

CURRICULUM VITA

1.0 PERSONAL DATA

Rank Professor

Surname: Dzogbefia

Other names: Victoria Pearl

Address: Department of Biochemistry and Biotechnology
Kwame Nkrumah University of Science and Technology
Kumasi, Ghana

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Date of Birth: 17TH April, 1949

Marital status: Married with 3 children

2.0 ACADEMIC QUALIFICATIONS

- Ph. D (Biochemistry) June 1979 - Oregon State University, Corvallis Oregon USA (Sept. 1974 – June 1979)
- B.Sc. (First Class Honours) Biochemistry (June 1973)- University of Science & Technology, Kumasi (Oct. 1969 - June 1973)
- G.C.E. Advanced Level Certificate Mawuli School, Ho (1967 – 1969)
- G.C.E. Ordinary Level Certificate Mawuli School, Ho (1963 – 1967)

2.1 Additional Qualifications

- Certificate in Industrial Biotechnology by Biotechnology Research Centre (GBF) - Braunschweig - Federal Republic of Germany (August - October 1992)
- Certificate in Advanced Leadership; Haggai Institute; Maui, Hawaii USA (3rd – 27th August, 2004).
- Training in Mushroom Biotechnology, Institut fur Bodenbiologie, Braunschweig, Germany (October – December 1994)

3.0 SCHOLARSHIPS, FELLOWSHIPS AND AWARDS RECEIVED

3.1 Scholarships

- Ghana Government Scholarship for Undergraduate Studies (1969-1973)
- African Graduates Fellowship Program (AFGRAD) by African American Institute for Graduate Studies at Oregon State University (1974-1979).
- Oregon State University Research Assistantship (Jan - June, 1979).

3.2 Fellowships

- African-American Institute (AAI) Short Term Postgraduate Fellowship (POSTAF) as a Visiting Scientist to the Department of Food Science, Pennsylvania State University, USA (October 1990-April, 1991). Research work on cocoa biotechnology.
- Pennsylvania State University Office of International Programmes Award (May-September, 1991) as Visiting Scientist to Food Science Department of Pennsylvania State University, USA. Research work on cocoa biotechnology.
- International Development Association (IDA) Fellowship for Staff Upgrading (October-December 1994),-- Training in Mushroom Biotechnology at Institut Fur Bodenbiologie, Braunschweig, Federal Republic of Germany

3.3 Awards/Sponsorships for Attendance at Conferences / Workshops

- NUFFIC/ Wageningen University - to participate in International Workshop on Tailor Made Biotechnology for Endogenous Development (TMBT) in Kisumu, Kenya 13 – 21 March, 2003.
- Third World Academy of Sciences (TWAS)-- to participate in Third/World Organisation for Women in Science (TWOWS) Second General Assembly and International Conference in Cape Town, South Africa (8-11 February, 1999).
- Women in Science & Technology (WIST) Ghana - to participate in the 9th International Conference on Gender and Science and Technology - GASAT-9 at Accra International Conference Centre (4-9 July 1999).
- UNESCO Sponsorship to participate in the Pan African Workshop on “African Women in Science & Engineering: A Vision for the 21st Century” Nairobi, Kenya (Nov. 29-3rd December 1999).

- GBF sponsorship to participate in the Conference on “Biotechnology and Its Global Impact” (October 7 - 11, 1996). GBF, Braunschweig, Germany.
- ICTP/UNESCO Sponsorships to attend both the 3rd and 7th Colleges in Biophysics at the International Centre for Theoretical Physics, Trieste, Italy (1st Sept.-18th Oct. 1986; 4-29 March, 1996 respectively).
- Foundations for African Development through International Biotechnology (FADIB) sponsorship to participate in the International Biotechnology Symposium and Training Workshop for African Women Scientists at Enugu, Nigeria (July 16-29, 1995).
- G.B.F. Award to participate in the 6th Training Course of the International Training Program in Biotechnology at Biotechnology Research Centre (GBF), Braunschweig, Germany (August, 28th –October18th, 1992).
- Board on Science and Technology for International Development (BOSTID) of the National Research Council, U.S.A. – to participate in the Training Workshop on “Use of PCR and non-radioactive probes in Molecular Biology and Biotechnology” at University of Yaounde, Cameroun (Nov. 9 – 22, 1991).
- African-American Institute (N.Y.) Sponsorship to participate in the symposium on “Genetic Dissection of Plant Processes” at Keystone, Colorado, U.S.A. (Jan. 10-17, 1991).
- UST Research and Conference/Valco Trust Fund sponsorship to participate in the 11th International Cocoa Research Conference at Yamoussoukro, Cote D’Ivoire (Aug. 18-24 1993).
- African-American Institute (N.Y.) sponsorship to participate in the “Annual Conference of the American Society of Biological Chemists”- Atlanta, Georgia USA (4-8 June, 1978).
- African-American Institute (N.Y) – to participate in the 63rd Annual Meeting of the Federation of American Societies for Experimental Biology Dallas, Texas USA (April 1-10, 1979).

