

CURRICULUM VITAE

A. PERSONAL DATA

1. NAME: **OLOKE, Julius Kola**
2. STATE OF ORIGIN: Osun
3. PLACE AND DATE OF BIRTH: Modakeke: 17th December, 1958
4. PRESENT POSTAL ADDRESS: Pure and Applied Biology,
LAUTECH,
PMB 4000,
Ogbomoso, Nigeria
5. E-MAIL ADDRESS: jkoloke@yahoo.co.uk
6. TELEPHONE: 234-8033806981
7. MARITAL STATUS: Married
8. NO. OF CHILDREN AND THEIR AGES: Two: 17 Years and 14 Years
9. NAME AND ADDRESS OF SPOUSE: Mrs. Olufunso O. Oloke
10. NAME AND ADDRESS OF NEXT OF KIN: Same as in No. 9 above
11. PRESENT POSITION: Professor
12. NATIONALITY: Nigerian

B. EDUCATIONAL BACKGROUND

1. Higher Educational Institutions Attended with Dates:

University of Ife (now Obafemi Awolowo University, Ile-Ife) - 1979 - 1989

2. Academic and Professional Qualifications with Dates

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|-------------------------|---|------|
| (a) B. Sc. Microbiology | - | 1983 |
| (b) M. Sc Microbiology | - | 1986 |
| © Ph. D. Microbiology | - | 1989 |

C. WORKING EXPERIENCE

1. Previous Work Experience Outside the University System

- (a) Secondary School Tutor under Oyo State Schools Board: 1977-1978
- (b) Bailiff at High Court of Justice, Iyaganku, Ibadan: 1979

- © Survey Assistant at Ministry of Works and Housing, Ibadan: 1979
(d) Lecturer at School of Midwifery, Ile-Abiye Hospital, Ado-Ekiti 1983-1984.

2. Professional Experience:

2.1 Consulting Experience:

- (a) Mushroom cultivation at TOPPY VENTURES, LAGOS, 1996 till date.
- (b) Microbiological water analysis of Alata Flour Mills, Ogbomoso- 1995

2.2 Short Courses Attended With Expertise Gained:

- (a) Genetic Engineering Training – 3rd July to 20th August, 1995 at Biology Department, University of Waterloo, Ontario Canada. Acquired skill for genetic engineering.
- (b) Mushroom Biotechnology – 1996 – at Bioharvest, Ontario, Canada. Updated my skills in mushroom bio-technology.

2.3 Experience with Bradyrhizobium inoculants:

- (a) Search for effective and ineffect nodulating strains of Bradyrhizobium – 1990 till date
- (b) Formulation of promising strains of Bradyrhizobium into inoculants using different local carriers – 1984 till date.

© Field test off some Bradyrhizobium inoculants – 1984.

2.4. Experience with antibiosis:

- (a) Screening of different plant metabolites for anti-bacterial and antifungal Effects – 1986 till date.
- (b) Development of natural and synthetic metabolites into drugs with combined synergistic effects for controlling resistant strains of Pseudomonas and Staphylococcus: 1996.

2.5 Experience with fermentation technology:

- (a) Search for ethanogenic Zymomonas -1996
- (b) Production of ethanol through unconventional methods: 1996

2.6. Experience with bioinsecticide:

- (a) Isolation of a melanin producing strain of Rhodotorula glutinis: 1993
- (b) Formulation of melanin producing strain of Rhodotorula glutinis into a Bioinsecticide 1994

- © Field test of *Rhodotorula glutinis* against cowpea pest - 1994
- (d) Genetic engineering work on *Rhodotorula glutinis* at Biology Department, University of Waterloo, Ontario, Canada – 1995 – 1996

2.7. Experience with Mushroom biotechnology

- (a) Development of growth protocols of the mushroom variety known as American oyster (*Pleurotus ocastratus* – 1994 till date.)
- (b) Integration of American oyster mushroom into Nigerian diet – 1996.
- (c) Marketing Strategies of American oyster mushroom in Nigeria – 1994 till date
- (d) Modification of the growth protocols of *Agaricus bisporus* 1996 till date.

