**RESUME**



**Dr. ARCHANA**

**Email:** [**archana.370034@2freemail.com**](mailto:archana.370034@2freemail.com)

**CAREER OBJECTIVES**

Desire a challenging position with a mission to perform accurate work or service. I am a PhD (Agricultural) graduate. I am very much pleased to submit my bio- data for your perusal in selecting me to a suitable placement in your esteemed organization. In reviewing the attached resume you will note that I have acquired valuable experience in all types of ''Agriculture, Soil microbiology, Environmental agriculture, Bio-fertilizer production techniques, Organic Agriculture, crop production, green manures and compost production techniques, biological pest and disease control methods, biological research of soil organisms for organic farming, development of mixed microbial inoculants, mass production bio inoculants, mass propagation of Azolla and Mushroom cultivation. Furthermore I am multitasking oriented and enjoy a challenge and continually stay at best of the latest advancements in agricultural microbiology field. I would hope to impart still better service to your esteemed organization and the same time to enhance my own career if I am given a chance.

**EDUCATIONAL QUALIFICATION**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Course** | **Specialization** | **University** | **Year of** | **Percentage** |
|  |  |  | **passing** |  |
| **B.Sc.(Agri)** | Agriculture | UAS, | 2005 | 70.80% |
|  |  | Bangalore |  |  |
|  |  |  |  |  |
| **M.Sc.(Agri)** | Agricultural | UAS, | 2008 | 79.70% |
|  | microbiology | Dharwad |  |  |
| **Ph.D.** | Agricultural | UAS, | 2012 | 92.26% |
|  | microbiology | Bangalore |  |  |
|  |  |  |  |  |

**POST GRADUATE RESEARCH**

**Ph.D.**

***Title of thesis: “Development and Evaluation of Microbial Consortium for Plant Growth Promotion.”***

**M.Sc. (Agri)**

***Title of thesis: “Studies on Potassium Solubilizing Bacteria”.***

Annexure –I(Publications)

**Full length research papers published in National and International journals:**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Name of Authors | Title | Name of | Month/Yr/Page |  |
|  |  | Magazine/ |  |  |
|  |  | Journal/Add |  |  |
|  |  | ress |  |  |
|  |  |  |  |  |
| **Archana, D.S,** Savalagi, V | Effect of potassium solubilizing | *Journal of* | Vol.28, |  |
| P& Alagawadi, AR | bacteria on growth and yield of | *soil Biology* | Year-2008 |  |
|  | maize (*Zea mays* L.) | p.p:9-18 |  |
|  |  |  |
|  |  | *&Ecol*ogy |  |  |
|  |  |  |  |  |
| **Archana, D S,** Nandish, | Screening of potassium | *Bioinfolet.* | Vol.9, Iss.4, |  |
| M.S, savalagi, V. P. & | solubilizing bacteria (KSB) for |  | Year-2012 |  |
| Alagawadi, A.R | plant growth promotional activity |  | p.p:627-630 |  |
| Nandish, M. S, Savitha, P., | Collection, characterization and | *Bioinfolet* | Vol.*9* Iss:4 |  |
| **Archana, D. S,**Lakshmi, M. | screening of entomopathogenic |  | Year-2012 |  |
| R &Shivaprakash, M. K., | fungi against field bean pod borer |  | p.p:679-682. |  |
|  | (*Helicoverpa armigera,* hubner*)* |  |  |  |
| **Archana, D. S,**Nandish, | Characterization of potassium | *Bioinfolet* | Vol.10,Iss.2 |  |
| M.S., Savalagi, V. P. | solubilizing bacteria (KSB) from |  | Year-2013 |  |
| &Alagawadi, A.R | rhizosphere soil, |  | p.p:48-257 |  |
|  |  |  |  |  |
| Swapna, G., **Archana, D.** | Disintegration and release of | *Environmen* | Vol.32,Iss-2 |  |
| **S.,**Hemalatha, R. | microorganisms in soil: Flour | *t &Ecology* | Year-2014 |  |
| &Brahmaprakash, G. P., | based granular inoculants | p.p:481486. |  |
|  |  |
|  | formulations |  |  |  |
|  |  |  |  |  |
| **Archana, D.S**. | Survival of plant growth | *Bioinfolet* | Vol.11, Iss.2B |  |
| &Brahmaprakash, G. P., | promoting bacteria in alginate |  | Year-2014 |  |
|  | formulations, |  | p.p:86-490. |  |
|  |  |  |  |  |
| **Archana, D.S**., Swapna, G. | Survival of dual inoculants in | *Bioinfolet* | Vol.11,Iss.3A |  |
| &Brahmaprakash, G. P., | alginate formulation, |  | Year-2014, |  |
|  |  |  | p.p:740.742. |  |
|  |  |  |  |  |
| **Archana, D.S**., Swapna, G. | Effect of immobilized microbial | *Bioinfolet* | Vol.12.Iss-1C |  |
| &Brahmaprakash, G. P., | consortium on growth and yield |  | Year-2015 |  |
|  | of sorghum, |  | p.p:298-303 |  |

