PERSONAL PROFILE

BELLERE Name: ARCE DEFEO

(First) (Middle) (Last)

Nationality: Filipino

Work address: Central Bicol State University of

Agriculture - Sipocot, Impig Sipocot, Camarines Sur 4408

Philippines

Bolo Sur, Sipocot, Camarines Sur 4408 Philippines Home address:

Civil status: Single

Male Sex:

Mobile number: +63906 -1085406 / +639460503097

email address: arcedbellere@gmail.com / arce.bellere@cbsua.edu.ph

Educational background

Summer 2018 Methods of Teaching /

Certificate in Professional

Education

ATENEO DE NAGA UNIVERSITY

Ateneo Avenue, Naga City 4400

Overall GPA: 90 where 100 is the highest

June 2013 -

April 2016

Master of Science in Plant Protection, Major in Plant

Pathology

(Presidents list awardee)

CENTRAL BICOL STATE UNIVERSITY OF

AGRICULTURE

San Jose City, Pili Camarines Sur

Dissertation: Cultivation of Split – gill Fungus

Schizophyllum commune

Adviser: Prof. Ludivina C. Savilla

Overall GPA: 1.15 where 1.0 is the highest

June 2003 -April 2007

Bachelor of Science in

Biology, Major in Microbiology

CENTRAL LUZON STATE UNIVERSITY

Science City of Munoz Nueva Ecija

Philippines 3120

Thesis: Pharming of Local and Imported

strain of Medicinal Mushroom Adviser: Dr. Renato G. Reyes

Overall GPA: 2.16 where 1.0 is the highest

Summer 2006 On the Job Training **Maejo University**

Bang Khen Alley, Tambon Nong Han, Amphoe San Sai, Chang Wat Chiang Mai

50290, Thailand

Professional License for Teacher

1756133 Registration No.

Overall rating 82.80 where 100 is the highest

RESEARCH INTERESTS

- MUSHROOM SCIENCE AND BIOTECHNOLOGY
- MUSHROOM NUTRACEUTICALS
- FUNGAL ECOLOGY AND TAXONOMY
- FUNGAL PLANT PATHOGENS

Positions/designations in chronological order

Inclusive Date	Position and nature of work
June 14, 2016 - present	 Instructor 1 Central Bicol State University of Agriculture – Sipocot, Impig Sipocot Camarines Sur, 4408 Philippines • Teaches Graduate and Undergraduate level: Microbiology, Biotechniques, Ecology, Fundamentals of Research and Fundamentals of Agriculture. Conducts and supervises research studies related to mushroom science and biotechnology.
April 15, 2012 – June 13, 2016	 Farmer / Grower Jale Biotech farm: Bolo Sur, Sipocot, Camarines Sur, 4408 Philippines Over all in charge in laboratory work on substrate formulation and production of <i>Pleurotus</i> and <i>Volvariella</i> mushroom. Successfully utilized an alternative fertilizer like vermi compost, plants and weed compost and animal manures that is much more cost effective and safer to the environment. Overseeing crop production of mixed plantation of fruit trees, rice, coconut
Sept. 28, 2011 – Jan. 4, 2012	Agricultural Specialist Agro Genesis Pte. Ltd. 391B Orchard Road #23-01 Ngee Ann City Tower B Singapore 238874 • Maintain recordkeeping and farm data for report to management • Conduct farm research trials • Manage crop and environment care programs based on SOP • Supervise farm workers and enforce workplace health and safety • Assist in generating planting plans and budget inputs • Ensure the smooth running of commercial crop production activities • Extension work for training and supervising farmers practice at field level
June 15, 2009 – Dec. 15, 2010	 Research Specialist Sanctuario Dela Natividad Organic Farm an Affiliate of Center for Tropical Mushroom Research and Development, Indang Cavite Philippines Conducted practical innovative researches in fungal cultivation, organic hydroponic, vermi composting, chicken feed formulation, effective usage of organic fertilizers and pesticides; raised bed production of high value organically grown crops, herbs and VCO production. Supervised and support the QA system to assure compliance with GMP regulations of product for market purposes.
June 14, 2007 – May 30, 2008	Instructor 1 Central Luzon State University, Science City of Munoz, Nueva Ecija 3120 Philippines