- African –American Institute (N.Y.) sponsorship to participate in the 62nd Annual Conference of the American Society of Biological Chemists; San Francisco, California USA (June, 1976).

4.0 PROFESSIONAL EXPERIENCE

- **Full Professor: October 2007 – Date**
- Associate Professor: October 1997 – September 2007
- Senior Lecturer: (Oct. 1986 - Sept. 1997)
- Lecturer (KNUST) (Dec. 1979 – Sept. 1986)
- Research Assistant, Department of Biochemistry and Biophysics, Oregon State University, Corvallis- USA (Jan – June 1979)
- Teaching Assistant, Department of Biochemistry, Kwame Nkrumah University of Science & Technology (KNUST), Kumasi (Oct. 1973 – Sept. 1974).
- Research Assistant, Building & Road Research Institute, Kumasi (June – Sept. 1973).

5.0 ADMINISTRATIVE EXPERIENCE

- Dean, Faculty of Biosciences (2005 – 2008)
- Head of Department, Department of Biochemistry, KNUST (1998- 2003)
- Vice-Dean, Faculty of Science (1999 -2003)
- Ag. Hall Warden & Senior Tutor, Africa Hall, KNUST: many occasions.
- Ag. Vice – Dean, School of Graduate Studies (May – Dec. 2004)
- Hall Tutor, Africa Hall (1984 – 1999)

Major Achievements as Head of Department (1998 – 2003)

- Initiated and introduced 2 Ph. D programmes in Biochemistry and in Food Science & Technology into the Department. Hitherto, the Department had been running only Masters postgraduate programmes for well over 30 years.
- Initiated and introduced M.Sc. Biotechnology Programme into the Department.
- With gentle pressure brought on the university, the Department was assisted to rehabilitate some structures inherited from Forestry Research Institute of Ghana into two large lecture rooms and one office block with 16 staff offices
- Attracted **134,000,000 Cedis** from Cocoa Processing Company Ltd. For the rehabilitation of a big structure that contained six research laboratories, staff conference room, students' computer laboratory and one teaching laboratory for the Department.
- Attracted **US\$12,000** grant from UNESCO to support the M.Sc. Biotechnology Programme
- Initiated the establishment of a *Clinical Analysis Laboratory* for income generation as well as for training students who opt for clinical biochemistry in the final year. The laboratory is successfully running and offering services to both students and staff of the university as well as the public.

6.0 SERVICES RENDERED TO UNIVERSITY COMMUNITY AND NATION: (MEMBERSHIP OF BOARDS, COMMITTEES, ETC.)

6.1. University

- **Member, Strategic Plan Implementation Oversight Committee (2009)**
- **Member, KNUST United Protestant Church Committee – Global Evangelical Church Representative. (2007 – 2009)**
- Member, Search Committee for appointment of Provost for College of Agriculture & Natural Resources (February, 2008 - June 2008)
- Chairperson, Planning and Resources Sub-committee for the establishment of a degree programme in Meat and Dairy Technology (February, 2008 – April, 2008).

- Chairperson, Planning and Resources Sub-committee for the Upgrading of Sculpture Section of the Dept. of Painting and Sculpture into Full Department (November, 2007 – Date)
- Member, Search Committee for appointment of Provost, College of Health Sciences (March, 2007 – May, 2007)
- Member, Scrutineering Committee for the election of Professorial Member of Council, Nov. 2007
- Member, Scrutinising Committee for election of Pro Vice Chancellor, 30th November, 2006
- Member, University Strategic Planning Implementation Oversight Committee 2005/2006
- Chairperson, Planning and Resources Sub-committee to study proposal for mounting of Pharm D Programme by Faculty of Pharmacy (March 2005)
- Member, Committee to Revise Curriculum for Departments of Electrical & Electronic Engineering, Computer Engineering and Mechanical Engineering (2003).
- Member College of Science Strategic Plan Committee (2005 - 2007)
- Member, Committee to Review Postgraduate studies at KNUST (October 2006 – February 2007).
- Member, Planning & Resources Sub-committee to assess curriculum for the establishment of Department of Clothing Fashion in the College of Art (2001)
- Member of Faculty of Science Board (1990 -2000)
- Member of College of Science Board (2005 -2009)
- Member of Academic Board (1998 –2009)
- Member, Board of the School of Graduate Studies (2005 – 2008)
- Chairperson, Faculty of Science Committee on Examination Malpractices: 2nd Semester, 1997; 1999, 2001; 2003; First Semester, 2002
- Chairperson, Committee on Investigation of Students' Vandalism at Dean's Office, Faculty of Agriculture (2003)

