name. It is at was at 9/12/2023. Grapes Plant cum Plantlet Horticulture Parameter as Accordance to Horticulture Botany At 9/12/23 Horticulture Parameter towards to Develop Grape Variety was taken where Main Stem Diameter was 0.5 Inch Length of 3.9 Inch Main Stem was Observed where Main Stem has Three Auxillay Branches. Also Leaf was Green in Colour. At 16/12/23 Germinated Methi Seed Approximately 10 to 20 gm were isolated & was Transferred to another Pot.

Bio-Eco-Bio BioDevelopment of Grape Variety

At 16/12/23 Grapes Planted Prepared Pot was enriched with Approximately 5 ml Aminoacid Multivitamin & Antioxidant Syrup. Also Multivitamin Capsule Approximately 100 mg/10 ml water was added to Pot. Also 4 Tablet Folic Acid with 1 Tablet Fluconazole was added to the Pot & Pot must kept for 20 days as it is to Proceed Further or Next Preceeding.

Result of Research Findings & Discussion with Concluding Remarks

Within 12 Months *Citrus sinensis* Plantlet will Produce Synergetic Citrus Fruit where as *Capsicum sp*. was kept in Dark for 3 to 5 Years to Isolate Antibiotics After Five Years. However after Three Years Antibiotics Development will be done cum BioDevelop in the Pot by Bacterial & Fungal Isolate During 2027-2029. Further Desi Rose Flower will be Significantly used to Biodevelop Bi-Metallic Bionanoparticles BioSolution to Inhibit Pathogenic Bacterial & Fungal Isolate & to Treat or you can say Bacterial & Fungal origin Plant Diseases. Also within Three to Five Grape Plantlet will Produce Synergetic Grapes.

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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 *Nitche* 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 Theoritical 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)

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