3. Specific/Academic Working Experience in the University System:

3.1 Lecturing, Technical Experience

- (a) 1985 – 1986 - Research Fellow, Microbiology Department, University of Ife, Ile-Ife.
- (b) Octo. 1986 to Nov. 1989 – Assistant Lecturer, Microbiology Department, Ondo State University, Ado Ekiti
- © Nov. 1989 to Dec. 1990 – Lecturer II, Ondo State University, Ado-Ekiti
- (d) Jan. 1991 to Sept. 1993 – Lecturer I, Biology Department, Ladoke Akintola University of Technology, Ogbomoso
- (e) Oct. 1993 – 1997 - Senior Lecturer, Ladoke Akintola University of Technology, Ogbomoso
- (f) Oct. 1997 – 1999 - Associate Professor of Microbiology
- (g) Oct. 1999 till Date - Professor of Microbiology

3.2 Graduate Students Supervised:

- (1) Dr. AKANGBE, F. A. Ph. D. Co-Supervisor, University of Ibadan, 2001
- (2) Dr. FALEYE, O. Ph. D. Microbiology, LAUTECH, 2002
- (3) Dr. LATEEF AGBAJE, Ph. D Microbiology, LAUTECH, 2005
- (4) Dr. GUEGUM KANA, PhD Microbiology, LAUTECH, 2005
- (5) Mr. ADELOWO O. O. M.Sc. Microbiology, UNILAG, 2002
- (6) Miss. UFUONDU C. M. Sc. Microbiology, UNILAG, 2002
- (7) Mr. OLUKAYODE O. M. M.Sc. Microbiology, UNILAG, 2002
- (8) Dr Oke PhD Mrobiology, LAUTECH, 2006

- (9) Mis Grace Oyeyiola ,.M.Tech.Mirobiology, LAUTECH, 2006
- (10) Mr Bello Jelili, M. Tech. Microbiology, LAUTECH, 2005
- (11) Dr Olaniyan PhD Microbiology LAUTECH 2009
- (12) Mr Elijah Adebayo M Sc Biotechnology LAUTECH 2009
- (13) Mr Ganiyu M Sc Biotechnology LAUTECH 2007

3.3 Course taught: 1986 till date:

Medical Microbiology, Virology, Bacteriology, Microbial genetics, Pharmaceutical Microbiology, Microbial Ecology, Introductory Microbiology, Molecular Forms and Function in Bacterial systems, Soil Microbiology, Advanced Molecular Biology, Fermentation Biotechnology, Microbial Technology Microbial Physiology and metabolism.

3.4 Technical Manuals Completed:

- a. Protocols for the cultivation of American Oyster Mushroom in Nigeria – 1996
- b. Formulation of Trinity Immunobooster(Trino IB) for the management of HIV/AIDS, cancer, fibroid, diabetes and sickle cell anamiae

4. Details of Administrative Experience and Service to the Community:

- 4.1.1. Headship Pure and Applied Biology Department, Ladoke Akintola University of Technology, Ogbomoso – 1997 to 2001.
- 4.1.2. Deputy Dean; Post Graduate School; LAUTECH; 1999 Till 2005
- 4.1.3. Director, Academic Planning Unit LAUTECH; 2002 till 2005
- 4.1.4. Council Member LAUTECH 2002 till 2005
- 4.1.5. Director Biotechnology Centre LAUTECH 2002 till Date
- 4.1.6. Chairman Pre-Degree Science Programme LAUTECH. 2005 till Date
- 4.1.7. Member F & G PC, LAUTECH Governing Council 2002 till 2005
- 4.1.8. Member Tenders Board LAUTECH Governing Council 2002 till 2005

4.2 Membership of Committees:

- (a) Representative of the Faculty of Pure and Applied Sciences at the Faculty Board of Agriculture – 1994 to 1997.
- (b) Chairman, Faculty of Science LAUTECH Book Series - 1996.