- Chairperson, Committee of Investigation of Alleged Smoking of Indian Hemp by some Students on Campus, KNUST (May – July 2004)
- Member Faculty of Science Strategic Planning Committee (1995 – 1996)
- Cognate Member, School of Medical Sciences (SMS) School Board 1982 – 1984; 1999 – 2002)
- Cognate Member, Faculty of Pharmacy Board (2002 – 2004)
- Member, Biochemistry Departmental Board (1980 – Date)
- University Housing Committee Faculty of Science Rep. (1983-1987)
- Departmental Time Table and Examinations Officer (1985 – 1990)
- Chairperson, University Convocation Welfare Fund (1993 –2000)
- Hall Tutor , Africa Hall (1984 – 1999)
- Hall Fellow, Africa Hall (1988 – 2005)

6.2 National

- Member, National Bio-safety Authority (2014 – 2016)
- Member, National Biosafety Board
- Member, Local Organising Committee, 2nd African Conference on Edible and Medicinal Mushrooms, March 24 – 28, 2009. Noguchi Memorial Institute for Medical Research, ACCRA
- KNUST Representative on Vice Chancellors, Ghana (VCG) Committee on MOU with Ministry of Public Sector Reform (December, 2007 – Nov. 2008)
- Member, Sub-committee of National Codex Committee on Foods Derived from use of Biotechnology (March, 2007 – 2010)
- Resource Person, Annual Review of Research Proposals of Research Staff, Cocoa Research Institute of Ghana (CRIG) (2005 – 2008).
- Member, Interview Panel for Senior Staff promotion; Cocoa Research Institute of Ghana 2003.
- Assessor of Publication for Academy 2002 Silver Award: Ghana Academy of Arts and Sciences (2004)
- Member, Professional Development Committee – Centre for Biodiversity 2005

- External Examiner, Department of Biochemistry, University of Ghana, Legon, (1993 – 1995)
- Reviewer of publications: Development Spectrum, an Inter-Faculty journal for Univ. for Development Studies
- Member, Interview Panel for Staff Appointment, Kumasi Polytechnic (1999)
- Chairman, Opening Ceremony for Science, Technology and Mathematics Education (STME) Clinic for Girls—Afigya – Sekyere District Assembly, Jamasi, September 2002; August 2003
- External Examiner for Postgraduate Biochemistry programme, University of Ghana (2008 - Date)
- External Examiner, University for Development Studies, Tamale for 2 years
- External Assessor of Publications for promotion to the rank of Associate Professor – Methodist University of Ghana (June – October, 2008)
- External Assessor of Publications for Promotion of Senior Members:
 - i) Department of Biochemistry, University of Ghana - Legon; (12)
 - ii) Dept. of Medical Biochemistry, Ghana Medical School, Korle Bu; (4)
 - iii) Department of Biochemistry, University of Cape Coast (3)
 - iv) Ghana Atomic Energy Commission, Kwabenya; (4)
 - v) Council for Scientific and Industrial Research (CSIR), Accra (12).
- External Assessor of Research Grant Proposals (University of Ghana, Legon) (1)
- External Examiner for Postgraduate Programme, Department of Crop Science – University of Cape Coast (2007)
- External Examiner of several M.Phil.& PhD Theses:
 - i) Department of Biochemistry, University of Ghana, Legon; (10 M.Phil; 2 Ph.D)
 - ii) Department of Medical Biochemistry, Univ. Ghana. Medical School Korle Bu (7 M.Phil, 1 Ph. D)
 - iii) Department of Botany, University of Cape Coast, Cape (2 M.Phil.)
 - iv) Department of Crop Science, Univ. Cape Coast (1M.Phil.) 2007
- National Treasurer, University Teachers' Association of Ghana (UTAG) 1984-

1986

- Resource Person: Science, Technology and Mathematics Education (STME) Clinic for Girls. Saint Louis Secondary School, August 1987.
- Advisory Board Member; Journal of Ghana Science Association
- Ghana Universities Representative on Environmental Protection Council (1985-1987).