	 Taught Economic Biology (Tropical Mushroom Cultivation and Cultural Management), Laboratory in Fundamentals of Biological Sciences, General Zoology and Botany. Assisted graduating and off campus students in conducting research studies. handled12 classes a week with 40 students each with foreign and local learners. Serve as resource person in monthly seminar of tropical mushroom cultivation practices.
May 4, 1997 – April 15, 2003	 Branch Supervisor K.A.R.S. Malabon, Philippines Effectively supervised projects and provided strategic operation insight. Constantly reviewing on the nature of the operation aspects for further improvement. Assist customer queries and liaise with suppliers.
June 29, 1995 – May 3, 1997	 Quality Assurance Officer JB Car Care, 333. A. Mabini Street, Caloocan City 4400, Philippines Ensure adherence to policies and procedures for safety and quality of service. Provide perspective in innovative safety measures. In charge in overall inventory of equipment and materials.
May 14, 1994 – June 28, 1997	 Assistant Mechanic Performed inspections and vehicle repair. Assist chief/Seniors mechanic in daily operation. Works on under chassis, painting and engine overhauling.

Designation

Date	Position held		
June 17, 2019 to present	- Research and Development Coordinator, CBSUA - Sipocot		
July 2019 – Nov. 2019	- Area Leader for Area V (Research) for AACUP Accreditation		
1 st sem 2019-2020	 Graduate School Instructor in Advance Ecology (BIOL 210), CBSUA - Sipocot 		
September 5, 2016	 Officiating Member in the Athletics University meet, Central Bicol State University of Agriculture - Sipocot 		
August 24 – 27, 2016	 Officiating Member in the Intramurals Athletics, Central Bicol State University of Agriculture – Sipocot 		
June 25, 2007	 Area Leader, Support to Students, College of Arts and Sciences, Central Luzon State University 		

Scientific and Technical Publications

- 1. Caňal, A.A.A., Abogado, A.B. and **Bellere, A.D**. 2020. Mycelial Growth Performace of Pleurotus ostreatus and Volvariella volvacea in Common Kitchen Wastes. Asia Pacific Journal of Multidisciplinary Research, Volume 8, No. 2. Pp. 78-85.
- 2. Bellere, A.D. 2020. Mycelial Performance and Primordial Development of Volvariella volvacea in Different Leaf Litters. Asia Pacific Journal of Multidisciplinary Research. Volume 8,No. 3. Pp. 27-32.

