

CURRICULUM VITAE

NAME: GODWIN NWACHUKWU ISITOR

NATIONALITY: Nigerian; Presently a Resident of the Republic of Trinidad and Tobago; also Resident of Britain.

ADDRESS: School of Veterinary Medicine, Faculty of Medical Sciences, The University of the West Indies, Trinidad, W.I.

MARITAL STATUS: Married with four children

BIRTH DATE: January 17, 1950

A. BASIC CAREER DATA

ACADEMIC QUALIFICATIONS:

D.V.M., 1975, Ahmadu Bello University, Zaria, Nigeria

M.S., 1978, Kansas State University, Manhattan, U.S.A

Ph.D., 1981, Ahmadu Bello University, Zaria, Nigeria

Certificate in Advanced Pascal Programming, 1988, Systech Ltd. Trinidad. W.I.

EMPLOYMENT EXPERIENCE:

1. Department of Preclinical Sciences, Faculty of Medical Sciences, The University of the West Indies, Trinidad, W.I, (November 1986 to June, 2009).

Positions Held

Professor of Veterinary and Microscopic Anatomy (May 2004 to June 2009)

Snr. Lecturer

Veterinary Anatomy (1986 to April 2004)

Deputy Dean, Basic Sciences, Faculty of Medical Sciences (June, 1995 to July 1997)

2. Department of Veterinary Anatomy, Faculty of Veterinary Medicine, Ahmadu Bello University, Zaria, Nigeria.

Positions Held

Senior Lecturer (October 1981 - November 1986)

2

Lecturer I (October 1979 - September 1981)

Lecturer II (August 1976 - September 1979)

3. N.Y.S.C. Programme, Ministry of Agriculture, Veterinary Division, Uyo, Nigeria (August 1975 - July 1976).

Position Held:

Veterinary Officer

4. Anglican Grammar School, Akwukwu-Igbo, Bendel State, Nigeria (January 1969 - August 1970).

Position Held:

Tutor of Chemistry and Biology

B. PUBLICATIONS

Thesis

1. Isitor, G.N. Origin and early development of canine circumanal glands. M.S. Thesis, Kansas State University, Manhattan, U.S.A., 1978.

2. Isitor, G.N. Ultrastructural study of normal and neoplastic cells of canine hepatoid circumanal gland. Ph.D. Thesis, Ahmadu Bello University, Zaria, Nigeria, 1981.

Journal Articles

3. Isitor, G.N. Humeral Fracture and repair in a monkey. Student Veterinary Journal, Ahmadu Bello University, Zaria, 6: 33-34, 1975.