6.3 International

- Reviewer, Journal of Science and Technology (JUST) (2009 - date)
- Reviewer, Journal of Food Biochemistry (2009 –)
- Reviewer, African Journal of Biochemistry (2008 – Date)
- Reviewer, African Journal of Agricultural Research (2008 – Date)
- Reviewer, African Journal of Food Science (2009 -)
- Reviewer, Ghana Journal of Science
- Reviewer, Journal of the Ghana Science Association

- Member, Local Planning Committee for 2nd African Conference on Edible and Medicinal Mushrooms

- A member of the Ghana delegation to the International **Tailor Made Biotechnology for Endogenous Development** (TMBT) Workshop in Kisumu, Kenya 13 – 19 March, 2003. Represented the Ghana Task Group on Formal and Informal Biotechnology Education

- Member, African Technology Policy Studies (ATPS) Network (Ghana Chapter) Vice Chairman (2005 – 2007)

- Member of the Planning Committee: 1st African Conference of Vice Chancellors, Deans and Provosts of Science, Engineering and Technology 15 – 17 Nov. 2005 at La Palm Royal Hotel, Accra Ghana.

7.0 . RESEARCH GRANTS RECEIVED

7.1 Teaching and Learning Innovation Fund (TALIF)

- **US\$ 20,000** for *Construction of cold room facility for biotechnology research laboratory 2006 - 2008*

7.2. African Bio-Sciences Network:

- **\$8000.00** for studies on: *Pure culture fermentation of cocoa and utilisation of cocoa sweatings. 1991-1992*

7.3. Third World Academy of Sciences (TWAS): Trieste, Italy.

- **\$6000.00** for *Further studies into the controlled fermentation of cocoa using yeasts (July 1999 - December 2000).*

7.4. Root and Tuber Improvement Programme (RTIP)

- **¢ 6.0 million** for *studies on use of cassava peels as substrate for oyster mushroom cultivation (2006 – 2008)*

7.5. Ghana Cocoa Board (COCOBOD):

- **¢2.5 million** for *Studies on the Use of cocoa husks as substrate for oyster mushroom cultivation. (April 1999-March 2000).*

7.6. ANSTI /UNESCO, Nairobi Office:

- **\$ 12,000** Grant to develop *M.Sc. Programme in Biotechnology (2002)*

7.7 International Research and Development Centre (IDRC) Canada:

Cd \$ 300,000 for Research on *Processing and Preservation of Perishable Vegetables in Ghana, 1993 – 1996.* I was member of the investigation team

7.8 International Development Research Centre (IDRC) Canada:

Cd\$ 80,000 for *Research on Knowledge Systems for Biotechnology Policy (2005–2007)* Member of the Investigation Team with other members from STEPRI, CSIR

and University of Cape Coast, 2005 – 2007

8.0 CONFERENCES/SEMINARS AND WORKSHOPS ATTENDANCE/ PRESENTATIONS

8.1.0. Conference Participation

- 8.1.1.** Dzogbefia V.P.(2007) Member, Expert Panel at Citizens’ Conference on :
“Towards Systemic Approach to Evolution of a Biotechnology Policy in Ghana”
organised by Science and Technology Policy Research Institute (STEPRI) 10 – 11
January, 2007. Accra Ghana

- 8.1.2.** Intellectual Property (IP) Strategy and Technology Licensing Workshop
organised by World Intellectual Property Organisation (WIPO) 4 – 8 December,
2006 Noguchi Memorial Institute for Medical Research, Legon Accra

- 8.1.3.** First African Regional Conference of Vice Chancellors, Deans and Provosts of
Science, Engineering and Technology 15 – 17 November, 2005 La Palm Royal
Beach Hotel, Accra Ghana

- 8.1.4.** National Workshop on the Cartagena Protocol on Bio safety, 28th January, 2004
Bayview Hotel, Accra

- 8.1.5.** National Workshop to Discuss Final Draft Components of the National Biosafety
Framework for Ghana, 14th July, 2004---Cresta Royale Hotel, Accra.

- 8.1.6.** Legal and Technical Consultations II – National Biosafety Framework
Development Process, 31st March, 2004 – Errata Hotel, Accra.