- (c) Representative of the Faculty of Science at LAUTECH Post-Graduate Board - 1996
- (d) Representative of LAUTECH Congregation at Senate – 1995 to 1997
- (e) Chairman, Departmental Staff Review Committee - 1997 to 2000
- (f) Chairman, Departmental Examination Board - 1994 to 2000
- (g) Member, Faculty of Science, Board of Studies - 1994 to 2000
- (h) Member, Faculty Admission Committee - 1996 to 2000
- (i) Member, Development Committee - 2002 till Date
- (j) Member, Appointment and Promotion - 2002 till Date

4.3 Co-ordinator of Microbiology Department – Ondo State University, Ado-Ekiti – 1986

4.4 Co-ordinator, Curriculum Development Committee, Microbiology Department, Ado-Ekiti - 1990

4.5 Co-ordinator, Remedial Science Programme, Ondo State University, Ado-Ekiti – 1990.

4.6 Developed proposed M.Sc and Ph.D. Degree Programmes for LAUTECH Biology Department.

D. MEMBERSHIP OF PROFESSIONAL BODIES

- (a) Member, Biotechnology Society of Nigeria.
- (b) Member, Pharmaceutical Society of Nigeria
- (c) Member, Foundation for African Development Through International Biotechnology (FADIB)

E. PUBLICATIONS:

(k) Thesis/Dissertation:

(a) OLOKE, J. K. (1983) Cultivation of yeast in cassava extract
B.Sc. Dissertation, University of Ife, Ile-Ife

(b) OLOKE, J. K. (1986) Field Assessment of some cowpea Rhizobium
Inoculants. M.Sc. Thesis, University of Ife, Ile-Ife.

© OLOKE, J. K. (1989), Antibacterial and antifungal effect of the components of Aframomum melegueta Roscoe. Ph. D. Thesis, University of Ife, Ile-Ife.

ii. **Published Articles:**

1. OLOKE, J. K. and ODEYEMI, O. (1988). An assessment of some Nigerian Bradyrhizobium Inoculants on the performance of Three Cowpea Cultivars (*vigna unguiculata*) in Two Field plots. *Biology and Fertility of Soils*: 6: 178-182
2. OBAFEMI, C. A., EJENAVI, A. B., KOLAWOLE, D. O. AND OLOKE, J. K. (1989). (1989). Studies of Heterocyclic Compounds X (1). The Synthesis and some properties of some organitin (iv) – oxide and Nitrogen petercocytes. *Inorganica Chemical Acta Bioinorganic Chemistry*. 151, (1), 21 – 27.
3. OLOKE, J. K. KOLAWOLE, D.O. and ERHUN, W. O. (1988). The Anti bacterial and Antifungal Activities of certain components of *Aframomum melegueta* fruits. *FITOTERAPIA LIX*, (5), 384 – 388.
4. OLOKE, J.K., and KOLAWOLE, D.O.(1988). The Antimicrobial Spectrum of Inhibitory Substances of some Fungi. *Nig. J. Biotechnology*, Vol.6 127-130.
5. OLOKE, J.K., KOLAWOLE, D.O.AND ERHUN,W. O.(1989). Antimicrobial effectiveness of paradols. *J. ETHNOPHARMACOLOGY* 25 109 – 115.
6. ADEBAJO, A.C., OLOKE, J. K. and ALADESANMI, J. A. (1989). Antimicrobial Activities and Microbial Transformation of Volatile Oils of *Eugenia uniflora*. *FITOTERAPIA* (lx 5, 451-456.
7. ADEBAJO, A.C., OLOKE, J. K. and ALADESANMI, J. A. (1989). Antimicrobial Activites of the Leaf Extract of *Eugenia uniflora*. *PHYTOTHREAPHY RESEARCH*, 3(6) 258-259.
8. OLOKE, J. K. and FAMUREWA, O. (1991). Suitability of media formulated from local raw materials for the growth of some selected microorganisms. *Discovery and Innovation* 3(4) 77-81.
9. ADEBAJO, A.C., ALADESANMI, A.J. and OLOKE, J. K.(1991) Antimicrobial activity of *Laportes aestuans*. *FITOTERAPIA LXII* (6):504-505.
10. ADEBAJO, A. C., ALADESANMI, A. J. and OLOKE, J. K. (1991). Antimicrobial activity of *FITOTERAPIA LXII* (6): 505-506.
11. OLOKE, J. K. (1992). Fungicidal effects of the Volatile oil of *Aframomum melegueta*. *FITOTERAPIA LXIII* (3): 269
12. OLOKE, J. K. (1997) Comparison of antibacterial effectiveness of *Aframomum melegueta* extract with its mosquitocidal potency. *African Journal of Science*. 1:62 – 65.