4. Isitor, G.N. and Weinman, D.E. Origin and early development of canine circumanal gland. *American Journal of Veterinary Research*, 40: 487-492, 1979.
5. Isitor, G.N., Weinman, D.E. and Paulsen, A.Q. Intranuclear cisternal and vesicular structures in canine circumanal gland carcinoma cells. *American Journal of Veterinary Research*, 40: 1748-1751, 1979.
6. Isitor, G.N. and Ema, A.N. Cellular mode of obliteration of lipid vacuoles. *Electron Microscopy*, 2: 90-91, 1980.
7. Isitor, G.N., Njoku, C.O. and Ezeokoli, C.D. Hepatoid circumanal gland carcinoma in a dog. *Nigerian Veterinary Journal*, 10: 36-39, 1981.
8. Isitor, G.N. Comparative Ultrastructural study of normal, adenomatous, carcinomatous and hyperplastic cells of canine hepatoid circumanal gland. *American Journal of Veterinary Research*, 44: 463-476, 1983.
9. Isitor, G.N., Ezeokoli, C.D. and Chineme, C.N. A histopathological and ultrastructural study of lesions of *Peste des Petits ruminants* in Sokoto red goats. *Tropical Veterinarian*, 2: 151-158, 1984.
- 3
10. Isitor, G.N., Dellmann, H.D., Adegboye, D.S., Ezeokoli, C.D. and Chineme, C.N. Ultrastructural evidence for involvement of pox virions in lesions of bovine dermatophilosis. *Tropical Veterinarian*, 2: 183-189, 1984.
11. Isitor, G.N. The keratinized layer as an ideal region for TEM localization of micro-organisms in bovine dermatitis. *Proc. 42nd Annual Meeting of Electron Microscopy Society of America*, pp. 186-187, 1984.
12. Isitor, G.N., Adegboye, D.S. and Paulsen, A.Q. Bovine dermatitis associated with Gram-negative bacteria and microfilaria: An ultrastructural observation. *Proc. National Conference on Diseases of Ruminants, Vom*, 387-392, 1984.
13. Isitor, G.N. and Adegboye, D.S. Ultrastructural Characteristics of *Dermatophilus congolensis*: An in vitro and in vivo studies. *Proc. National Conference on Diseases of Ruminants, Vom*, 380-386, 1984.
14. Ezeokoli, C.D., Umoh, J.U., Chineme, C.N., Isitor, G.N. and Gyang, E.O. Outbreaks of *Peste des Petits ruminant* in Sokoto red goats. *Proc. National Conference on Diseases of Ruminants, Vom*, pp. 71-75, 1984.
15. Amber, E.I., Isitor, G.N. and Adeyanju, J.B. Viral-like particles associated with two cases of naturally occurring transmissible venereal tumor of dogs. A preliminary report. *American Journal of Veterinary Research* 46: 2613-2615, 1985.
16. Isitor, G.N. Avian encephalomyelitis: A clinico-pathological and ultrastructural study of outbreaks in Kaduna State of Nigeria. *Journal of Animal Production Research*, 5: 97-111, 1985.
17. Isitor, G.N. and Adegboye, D.S. Ultrastructural characteristics of *Dermatophilus congolensis*. An in vitro and in vivo studies. *Tropical Veterinarian*, 4: 15-23, 1986.
18. Kazeem, H.M., Isitor, G.N., Adegboye, D.S. and Kparevzua, R.K. An unusually severe outbreak of dermatophilosis in a herd of Santa Gertrudi cattle imported into Nigeria. *Journal of Animal Production Research* 6: 153-159, 1986.
19. Ezeokoli CD, Umoh JU, Chineme CN, **Isitor GN**, Gyang EO. Clinical and epidemiological features of peste des petits ruminants in Sokoto Red goats. *Rev Elev Med Vet Pays Trop*. 39: 269-73, 1986.
20. Obasi, O.E. and Isitor, G.N. Extensive congenital bilateral epidermal naevus syndrome.

A case report from Nigeria with ultrastructural observations. *Journal of Clinical Dermatology*, 12: 132-135, 1987.

21. Isitor, G.N. and Gbolagunte, G. Fine structural features of dermatophilosis-infected bovine hides and their implication in the quality of leather. *Journal of American Leather Chemical Association*, 82: 351-359, 1987.

22. Gbolagunte, G.D., Isitor, G.N., Owoeye, L.D., Ejila, A., Salako, M.O. and Mshelbwala, A.S. Comparative study of histology and physical quality of chrome-tanned shoe, upper leathers from hides of treated and untreated dermatophilosis-infected cattle. *Journal of Leather Research* 5: 33-40, 1987.

4

23. Isitor, G.N., Kazeem, H.M., Adegboye, D.S. and Ema, A.N. *Dermatophilus congolensis* in lesions of natural cases of ovine contagious ecthyma. *Tropical Veterinarian* 5:83-88, 1987.

24. Isitor, G.N., Kazeem, H.M., Njoku, C.O., Adegboye, D.S. and Dellmann, H.D. Frequency of involvement of Pox virions in lesions of bovine dermatophilosis. *Tropical Animal Health Production* 20: 2-10, 1988.

25. Isitor, G.N. The design and application of a computer-assisted diagnostic expert system in veterinary science. *Proceedings, First Caribbean Conference and Exhibition on Artificial Intelligence, U.W.I., Trinidad*, 260-268, 1989.

26. Ezeifeke, G.O., Umoh, J.U., Ezeokoli, C.D. and Isitor G. Ultrastructural Study of IFE Virus Strain **IBAN57928** in Infant Mice. *Bulletin of Animal Health Production for Africa* 39, 57-60, 1991.