- 8.1.7.** Training workshop on Internet Accessibility for Literature Search; organized by
KNUST Library, Kumasi – August, 2003

- 8.1.8.** Workshop on Improved Pedagogy and Research Proposal Writing. Organized by

Quality Assurance Unit; Vice – Chancellor’s Office, KNUST Kumasi – February, 2004

8.2. Conference Presentations and Published Abstracts:

8.2.1 Opoku Mensah, E. **Dzogbefia, V.P.** (2015)

“Comparative Response of Pleurotus ostreatus on Different Types of Substrates”

29th Biennial Conference of the Ghana Science Association (GSA), 3rd to 7th August, 2015 University for Development Studies, Tamale.

8.2.2. Ametefe, G.D and **Dzogbefia, V.P.** (2014). *“Optimization of Parameters Needed for Crude Pectinase Production by Saccharomyces cerevisiae (ATCC52712) in Solid State Fermentation”* Science and Technology to Promote Quality Health Care 5th November, 2014. College of Science, KNUST, Kumasi

8.2.3 Elmer Kpikpi, Richard Glover, **Victoria Dzogbefia** , Lene Jespersen (2013) **International Workshop on SEEDFOOD Project « Value added processing of underutilized savanna tree seeds for improved food security and income generation in West Africa » 12-15 Novembre 2013, Ouagadougou, BURKINA FASO**

8.2.4 Dzogbefia, V.P. (2009) The Silent and Invisible Factory Workers: Creators of Wealth for ‘Smart’ Nations: Professorial Inaugural Lecture, 30th October, 2009 Great Hall, KNUST Kumasi

8.2.5 Adu, Douglas and **V.P. Dzogbefia** (2009) Enrichment of cassava peels through *Pleurotus ostreatus* fermentation for use as animal feed
2nd African Conference on edible and medicinal mushrooms; Noguchi Memorial Institute for Medical Research, Accra – Ghana 24 – 28 March, 2009 Abstract pp 56.

8.2.6 Alemawor Francis, **V.P. Dzogbefia**, J.H. Oldham and E.O.K Oddoye (2009) Effect of *Pleurotus ostreatus* fermentation on the composition of cocoa pod husk: influence of time and Mn – ion supplementation. 2nd African conference on edible and medicinal mushrooms; Noguchi Memorial Institute for Medical Research, Accra – Ghana 24 – 28 March, 2009 Abstract pp60.

8.2.7 Alemawor Francis, **V.P. Dzogbefia**, J.H Oldham and E.O.K. Oddoye (2009)

- Broiler response to *Pleurotus ostreatus* – fermented cocoa pod husk in finisher diets; 2nd African conference on edible and medicinal mushrooms Noguchi Memorial Institute for Medical Research, Accra – Ghana 24 – 28 March, 2009 Abstract pp.58.
- 8.2.8. Yankey, E. N., Pilet, F. Quaiocoe, R.N., Derry, S.K., Dollet, M., Dzogbefia, V.P. (2008) “Search for alternate hosts of the coconut Cape St. Paul Wilt disease pathogen” Conference on.....??**
- 8.2.9. Dzogbefia V.P. (2006).** Genetically modified organisms (GMOs): potential Benefits and threats to their development and utilisation in Ghana (Speaker), Faculty of Biosciences lecture/ Seminar Series, KNUST Kumasi 1st November, 2006
- 8.2.10 Alemawor, F., V.P. Dzogbefia, E. Oddoye & J.H. Oldham (2006).** Agro-waste Utilisation: effect of fungal treatment on the feed value of cocoa pod husk. Inter. Conf. on Engineering Research & Development: impact on industry, 5 – 7 September, 2006 University of Benin, Benin City Nigeria
- 8.2.11 Dzogbefia V.P, Alemawor F. and Oddoye, E. (2005)** Application of fungal biotechnology: processing of cocoa pod husk into nutritious animal feed using the oyster mushrooms (*Pleurotus ostreatus*) as bio-catalyst 24th Biennial Conf. of Ghana Science Association, Errata Hotel and GIMPA 1 – 4 August, 2005 Abstract 87 pp. 60
- 8.2.12 F.A Yeboah, J. Dontwi, Awudzi Yeboah, P. Oti – Boateng, V. Dzogbefia, B. Sackey and H. Salomey (2005)** Assessment of the nutritional status of people living with HIV/AIDS using a mini – nutritional assessment technique. Conference on Focus on the patient 8 – 12 May, 2005 Glasgow