Annexure –II

**Abstracts published in Nationaland International Conferences and Symposiums:**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Name of Authors | Title |  | Name of Magazine/ | Month/Y |
|  |  |  | Journal/Address | r/Page |
|  |  | |  |  |
| **Archana, D. S**., | *In vitro* solubilization of | | 48th Annual | Yr-2007 |
| Savalagi, V. P. & | potassium containing minerals | | Conference Association | pp: 164 |
| Alagawadi,A. R., | by *Bacillus sp.* |  | of microbiologists of |  |
|  |  |  | India. Department of |  |
|  |  |  | biotechnology Indian |  |
|  |  |  | institute of technology |  |
|  |  |  | Held at Chennai |  |
| **Archana, D. S.,**Swapna, | Isolation and screening of | | *5 th Kannada Vijnana* | Yr-2009 |
| G., Dushyantha, D. K. | potassium solubilizing | | *Sammelana*. | pp: 45 |
| &Savalagi, V.P | bacteria from rhizobizosphere | | Held at Mangalore |  |
|  | soil |  |  |  |
| Swapna, G.,**Archana, D.** | Microbiological | analysis of | *5 th Kannada Vijnana* | Yr-2009 |
| **S.,** Suvarna, V. C. | shrikand using | cattle milk | *Sammelana*. | pp: 55. |
| &Sandeep, R G**.,** | buffalo milk and dairy milk. | | Held at Mangalore |  |
| **Archana, D. S.,**Nandish, | Effect of potassium | | 8th*Kannada Vijnana* | Yr-2012 |
| M.S., Swapna, G., | solubilizing bacteria on | | *Sammelana* | pp:60 |
| Lakshmi, M. | growth and yield of maize | | Held at Dharwad. |  |
| R.&Savalagi, V. P., | (*Zea mays* L.), |  |  |  |
|  |  | |  |  |
| Lakshmi, M. R.,Savitha, | Effect of different levels of | | 8th*Kannada Vijnana* | Yr-2012 |
| P., **Archana, D. S**., | nitrogen on growth and yield | | *Sammelana* | pp:61-62 |
| Nandish, M. S. | of chilly (*Capsicum annum)*, | | Held at Dharwad. |  |
| &kalyanamurthY, K |  |  |  |  |
|  |  | |  |  |
| Swapna, G., **Archana, D.** | Survival of granular inoculant | | 8th*Kannada Vijnana* | Yr-2012 |
| **S.**&Brahmaprakash, B. P | formulations containing plant | | *Sammelana* | pp:79 |
|  | growth promoting |  | Held at Dharwad |  |
|  | microorganisms in consortium | |  |  |

Annexure –III

**Popular articles published in different Newsletters and Newspapers:**

|  |  |  |  |
| --- | --- | --- | --- |
| Name of Authors | Title | Name of Magazine/ | Month/Year |
|  |  | Journal/Address |  |
|  |  |  |  |
| ***Archana, D.S.*** | Dravaroopi | Krishi Kamadenu | Vol. 4 (9) |
| andNandish, M.S., | Gobbaragalu. | Kannada Monthly | Yr-2012 |
|  |  | Newsletter | pp: 24-27. |
|  |  |  |  |
| ***Archana, D.S.,***Nandish, | Microbes: Wheels | *Agrobios News Letter*s | Vol. XI (4) |
| M.S.***,*** and Swapna, G., | for Organic Acid |  | Yr-2012 |
|  | production |  |  |

|  |  |  |  |
| --- | --- | --- | --- |
| Nandish, M.S***., Archana,*** | Spirulina – The | *Agrobios News Letter*s | Vol. XI (4) |
| ***D.S.,*** and Lakshmi, M.R., | Rich Source of |  | Yr-2012 |
|  | Algal Protein |  |  |