13. OLOKE, J. K. (1997) Synergism between tetracycline, bacterim and seed extract of *Aframomum memegueta*. African Journal of Science. 1:82-85.
14. OLOKE, J. K. (1997) Microbiological analysis of Hawked Water. African Journal of Science. 1:22-28.
15. OLOKE, J. K., O. O. ADELOWO and A. O. FALEYE 1998. Behaviour of two *Pseudomonas* strains in the control of bacterial wilt disease. BioScience Research Communications. 10(2): 107-111.
16. OLOKE, J. K., F. A. AKANGBE, O. A. ODUNOLA and J.A.O. WOODS, 1998. Comparison of the antimicrobial activities of metal (II) Complexes of Barbituric acid and Barbitone sodium. BioScience Research Communications. 10(4):323-327.
17. AKANGBE, F. A.; J. K. OLOKE, J. A. O. WOODS and O. A. ODUNOLA, 1998. The antimicrobial activities of the nickel (II) and copper (II) complexes of various – diketones and their adducts. BioScience research Communications 10(4):317-322.
18. OLOKE, J. K., K.E.B. Guegim and A.E. Okeyinka, 1998 Computer-aided approach to locating the conserved regions of amino-acids sequences, BIOKEMISTRI 8(2):79-91.
19. AFOLABI, T. J. and J. K. OLOKE, 1999. Effect of yeast and its sources on alcohol produced from banana and plantain. Bioscience Research Communications 11(3):263-267.
20. OLOKE, J.K. 2000. Activity pattern of natural and synthetic Antibacterial agent among hospital isolates. MICROBIOS. 102:175-181.
21. ADEOYE, I.O., O. A. ODUNOLA and OLOKE, J.K. 2000. Preliminary investigation of antimicrobial properties of some metal hydrates Journal of Science Engineering and Technology. 7(3):2626-2630.
22. ADEOYE, I.O. and J. K. OLOKE. 2000 Structure-effect relationship of benzoic acid and its analogues on *Trichophyton mentagrophytes* and *Saccharo myces cerevisiae*. Applied Natural Sciences Research. 1(2):6-8.
23. OLOKE, J.K. 2001. The performances of three plant extract-based media in the cultivation of media bacteria. African Journal of Clinical and Experimental Microbiology. 2(2):32-36.

24. GUEGUIM, K.E., J.K. OLOKE and A. LATEEF 2002. Overpopulation of ammonia by a local isolate of *Staphylococcus aureus* in a cheaply fabricated medium. *Journal of Nigerian Society for Experimental Biology*. 2(2).
25. LATEEF, A. and J.K. OLOKE 2001. The effect of *Pseudomonas aeruginosa* ammonia-based biofertilizer on yield performance of two maize varieties in the green house. *Bioscience Research Communications*. 14(2).
26. GUEGUIM, K. OLOKE, J.K. and LATEEF A. 2001. Overpopulation of ammonia by a local isolate of *Staphylococcus aureus* in a cheaply fabricated medium. *Journal of Nigerian Society for Experimental Biology*. 1(4):297-304.
27. ADEBIYI, A.O., and J. K. OLOKE (2002). Effects of diets supplemented with starch hydrolysed with amylase from *Trichoderma viride* on *Ratus rattus*. *Science Focus*. Vol.1:72-78.
28. ADEBIYI, A. O., AKINBORO, A. and J. K. OLOKE (2003). Characterization of thermostable lipase from local isolate of *Trichoderma viridiae*. *Science Focus*. Vol.2:49-54.
29. GEUGUIM KANA, E.B.; J. K. OLOKE and LATEEF, A. (2003). Construction of a rugged 4.5 liter bioreactor for the fermentation of *Actinomyces* Sp. *African Scientist*. 4(1):1-5.
30. GEUGUIM KANA, E.B.; J. K. OLOKE and LATEEF, A. and ZEBAZE KANA, M.G.(2003). Computer software for realtime control and monitoring of fermentation process. *Asian Journal of Microbiology, Biotechnology and Environmental Sciences*, vol.4.
31. LATEEF, A., J. K. OLOKE, and GUEGUIM, K. A. 2003. Overproduction of Ammonia by a local isolate of *Pseudomonas aeruginosa* in cheaply fabricated media. *Research Communication in Microbiology* 1(2):62-67.
32. ADELOWO, O. O., J. K. OLOKE, 2003. Biotransformation of Okpara Mine (Nigeria) Lignite by microbial biosurfactant. *Journal of the Nigerian Society of Experimental biology*.
33. ADELOWO, O. O. and OLOKE, J. K. 2003. Comparison of the emulsification and oil displacement profile of some biosurfactant. *Journal of the Nigerian Society of Experimental Biology*.
34. GUEGUIM KANA, E. B. OLOKE, J.K., LATEEF, A., and ZEBAZE KANA, M.G. 2003. Constructional features of a 15-litre home-made bioreactor for fed-bath fermentations. *African Journal of Biotechnology* vol. 2(8) 233-236.
35. LATEEF, A. and J. K. OLOKE, 2003. Enzymatic synthesis of oligosaccharide by *Actinomyces* Spp. *Asian Jr. of Microbiol. Biotech. Env. Sc.* 5(3):9-13.