- 8.2.13** A.E. Elliason, A.K. Appiah, J.H. Oldham, **V.P. Dzogbefia** and E. Gyedu – Akoto (2005). Preliminary studies on novel products development from cocoa sweatings: syrup and “malt – like” beverage. 24th Biennial conference of Ghana Science Association, Errata Hotel and GIMPA 1 – 4 August, 2005
Abstract 126 pp.75
- 8.2.14** **Dzogbefia, V.P.** (2005) *Potential benefits and threats in the development and utilisation of genetically modified organisms(GMOs) in Ghana* (invited speaker) National Workshop on Genetically modified organisms (GMOs) in Ghana the benefits, threats and policy implications. Auditorium, Science and Technology Policy Research Institute (STEPRI) Accra. 28th July, 2005.
- 8.2.15** **Dzogbefia V. P.** *Juggling Time for Research and Administration; My Story* Workshop on Managing Time for Success: Challenges of a Professional Woman (invited speaker) KNUST, 9th March 2004
- 8.2.16** **Dzogbefia, V.P.** “*Formal and Informal Biotechnology Education: The Ghanaian Experience*” International Workshop on Tailor-Made Biotechnology (TMBT) for Endogenous Development; Imperial Hotel, Kisumu, Kenya (13 – 19 March, 2003)
- 8.2.17** **Dzogbefia, V.P.** “*Impact of Biotechnology on Food Security in Ghana*” (Invited Speaker).National Roundtable Conference on Development of Biotechnology in the modernisation of Ghana’s Agriculture, Teachers’ Hall, Accra; November 5, 2002.
- 8.2.18** **Dzogbefia V.P.**, E. Ameko and J.H. Oldham “*A simple biotechnological approach to enhance small scale fruit juice extraction*” Workshop on African Women in Science and Engineering: A Vision for the 21st Century. International Centre for Research in Agro-Forestry (ICRAF) Nairobi, Kenya (29 Nov-3 Dec 1999). Abstract

- 8.2.19 Dzogbefia, V. P.** *“Assault on the environment and its repair: the role of women, and women scientists and technologists”* Third World Organisation of Women in Science (TWOWS) Second General Assembly and International Conference Cape Town, South Africa (Feb.8-11, 1999)
- 8.2.20 Dzogbefia, V.P.** *“Protection of the environment through biotechnology: conversion of agricultural wastes into food”* 9th International Conference on Gender and Science and Technology”. Accra International Conference Centre, Accra, Ghana. (4 -9 July, 1999) Abstract
- 8.2.21. Dzogbefia, V.P.,** Buamah R. and J.H. Oldham *“ Effect of pure yeast culture fermentation of coca on sweating yield and Bean Quality”*: - Conference on Biotechnology and its Global Impact. 7th – 11th October, 1996 - GBF Braunschweig, Federal Republic of Germany. Abstract?
- 8.2.22. Dzogbefia, V.P.** *“Subcellular Distribution of Cocoa Seed Phosphatidate Phosphatase Activity”* 7th College on Biophysics (International Centre for Theoretical Physics, Trieste, Italy, March 4 - 29, (1996).
- 8.2.23** Ellis, W.O. Oldham, J.H., **Dzogbefia, V.P.** & Oduro, I (1996). Application of gum technology in preservation of cassava – Field studies. Proc. Ghana Soc. Agric. Eng. Sept. 22 – 26. Kumasi, Ghana pp.89 – 99.
- 8.2.24. Dzogbefia V.P.** *“ Contribution of Biotechnology to the improvement of quality of life in Ghana and the role of women in this improvement”*. - International Biotechnology Symposium and Training Workshop for African Women Scientists: Enugu, Nigeria, 16-29 July, 1995.
- 8.2.25. Dzogbefia V.P.** *“The Biochemist and Biotechnology: Any Future for Ghana?”*

- Annual Conference of the Ghana Biochemistry Students Association UST, Kumasi (Feb. 22-24, 1995).

8.2.26. Dzogbefia, V.P. *Science and Technology for Development: Expectations from Biotechnology Applications.* (invited discussant). Colloquium on Biotechnology - Ghana Biochemical Society, Cocoa Research Institute of Ghana, Tafo, April 15, 1995.

8.2.27. Adom K.K., **Dzogbefia, V.P.** and Ellis, W.O. *Effect of some Pre-treatments on the Quality of solar dried okra* Post-harvest Technology and Commodity Marketing Conference, Trade Fair Site, Accra Ghana (27-29 Nov. 1995.)