Annexure –IV

**Extension materials/ Folders published**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| Name of Authors |  | Title |  | Name of Magazine/ | | Month/Year |
|  |  |  |  | Journal/Address | |  |
| **Archana, D.S.**, and | | ***“Importance of*** | | Published Through | | July 2012 |
| Anup, K. J., |  | ***biofertilizers in*** | | Extension Education | |  |
|  |  | ***crop production”*** | | watershed department | |  |
|  |  |  |  | Shimoga. |  |  |
| **Archana, D.S.**, and | | **“***B****iodiesel”*** |  | Published Through | | July 2012 |
| Anup, K. J., |  |  |  | Extension Education | |  |
|  |  |  |  | watershed department | |  |
|  |  |  |  | Shimoga. |  |  |
| **Archana, D.S.**, and | | ***“Intererated pest*** | | Published Through | | July 2012 |
| Anup, K. J., |  | ***managment”*** |  | Extension Education | |  |
|  |  |  |  | watershed department | |  |
|  |  |  |  | Shimoga. |  |  |
| **Archana, D.S.**, | and | ***“Liquid*** |  | Published | Through | July 2012 |
| Anup, K. J., |  | ***biofertilizer”*** |  | Extension | Education |  |
|  |  |  |  | watershed | department |  |
|  |  |  |  | Shimoga. |  |  |
| **Archana, D.S.**, | and | ***“Intrgerated*** |  | Published | Through | July 2012 |
| Anup, K. J., |  | ***nutrient*** |  | Extension | Education |  |
|  |  | ***mangement”*** |  | watershed | department |  |
|  |  |  |  | Shimoga. |  |  |
| **Archana, D.S.**, | and | ***“Importance*** | ***of*** | Published | Through | July 2012 |
| Anup, K. J., |  | ***soil testing”*** |  | Extension | Education |  |
|  |  |  |  | watershed | department |  |
|  |  |  |  | Shimoga. |  |  |
| **Archana, D.S.**, | and | ***“Green*** | ***leaf*** | Published | Through | July 2012 |
| Anup, K. J., |  | ***manure”*** |  | Extension | Education |  |
|  |  |  |  | watershed | department |  |
|  |  |  |  | Shimoga. |  |  |
| **Archana, D.S.**, | and | ***“Agroforestry”*** | | Published | Through | July 2012 |
| Anup, K. J., |  |  |  | Extension | Education |  |
|  |  |  |  | watershed | department |  |
|  |  |  |  | Shimoga. |  |  |

**Work history and experience**

* Worked as senior research fellow in RKVY project "**Mass propagation of** **horticultural crops through micro propagation and traditional methods of propagation**" at College of Agricultural Sciences, Shimoga, from 22-07-2014 to 10-11-2014, during the period carried out various project activities like collection of samples for tissue culture work, media preparation, sterilization, isolation, sub culturing of samples at different time intervals and preparation of progress report.
* Worked as senior research fellow under **“NHM funded plant health clinic and** **disease forecasting Unit”** at College of agriculture, UAHS, Shimoga, Karnataka.From 19-03-2014 to 21-07-2014,where I carried out various project works like diagnose and analyze the samples collected from disease infected fields, preparation of slides and project progress report and suggesting remedial measures for control of disease and pest in farmers field.
* Worked as technical assistant in a project entitled “**Integrated water shed** **management project**” in the district water shed department Shimoga, Karnataka, **from 02-01-12 to 30-08-12**, where carried out various project activities, interactingwith farmers about their problems and training them about new technologies in agricultural sector.
* Worked as a project fellow on a project entitled “**Development and evaluation of** **microbial consortium for plant growth promotion”** at university of agriculturalsciences, GKVK, Bangalore for the PhD thesis work. **Objectives of my research** **work**
  + Development of alginates based microbial consortium.
  + Survival of microbial consortium in different formulations.
  + Effect of selected formulation under green house.
* Have undergone Agro based industries Training program (Zuari Industries limited, Malleshwaram Bangalore) for period of three weeks learnt for soil samples analysis.

**Skills & Expertise**

Agriculture



Soil



Analysis



Bio-ethanol production from agriculture wastes



Mass cultivation of bio inoculants



Development of microbial consortium



Mass cultivation of Azolla



Mushroom cultivation (spawn production)



Production of Bio-fertilizers and Bio control agents



Sustainable Agriculture



Methods of soil and plant analysis



**COMPUTER KNOWLEDGE:**

MS Office (MS word, Excel, power point, MS access)

**PERSONAL DETAILS:**

|  |  |
| --- | --- |
| Name | Dr. Archana |
|  |  |
| Year of birth | 26/07/1984 |
|  |  |
| Current Location | Abu Dhabi |
|  |  |
| Country | INDIA |
|  |  |
| Languages | English, Hindi, Kannada |
|  |  |
| Nationality by Birth | INDIA |
|  |  |
| Having Valid Passport | Yes with resident visa |
|  |  |
| Marital Status | Married |
|  |  |
|  |  |

I here by declare that all the information given above is true to the best of my knowledge

**Date:**

**Place: Abu Dhabi**

**ARCHANA**