36. GUEGUIM KANA, E.B., OLOKE, J.K., LATEEF, A. and ZEBAZE KANA, M.G. 2003. Use of artificial intelligence in control and optimizations of microbial fermentations. *Science Focus* 3:56-60.
37. LATEEF, A., OLOKE, J.K. and GUEGUIM KANA, E.B. 2003. The prevalence of bacteria resistance in clinical, food, water and some environmental samples in Southwest Nigeria. *Environmental Monitoring and Assessment*. Neitherland.
38. LATEEF, A. and OLOKE, J.K., 2003. Resistance pattern of some clinical and soil isolates of *Pseudomonas aeruginosa*. *Science Focus*.4:22-26.
39. LATEEF, A., J.K. OLOKE and GUEGUIM KANA, E.B. 2003. Production of oligosaccharides by partially purified alpha-amylase from *Alternaria alternate*. *Science Focus*. 4: 36 – 40.
40. LATEEF, A. and OLOKE, J.K. 2002. The effect of *pseudomonas aeruginosa* ammonia-based biofertilizer on yield performance of two maize varieties in greenhouse. *Bioscience Research Communications* 14(6): 521-525.
41. LATEEF, A. OLOKE, J. K. and GUEGUIM-KANA, E.B. 2004. Antimicrobial resistance of bacteria strains isolated from orange juice products. *African J. of Biotechnology* 3(6): 334-338.
42. LATEEF, A. OLOKE, J.K., GUEGUIM KANA, E.B. and ADEBAYO, I. 2004. Aspects of the isolation and characterization of thermostable alpha-amylase from *Alternaria alternate*. *Global Journal of Pure and Applied Sciences* vol. 10(1).
43. ADELOWO, O.O. and OLOKE, J.K. 2004. Comparison of the microbial transformation products of Nigerian lignite with alkali treated ones. *Science Focus* 7:149-157
44. LATEEF, A. and J.K. OLOKE, 2005. Inhibitory effects of selected disinfectants and antiseptics on some resistant strains of *Pseudomonas aeruginosa*. *Global J. of Pure and Applied Sciences* vol.II (3) 367-369.
45. OLOKE, J.K. and B.R.GLICK, 2005. Production of bioemulsifier by an unusual isolate of salmon/red melanin containing *Rhodotorula glutinis*. *African J. Biotechnology* vol.4(2).
46. GUEGUIM KANA, E.B. and OLOKE, J. B. 2005. Novel feeding strategies for *Saccharomyces cerevisiae* DS2155, using glucose limited exponential fedbatch cultures with variable specific growth rates. *African J. Biotechnology* vol.4(8).
47. OYEDEYI, A.S., V. A. TOGUN, J.K. OLOKE and A.G. OYEYIOLA (2006). B-Glucan Sex-dependently attenuates, the Hyperalgesic effects of arsenite in Rats. *American-Eurasian J. Agric & Environ. Sci.* 1(3).