8.2.28. Kwaa M.O. Ellis W.O. Oldham J.H. **Dzogbefia V.P.** and Adu-Amankwa P. *Synergistic effect of Low Density Polyethylene Packages and Passive Evaporative Cooling on the Shelf-life of Eggplant Fruits:* 6th International Chemistry Conference, Legon, Accra, 1st July - 4th August, 1996.

8.2.29 Kwaa M.O Ellis W.O. Oldham J.H. **Dzogbefia V.P.** and Boa F.K. *“Curing as a Technique for the Shelf life Extension of Eggplant fruits (Solanum integrifolium)”*. (Ibid.).1996

8.2.30. Kwaa M. O., Ellis W.O, Oldham J.H, Adu-Amankwa P. and **Dzogbefia V.P.** *“Innovative Techniques for the shelf-life Extension of Eggplant fruits.”* Ghana Society for Agricultural Engineers (GSAE) National Conference, UST Kumasi. Sept. 25-26 1994.

8.2.31. Dzogbefia V. P. and P. J. Fritz . *“Theobroma cacao: Developmental studies on seed Triacylglycerol Biosynthesis,* Tenth Summer Symposium on Molecular and Cellular Biology - Pennsylvania State University, State College, USA (July 24-26, 1991).

8.2.32. Arhin F. Abotsi E.K. and **Dzogbefia V.P.** “*Effect of CEREMIX on Millet Wort Quality*”. Brewing Symposium on Enzymes for the Brewing Industry. Labadi Beach Hotel, Accra Ghana, (March 18, 1992).

8.2.33. Ellis, W.O, Oldham, J.H, **Dzogbefia, V.P.**, & Oduro, I. (1996). Application of gum technology in the preservation of cassava – Field studies. Proceedings of Ghana Soc. Of Agric. Eng.. – Ghana Society of Agricultural Engineers. Sept. 22 – 26 Kumasi, Ghana Pp. 89 – 99.

8.2.34 Professorial Inaugural Lecture: “*The Silent and Invisible Factory Workers: Creators of Wealth for ‘Smart Nations’*” Great Hall, KNUST October 30, 2009

9.0 REFEREED SCIENTIFIC PUBLICATIONS

9.1 Albert Doughan^{1*} and Victoria P. Dzogbefia¹ (2018). **Bioconversion of Yam Peels by *Aspergillus niger* and *Pleurotus ostreatus* into Improved Animal Feed.** *Indian J. Anim. Nutr.* **35** (4): 458-462

9.2 Oboako Isaac and Dzogbefia, V.P. (2018). **Finger Dermatoglyphics of The Asante Population Of Ghana-** *International Journal of Innovative Research and Advanced Studies (IJIRAS)* **4** (4), 191 - 194

9.3 Ametefe, G. Dzogbefia, V.P. and Apprey, C. (2017) **Optimal conditions for pectinase production by *Saccharomyces cerevisiae* (ATCC 52712) in solid state fermentation and its efficacy in orange juice extraction** *Journal of Biotechnology and Biochemistry* **3** (6,)78-86

9.4 Samuel Kwatia^{1*} **Victoria Pearl Dzogbefia¹** and Isaac William Ofofu² (2017) **Optimization of amylase production by *Aspergillus niger* cultivated on yam peels in solid state fermentation using response surface methodology.** *Afr. J. Biochem. Res.* **11**(7): 34 – 42

9.5 Daniel Awuah, **Victoria P. Dzogbefia,** Prasanta Kumar Chattopadhyay (2017) ***Finger Dermatoglyphics Of The Asante Population Of Ghana.*** *Int. J. Innovative Res. Adv. Studies.* **4** (4): 333 - 336

9.6 Michael Wiafe Akenteng, Reginald Adjetey Annan, Herman Erick Lutterodt, Victoria Pearl Dzogbefia and Charles Apprey (2017) ***Developing and testing the***

acceptability of therapeutic food for the management of severely malnourished children. Journal of Food Science and Engineering: 7: 99 - 106

9.7. *Otu, S.A.¹, **Dzogbefia, V.P.¹**, Kpikpi, E.N.², Essuman, E.K.¹ (2015) *Comparative Effect of Crude Pectinase and Commercial Enzyme in Shea Fat Extraction: J. Biotech. & Biochem. 1 (3): 18 - 27*

9.8. Bentil J. A*, **Dzogbefia, V. P.** and Alemawor, F. (2015). *Enhancement of the nutritive value of cocoa (Theobroma cacao) bean shells for use as feed for animals through a two-stage solid state fermentation with Pleurotus ostreatus and Aspergillus niger* Int. Journal of Applied Microbiology and Biotechnology Research; **3**: 20-30.