- 3. Zurbano L.Y and **Bellere, A.D.** 2019. Papaya Ring Spot Virus (PRSV) as influenced by the Length of Feeding Time of Aphids (Sphis gossypii). Indian Journal of Science and Technology, Vol. 12 (32).
- 4. **Bellere, A. D.** 2017. Mycelial Growth of Ganoderma curtissii in Locally Indigenous Media. KnE Social Sciences. 4th International Research Conference on Higher Education. Pp 118 124. DOI: 10.18502/kss.v3i6.2377. Available online at: https://www.knepublishing.com/index.php/Kne-Social/article/view/2377/5234
- 5. Ibarra, M.O., Balang, L.M., Sentra, N.G. and **Bellere, A.D**. 2017. Growth and Yield Performance of Oyster Mushroom (*Pleurotus florida*) Using Various Substrate. 7th Biota Annual Regional Convention & Scientific Sessions. P 10.
- 6. **Bellere, A. D.**, Zurbabo, L.C., Aragon, D.A.A. and Reyes, R.G. 2017. Mycelial Growth of Ganoderma curtissii in Locally Indigenous Media. International Research Conference on Higher Education. P. 87. ISSN: 978 971 781 037 9.
- 7. **Bellere, A.D.**, Savilla, L.C., Zurbano, L.Y., Mostoles. M.D. J., and Cadag, C.P. 2016. Cultivation of Split Gill Fungus *Schizophyllum commune*. ISSAAS Philippines 2016 National Congress and General Meeting. Philippine Carabao Center, Science City of Munoz, Nueva Ecija. p 51.
- 8. Zurbano, L.Y., Savilla, L.C. and **Bellere, A.D**. 2017. Mycelial Growth, Fruiting Body Production and Proximate Composition of *Pleurotus djamor* on Different Substrate. The CLSU International Journal of Science and Technology. Volume 2, No.1:7-6 (2017). Available online at: https://www.clsu-ijst.org/index.php/ijst2/article/view/23/14
- 9. **Bellere, A.D.**, Zurbano, L.Y., Savilla, L.C., Mostoles, D. J. and Cadag, C.F. 2016. Cultivation of Split Gill Fungus *Schizophyllum commune*. 2016 Apcore International Conference. Dusit Pattaya, Thailand. p 100. ISSN: 2508 0040.
- 10. Zurbano, L.Y., Savilla, L.C. and **Bellere, A.D**. 2016. Yield and Proximate Composition of Pink Oyster Mushroom (*Pleurotus djamor*) on Different Substrates. 2016 Apcore International Conference. Dusit Pattaya, Thailand. p 98 99. ISSN: 2508 0040.
- 11. Reyes, R.G., Kalaw, S. P., Dulay, R.M., **Bellere, A.D.**, Yoshimoto, H., Kikukawa, T. and Eguchi, F. 2013. Paradigm shift on mushroom technology for ligninolytic fungi in the Philippines. PHILIPPINE SCIENCE AND TECHNOLOGY ABSTRACTS. p 58. ISSN: 0115-8724. Available online at: http://www.science.ph/program/PSTAJulytoDec2013.pdf
- 12. Reyes, R. G., Kalaw S. P., Dulay, R.M.R., **Bellere, A. D**., Yoshimoto, H., Kikukawa, T and Eguchi, F. 2010. Paradigm Shift on Mushroom Technology for Ligninolytic Fungi in the Philippines: From Sawdust to Rice Straw. The Science and Technology Information Network of the Philippines (SCINET-PHIL). Available online at: http://scinet.dost.gov.ph/union/ShowSearchResult.php?s=2&f=&p=&x=&page=&sid+1&id=Prad igm+shift+on+mushroom+technology+for+ligninolytic+fungi+in+the+Philippines&Mtype=ANAL YTICS.
- 13. Reyes, R.G., Kalaw, S. P., Dulay, R.M., **Bellere, A.D.**, Yoshimoto, H., Kikukawa, T. and Eguchi, F. 2010. Paradigm Shift of Mushroom Technology for Ligninolytic Fungi in the Philippines: From Sawdust to Rice Straw. 10th Philippine Society for the Study of Nature. Pp. 89 90.
- 14. Reyes, R.G., Kalaw, S.P., Bellere, A.D., Yoshimoto, H., Higaki, M., Kikukawa, T. and Eguchi, F. 2009. Status and prospects of medicinal mushroom cultivation in Central Luzon region of the Philippines. Mushroom Science and Biotechnology. 17(2): 87-89
- 15. Reyes, R.G., Kalaw, S.P., **Bellere, A. D.**, Kikukawa, T., Eguchi, F. and Higaki, M. 2008. Status and Prospects of Medicinal Mushroom Cultivation in Central Luzon Region, Philippines. Proc. The 5th Meeting of East Asia for Collaboration on Edible Fungi. September 17-20, 2008, Kyushu University Research and International Exchange Plaza, Fukuoka, Japan. p.58.
- 16. Reyes, R.G., **Bellere, A.D**. and Kalaw, S.P.2008. Aseptic cultivation of medicinal mushrooms with potential in the nutriceutical industry. Proc. 6th ISSAAS Philippine National Convention and Annual Meeting, Benguet State University, La Trinidad, Benguet. October 24, 2008. pp. 23-24.
- 17. Aquino, A.N., Nitural, P. S., **Bellere, A.D.,** Kalaw,S.P.and Reyes, R.G., 2008. Pleurotus Growers' Best Practice in Central Luzon: To wrap or not to Wrap. Proc. 10th Annual Scientific Meeting and Symposium of the Mycological Society of the Philippines. Benguet State University, La Trinidad, Benguet. p 28.
- 18. De Guzman, J. P., **Bellere, A.D.,** Kalaw, S.P., and Reyes, R.G., 2008. Biophysiology of Llanera Strain of Abalone (*Pleurotus cystidiosus*). Proc. 10th Annual Scientific Meeting and