48. OLOKE, J.K.; E.O. AKANNI and V.A. TOGUN (2006). Comparison of the immunomodulating activity of *Rhizopus nigricans* meal with B-glucan in Nera Black Cocks World Applied Sciences Journal 1 (2):
49. TOGUN, V.A.; A.S. OYADEYI, **J.K. OLOKE** and A.O. OYEWOPPO (2005). Effect of sodium arsenite with or without Vitamin E on epididymal sperm motility and concentration Sprague dawley rat. Proceeding of the 39th Conference of the Agricultural Society of Nigeria, Benin 2005.
50. AGBAJE LATEEF, **JULIUS K. OLOKE**, EVARISTE B. GUEGUIM KANA and ESTHER PACHECO (2006). The microbiological quality of ice used to cool drinks and foods in Ogbomoso metropolis, Southwest, Nigeria. Internet Journal of Food Safety. Vol.8:39-43.
51. LATEEF, A.; **OLOKE, J.K.** and GUEGUIM-KANA, E.B. (2004). Antimicrobial resistance of bacteria strains isolated from orange juice products. African Journal of Biotechnology. 3(6):334-338.
52. OLOKE, J.K. (2006). Teleomorphism in speciation. American-Eurasian Journal of Scientific Research 1 (1):
53. ADEBIYI, A.O.; ADEBIYI, O.O. and J.K. OLOKE (2005). Nutritional composition of Sorghum bicolor starch hydrolyzed with amylase from *Rhizopus* spp. AJB-05-168 Tale et al African Journal of Biotechnology.
54. OLOKE, J.K. and GLICK, B.R.(2005). Production of bioemulsifier by an unusual isolate of salmon/red melanin containing *Rhodotorula glutinis*. African Journal of Biotechnology 4(2):164-171.
55. OLOKE, J.K. and GLICK, B.R. (2006). Expression of melanin and insecticidal Protein from *Rhodotorula glutinis* in *Escherichia coli*. African Journal of Biotechnology. 5(4):327-332.
56. Oloke J K , E O Akani and V A Togun (2006). Comparison of the immunomodulating activity of *Rhizopus nigricans* meal with beta-glucan in near black cocks. World Applied Sciences Journal 1(2): 80-86.
57. Oloke J K (2006). Teleomorphism in speciation. American-Eurasian Journal of Scientific Research 1 (1) : 68-72.
58. Lateef A , J K Oloke and S G Papulla (20007) The effect of ultrasonication on the release of fructosyltransferase from *Aureobasidium pullans* CFR 77. Enzyme and Microbial Technology. 40 : 1067-1070.

59. Gueguim-Kana, J K Oloke, A Lateef and M G Zebaze-Kana (2007). Novel optimal temperature profile for acidification process of *Lactobacillus bugarius* and *Streptococcus thermophilus* in yoghurt fermentation using artificial neural network and genetic algorithm. *Journal of Industrial Microbiology and Biotechnology*. May 2007. .
60. Gueguim-Kana E B, J K Oloke and A Lateef (2007). Novel feeding strategies for *Saccharomyces cerevisiae* DS2155, using glucose limited xponential feedbatch cultures with variable specific growth rates. *African Journal of Biotechnology* 6(9) :1122-1127.
61. Agbaje Lateef, J K Oloke, E B Gueguim Kana, S O Oyeniya, O R Onifade, A O Oyeleye, O C Oladosu 2008 *Rhizopus stolonifer* LAU 07 : a new novel source of fructosyltransferase for the production of fructooligosaccharides. *Chemical Papers* 2008.
62. Agbaje Lateef , J K Oloke 2008 Improving the quality of Agro-wastes by solid state fermentation: enhanced antioxidant activities and nutritional qualities. *World Journal of Microbiology and Biotechnology*. 2008.
63. Oloke J K 2008 Immunomodulating properties of Trino IB immunobooster. *African Journal of Biotechnology* 7(14): 2321-2323

iii. **Inaugural Lecture**

64. OLOKE, J.K., 2004. *Bioengineering; Roadmap to National greatness*. LAUTECH Press 1-40.

iv. **Conference Proceeding**

- 65 ADELOWO, O.O. and J.K. OLOKE, 2001. Biological treatment of environmental pollutants: The potentials of microbial biosurfactants. *Foundation for African Development Through International Biotechnology (FADIB). Workshop on Environmental Pollution & Remediation Technologies in Soil and Water in Africa, Nike Lake Resort Hotels, Enugu. 15-19 July, 2001.*

v. **Book**

- 66 OLOKE, J.K. OSUNDINA, M.A., O.O. FAWOLE and M. O. LIASU (1998). *Introductory General Biology*. Y-Books. Ibadan (LAUTECH Book Series). ISBN: 978-2659-82-7.