9.9. F Alemawor, E O Oddoye, **V P Dzogbefia**, J H Oldham, E L Osafo, A Donkoh (2014). *Some blood indices in finisher broiler chickens fed cocoa pod husk (Theobroma cacao L.) fermented with Pleurotus ostreatus or treated with enzymes as ingredients in their diets: Ghana Journal of Agricultural Science 47, (1) 3 - 13*

9.10. Joseph Issaka, Francis Alemawor and **Victoria P. Dzogbefia** (2013). *Bioconversion Impact of Pleurotus ostreatus on value of rice and groundnut by-products as feed resources: Research in Biotechnology 4 (5) 24 - 30*

9.11. K. Nsiah, **V.P. Dzogbefia**, D. Ansong, A. Osei Akoto, H. Boateng and D. Ocloo (2012). *Pattern of AST and ALT Changes in Relation to Hemolysis in Sickle Cell Disease Clinical Medical Insights: Blood Disorders 4: 1 – 9.*

9.12 K. Nsiah, **V.P. Dzogbefia**, A. Osei Akoto, D. Ansong (2012). *The prevalence of seropositivity to hepatitis B surface antigen and the corresponding hemato – biochemical features in sickle cell patients in Ghana, J. Haem. Malig. 2 (1) 13 - 18*

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10.0 EXHIBITIONS

- Solar dried and packaged okra – Industry and Technology Fair (**INDUTECH**) 1995, Trade Fair Site, Accra
- Aqueous method of shea butter extraction – **INDUTECH** 1987 Trade Fair Site, Accra
- Mushroom Cultivation Technology on local agricultural wastes Trade and Technology Fair, (TRATECH) KNUST Kumasi, May 2003
- Biotechnology of Soy Sauce Production. Science and Technology Forum Accra International Centre March 15 – 19 2004.

11.0. HANDBOOK AND VIDEO DOCUMENTARY

Member: In the development and production of the following Handbook and Video Cassette:

- Handbook on Harvesting and Preservation of Okra by Solar Drying Methodology Adom K.K, Ellis W.O and **Dzogbefia V. P.**
- Video Production on Cassava Preservation by Gum Technology

12.0. MEMBERSHIP OF PROFESSIONAL BODIES

- 12.1. Third World Organization for Women in Science (TWOWS). Trieste, Italy
- 12.2. Foundations for African Development through International Biotechnology (FADIB). Enugu Nigeria (1995 – 1996)
- 12.3. African Women in Science and Engineering (AWSE) Nairobi, Kenya
- 12.4. Women in Science & Technology, Ghana (WIST)
- 12.5. West African Science Association (WASA)
- 12.6. Ghana Science Association
- 12.7. Ghana Biochemical Society
- 12.8. African Technology Policy Studies (ATPS) Network, Ghana Chapter

13.0. RESEARCH INTERESTS

13.1 Lipids and Enzymology:

- (i) Extraction and characterisation of oils from non-traditional oilseeds.
- (ii) Studies on Enzymes involved in lipid biosynthesis.
- (iii) Characterisation of pectic enzymes produced by *Saccharomyces cerevisiae* (ATCC 52712)

13.2 Food Biotechnology:

- (i) Application of biotechnology in cocoa fermentation and cocoa by-product utilisation
- (ii) Starter culture fermentation for soy sauce production
- (iii) Production and Use of yeast pectolytic enzymes in fruit juice and cassava starch Processing
- (iv) Conversion of agricultural wastes into edible mushrooms
- (v) Bioconversion of agricultural wastes into improved animal feed using the oyster mushroom (*Pleurotus ostreatus*) fermentation

14. Supervision of Postgraduates: (45 M.Sc. and M. Phil. students); (3 Ph. D)

15. HONOURS RECEIVED

- (i). *2nd Ghana Women of Excellence Award (2012)* – Ministry of Women and Children's Affairs, 30th March, 2012 at La Palm Royal Beach Hotel)

(ii) **1999 Honoree - *International Who's Who of Professional and Business Women* 6th Edition**

(iii) **1999 Contestant for Pro-Vice Chancellor** position; Kwame Nkrumah University of Science and Technology (December 1999)

(iv) **“*Most Active Lecturer of the Year*” - 1996/97**
Ghana Biochemistry Students Association (UST Branch)

16. REFERENCES:

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