- Symposium of the Mycological Society of the Philippines. Benguet State University, La Trinidad, Benguet. p 44.
- 19. Ramos, M. J., **Bellere, A.D.,** Kalaw,S.P., and Reyes, R.G., 2008. Biophysiology of Utsuhiratake (*Pleurotus pulmonarius*), A Newly Cultivated Japanese Mushroom Adapted in Central Luzon. Proc. 10th Annual Scientific Meeting and Symposium of the Mycological Society of the Philippines. Benguet State University, La Trinidad, Benguet. p 48.
- 20. Quiros, A.C., **Bellere, A.D.,** Kalaw,S.P., and Reyes, R.G., 2008. Biotechnological Production of ß Glucan Enriched Mycelia of *Volvariella volvacea* on Coconut Water- Based Media. Proc. 10th Annual Scientific Meeting and Symposium of the Mycological Society of the Philippines. Benguet State University, La Trinidad, Benguet. p 48.
- 21. **Bellere, A.D.,** Reyes, R.G., Kalaw, S.P. and Abella, E.A. 2007. Mushroom Pharming of Local and Imported Strains of Medicinal Mushrooms. Proc. 9th Annual Scientific Meeting and Symposium of the Mycological Society of the Philippines. Central Luzon State University, Science City of Munoz, Nueva Ecija. p.24.
- 22. Reyes, R.G., Frias, N.O., **Bellere, A.D.,** Reyno, C.L., Kalaw, S.P. and Abella, E.A. 2007. Pharming of local and imported strains of medicinal mushrooms. CLAARDEC Science and Technology Journal. 1(1): 117:134

Awards received:

- 1. 1st Place Best Research Presenter in the 4th National Research Conference on Arts, Science and Health under Natural Science Category. November 29, Villa Caceres Hotel, Naga City Philippines.
- 2. 3rd Best Conference Paper in the 4th National Research Conference on Arts, under STEM category. November 29, Villa Caceres Hotel, Naga City Philippines.
- 3. Competence as International Peer Reviewer: Awarded after completing the 3 day training on peer review using Thompson Reuters and Scopus Elsevier Standards. Conducted by Asian Society of Teachers for Research Incorporated, Sec Registration No.: CN201619200, conducted on October 15 17, 2017.
- 4. 1st place best in Masteral Thesis for Masters of Science in Plant Protection Major in Plant Pathology category. April 18, 2016 Central Bicol State University of Agriculture 87th recognition ceremonies in San Jose Pili, Camarines Sur.
- 5. With honors Presidents list for Excellent Academic Performance Award: Batch 2016 highest grade point average (1.15 where 1.0 is the highest) of 2016 Central Bicol State University of Agriculture 87th recognition ceremonies in San Jose Pili, Camarines Sur.
- 6. 2nd place Oral Presentation for the paper entitled: Cultivation of Split Gill Fungus (*Schizophyllum commune*) presented during 29th Science and Technology Excellence Award Competition, April 12, 2016 Central Bicol State University of Agriculture San Jose Pili, Camarines Sur.
- 7. 1st place best in poster presentation for the paper entitled: Status and Prospects of Medicinal Mushroom Cultivation in Central Luzon Region, Philippines. November 25, 2008 First CAS Research Conference, CAS Little Theater, Central Luzon State University, Science City of Munoz, Nueva Ecija.
- 8. 2nd Best Paper for the paper entitled *Pleurotus* Growers' Best Practice: To Wrap or Not To Wrap presented during the 10th Annual Scientific Meeting of the Mycological Society of the Philippines held from 15 to 16 April 2008 at Benguet State University, La Trinidad, Benguet.
- 1st place Outstanding Undergraduate Thesis Award Biology Major category. Thesis title: Mushroom Pharming of Specialty Mushroom. March 30, 2007 Biology Supreme Student Council, Department of Biological Sciences, Central Luzon State University, Science City of Munoz, Nueva Ecija

- 10.1st place Extension Service Award. March 30, 2007 Biology Supreme Student Council, Department of Biological Sciences, Central Luzon State University, Science City of Munoz, Nueva Ecija
- 11. Best Paper Award in Development Category for the paper entitled Mushroom Pharming of Local and Imported Strains of Medicinal Mushrooms presented during the 19th Agency In House Review of Completed and On-going R and D projects held on June 8, 2007 at the Central Luzon State University, Science City of Munoz, Nueva Ecija.
- 12.1st place library most frequent borrower 2005 2006. December 2005 National Book of the University Library, Central Luzon State University, Science City of Munoz, Nueva Ecija