67. OSUNDINA, M.A., J. K. OLOKE, O.O. FAWOLE and M.O. LIASU (1998). Diversity of organism. Y-Books. Ibadan (LAUTECH Book Series): ISBN: 978-3453-5-4.

68. GUEGUIM KANA, E.B., J.K. OLOKE, A. LATEEF, and M.G. EBAZE KANA, 2005. The trends in Microbial fermentation processes using artificial intelligent tools in Genetic Resources and Biotechnology vol.II. D Thangadurai, T. Pullaiah, Pedro A. Ballattii (Editors). Regency Publications New Delhi pp. 132-143.

F. PROFESSIONAL ACCOMPLISHMENT

- (a) Isolation of a melanin and insecticidal crystal producing strain of *Rhodotorula glutinis*.
- (b) Design and fabrication of computerized bioreactor.
- (c) Formulation of Trinity Immunobooster(Trino IB) for the treatment of HIV/AIDS, cancer, fibroid, diabetes, low sperm count and sickle cell anemia
- (d) Production of an unusual nanocrystalline biopolymer that can replace titanium dioxide as a semiconductive metal oxide layer in the construction of bio solar photovoltaic

G. CONFERENCES ATTENDED

- (a) Annual Conference of Microbiology Society of Nigeria held at the University of Ife, Ile-Ife in 1986.
- (b) International Evaluation of Traditional Medicine in Africa, held at the University of Nigeria; Nsukka in March, 1987.
- © 60th Annual Conference of Pharmaceutical Society of Nigeria, held at the University of Ife, Ile-Ife in 1988.
 - 1. Annual Conference of Biotechnology Society of Nigeria held at VOM, Jos – March, 1988.
 - 2. 62nd Annual Conference of Pharmaceutical Society of Nigeria, held at the Ogun State Hotel from 7th to 11th November, 1989.
 - 3. International Workshop on Fermentation Technology, held at Enugu from 7th to 19th September, 1992.
 - 4. Workshop on Biotechnology and Food, held at Enugu from 10th to 23rd April, 1994.
 - 5. Workshop on Biotechnology and Food, held at Enugu from 10th to 23rd April, 1994
 - 6. Workshop on Genetic Engineering, held at Enugu from 12th to 26th September, 1994.

H. FELLOWSHIPS AND AWARDS:

- (b) NSERC/CDIA; used at Biology Department University of Waterloo; Canada from June 1995 to February 1996.
- (c) United Nations Biotechnology Fellowship; used at Biology Department, University of Waterloo; Canada from June 1995 to February 1996.

I GRANT

1. Third World Academy of Science Research Grant No. 96-029. March 1997. Value US\$5,000.00.
2. Construction of Computerized Bioreactor. LAUTECH SPECIAL RESEARCH GRANT. November 2004, Value N650,000.

J. CURRENT RESEARCH ACTIVITIES:

- (a) Formulation of HIV/AIDS, cancer and diabetes drugs
- (b) Production of nanocrystalline biopolymer for use in solar photoelectrochemical cells.
- (c) Cross breeding of various mushroom species to yield better adapted variety
- (d) Standardization of biosurfactant for bioremediation
- (e) Isolation, characterization and structural elucidation of bioactives from Archea obtained from bitumen producing area.
- (f) Biodegradation of bitumen for production of crude oil.
- (g) Production of biopharmaceuticals from submerged fermentation

K. Referees

- a. **Professor O A Odunola**
Dean
Faculty of Pure and Applied Sciences
Ladoke Akintola University of Technology
Ogbomoso.
- b. **Professor A Adedibu**
Department of Urban and Regional Planning

**Ladoke Akintola University of Technology
Ogbomoso**

**c. Professor Y L Fabiyi
Department of Agric Econs
Ladoke Akintola University of Technology
Ogbomoso**

SIGNATURE AND DATE