As Scientific Paper Presenter:

No.	Date	Paper Presented	Scientific Theme	Awarding committee
1	Feb. 15 – 17, 2019	(REGIONAL LEVEL) Mycelial Growth Performance of Pleurotus ostreatus and Volvariella volvacea in Common Kitchen Waste	8 th Annual Regional BIOTA Convention and Scientific Sessions	Biology Teachers Association of the Philippines Inc. Bicol Chapter
2	Feb. 15 - 17, 2019	(REGIONAL LEVEL) Mycelial Growth Performance of Paddy Straw Mushroom in Banana Waste	8 th Annual Regional BIOTA Convention and Scientific Sessions	Biology Teachers Association of the Philippines Inc. Bicol Chapter
3	Dec. 8- 10, 2018	(INTERNATIONAL LEVEL) Mycelial Growth of Ganoderma curtissii in Locally indigenous Media	4 th International Conference in Latest Trends of Education and Research (4 th ICILTER)	Global Researchers Association and Convergence for Excellence
4	Jan. 24 – 27, 2018	(INTERNATIONAL LEVEL) Mycelial Growth of Ganoderma curtissii in Locally indigenous Media	4 th International Research Conference on Higher Education	International Research Conference on Higher Education, Inna Grand Bali Resort, Hotel and Spa, JL Hang Tuah, Sanur, Bali, Indonesia
5	Oct. 17 – 18, 2016	(NATIONAL LEVEL) Cultivation of Split Gill Fungus, Schizophyllum commune	ISSAS Philippines 2016: National Congress and General Meeting	International Society for Southeast Asian Agricultural Sciences, Central Luzon State University
6	Sep. 20 - 23, 2016	(INTERNATIONAL LEVEL) Cultivation of Split Gill Fungus, Schizophyllum commune	2016 APCoRE International Conference	Asia-Pacific Consortium of Researchers and Educators, Polytechnic University of the Philippines and Burapha University, City of Pattaya, Thailand
7	April 12, 2016	(LOCAL LEVEL) Cultivation of Split Gill Fungus, Schizophyllum commune	29 th Science and Technology Excellence Awards Competition (Poster Category)	Central Bicol State University of Agriculture

As Invited Speaker/Resource Person:

No.	Date	No. of day/s	Designation	Title	Awarding committee	
1.	Feb 13, 2020	1	Judge	19 th regional inter-criminal justice education academics and skills Olympics	Criminology Department, Central Bicol State University of Agriculture - Sipocot	
2.	Jan 12 & 19, 2019	2	Resource speaker	Training seminar on mushroom production	Extension unit, Central Bicol State University of Agriculture – Sipocot	
3.	Jan. 26 & Feb. 2, 2019	2	Resource speaker	Training seminar on mushroom production	Extension unit, Central Bicol State University of Agriculture - Sipocot	
4.	Sept.6, 2017	1	Facilitator	Seminar Workshop on Trends and Techniques in the 21 st Century Teaching	College of Education, Central Bicol State University of Agriculture - Sipocot	
5.	Feb. 18, 2017	1	Resource speaker	NSTP-CWTS Community Immersion of Education Students	Central Bicol State University of Agriculture	
6.	Jan. 19, 2017	1	Resource speaker	Seminar – Workshop on Organic Farming and Composting: Gulayan sa Parokya	Extension Service Unit, College of Education Central Bicol State University of Agriculture – Sipocot	
7.	Dec. 3, 2016	1	Facilitator	Seminar on Climate Change and Disaster Risk Reduction Management Awareness	Extension Service Unit, College of Education, Central Luzon State University	
8.	Dec. 20, 2016	1	Resource speaker	Mobile Training and Workshop in Teaching Agri-Fishery Arts	Department of Education, Region V, Division of Camarines Sur	
9.	Sept. 29, 2016	1	Resource speaker	Agrinnovate: Revolutionizing Agricultural Outlook for Sustainable Growth	Central Bicol State University of Agriculture - Sipocot	
10	Feb. 16 – 18, 2008	3	Resource speaker	Intensive Training Course on the Culture of Useful Mushrooms in the Philippines	Center for Tropical Mushroom Research and Development, Central Luzon State University	
11.	Feb. 2 – 4, 2008	3	Resource speaker	Intensive Training Course on the Culture of Useful Mushrooms in the Philippines	Center for Tropical Mushroom Research and Development, Central Luzon State University	
12.	Jan. 10 – 11, 2008	2	Resource speaker	Intensive Training Course on the Culture of Useful Mushrooms in the Philippines	Center for Tropical Mushroom Research and Development, Central Luzon State University	
13.	Oct. 17 – 19, 2007	2	Resource person	Intensive Training Course on the Culture of Useful Mushrooms in the Philippines	Center for Tropical Mushroom Research and Development, Central Luzon State University	
14.	July 28 – 30, 2007	3	Trainor	Intensive Training Course on the Culture of Useful Mushrooms in the	Center for Tropical Mushroom Research and Development, Central Luzon State University	

				Philippines	
15.	June 30 – July 2, 2007	3	Trainor	Intensive Training Course on the Culture of Useful Mushrooms in the Philippines	Center for Tropical Mushroom Research and Development, Central Luzon State University
16.	April 17 – 18, 2007	2	Training Support Staff	Mass Production and Application of Beneficial Fungi	Mycological Society of The Philippines, Central Luzon State University
17.	Dec.19 - 21, 2006	3	Trainor	Intensive Training Course on the Culture of Useful Mushrooms in the Philippines	Center for Tropical Mushroom Research and Development, Central Luzon State University
18.	Nov. 25 – 27, 2006	3	Facilitator	Intensive Training Course on the Culture of Useful Mushrooms in the Philippines	Center for Tropical Mushroom Research and Development, Central Luzon State University
19.	Oct. 17 – 19, 2006	3	Trainor	Intensive Training Course on the Culture of Useful Mushrooms in the Philippines	Center for Tropical Mushroom Research and Development, Central Luzon State University
20.	July 3 – 4, 2006	2	Facilitator	Intensive Training Course on the Culture of Useful Mushrooms in the Philippines	Center for Tropical Mushroom Research and Development, Central Luzon State University
21.	June 2 – 4, 2006	3	Trainor	Intensive Training Course on the Culture of Useful Mushrooms in the Philippines	Center for Tropical Mushroom Research and Development, Central Luzon State University
22.	April 21 – 23, 2006	3	Trainor	Intensive Training Course on the Culture of Useful Mushrooms in the Philippines	Center for Tropical Mushroom Research and Development, Central Luzon State University
23.	March 7 – 9, 2006	3	Trainor	Intensive Training Course on the Culture of Useful Mushrooms in the Philippines	Center for Tropical Mushroom Research and Development, Central Luzon State University
24.	Feb. 28 – March 2, 2006	3	Trainor	Intensive Training Course on the Culture of Useful Mushrooms in the Philippines	Center for Tropical Mushroom Research and Development, Central Luzon State University
25.	Jan. 27 – 29, 2006	3	Trainor	Intensive Training Course on the Culture of Useful Mushrooms in the Philippines	Center for Tropical Mushroom Research and Development, Central Luzon State University

Research Grants

Title of Research	Awarding Institution	Year Completed and Certificate	Amount for Grants in pesos
Mycelial Production and Primordial Development of	Central Bicol State University of	0040	40.500
Paddy Straw Mushroom Volvariella volvacea Mushroom	Agriculture	2019	48,560

ARCE DEFEO BELLERE CURRICULUM VITAE arce.bellere@cbsua.edu.ph

in Cacao Waste			
2. Extraction and Utilization of Cacao (<i>Theobroma cacao</i>) Fungal Natural Fermenter	Central Bicol State University of Agriculture	2019	74,720
3. Molecular and morphological assessment of invasive and emerging fungal pathogens and parasitic nematodes of selected Philippine fruits and the Structuring of PUP MycoNemaBank	Commission on Higher Education/K to 12 Transition Program Management Unit/ (Dare to Research Grant) Discovery Applied Research and Extension for Trans/Interdiciplinary Opportunities Grantin-Aid 2017.	2017	14,930,488.10

Membership in professional organizations:

- 1. Biology Teachers Association of the Philippines
- 2. Philippine Society for Microbiology
- 3. Asian Pacific Consortium of Researchers and Educators
- 4. International Society for Southeast Asian Agricultural Sciences
- 5. Mycological Society of the Philippines