27. Isitor, G.N. and Adogwa, A.O. A case of calf craniopagus in Trinidad. *Veterinary Record*, 130: 401-402, 1992.

28. Isitor, G.N. The enhancement of veterinary practice through computerisation. *Proceedings of Caribbean Academy of Sciences*, Vol. 3, 161-168, 1992.

29. Isitor, G.N., Njoku, C.O., Adogwa, A.O. and Oyekan, A.O. Study of efficacy of *Lamstreptocide A and B* on cases of dermatophilosis within the Caribbean. *Revue Elev. Med. Vet. Pays Trop.*, 46:303-308, 1993.

30. Cazabon, E.P.I., Adogwa, A.O., Bridgewater, E., and Isitor, G.N. A case of cephalothoracopagus in sheep in Trinidad and Tobago, West Indies. *Proceedings of Caribbean Academy of Sciences*, Vol. 6, 86-92, 1995.

31. Addae, J.I., Melville, G.N., West, S., Legall, G., Alleyne T., Isitor, G.N., and Bennett, C. Entrance qualifications and student performance in a hybrid problem based and traditional medical programme. *West Indian Medical Journal*, 46: 120-123, 1997.

32. Isitor, G.N. and Cooper, J.E. Observations on the nuclear chromatin pattern in cells of a case of canine circumanal gland adenoma in Trinidad. *Journal of the Caribbean Veterinary Medical Association*, 4: 3-10, 2004.

33. Isitor, G.N. Application of digital imaging and texture analytical techniques in evaluation of radiographs and nuclear chromatin patterns of cells. *Proceedings of the 23rd Biennial Caribbean Veterinary Medical Association Conference*, 14, Nov. 2004.

34. Isitor G.N. and Asgaralli, Z. Nuclear subdomains in avian erythrocytes and mammalian lymphocytes: Visualization by digital imaging segmentation technique and fluorescence microscopy. *Clinical Anatomy*, 19: 286, 2006.

35. Isitor, G.N., M. Campbell, S.M. Singh. Relevance of nucleic acid distribution pattern in diagnostic cytology: Studies by fluorescence microscopy and digital imaging analytical technique. *Clinical Anatomy*, 19: 772, 2006.

36. Isitor G. N. and R. Thorne. Comparison between nuclear chromatin patterns of digitalized images of cells of the mammalian testicular and renal tissues: An imaging segmentation studies. *Computerized Medical Imaging and Graphic Journal. Computerized Medical Imaging and Graphics*, 31: 63-70, 2007.

5

37. Nayak, S, Isitor, G.N., Maxwell, A, Bhogadi, V. and Ramdath, D. Wound healing activity of *Morinda citrifolia* fruit on streptozocin-induced diabetic rats. *Journal Wound Care*, 16:

83-86, 2007.

38. Isitor, G.N., and Coombs, D.K. A new digitally-aided radiographic technique for evaluation of pre-race equine metacarpophalangeal articulation health status: A preliminary investigation. Proceedings, Fourth Pan Commonwealth Veterinary Conference, 286, 2007.

39. Isitor G.N and Coombs, D. Investigation of the ossification pattern of equine metacarpophalangeal articulation with the aid of digital imaging segmentation and processing technique: A preliminary report. Journal of Equine Veterinary Science, 27: 346-354, 2007.

40. Nayak, B.S., Isitor, G., Davis, E.M., Pillai, G.K. The evidenced based healing activity of *Lawsonia inermis* Linn. Phytotherapy Research, 21: 327-831, 2007.

41. Nayak, B.S., and Isitor, G.N. Evaluation of hypoglycaemic and chronic wound healing activity of *Cecropia peltata* on streptozotocin-induced diabetic rats. In Phytopharmacology & Therapeutic Values II. Recent Progress in Medicinal Plants, Vol. 20: 125-134, 2007.

42. Isitor, G.N., Asgarali, Z. and Pouching, K. Nucleic acid distribution pattern in avian erythrocytes and mammalian lymphocytes: Comparative studies by fluorescence microscopy and digital imaging analytical techniques. Research in Veterinary Science, 85:418-432, 2008.

43. Isitor, G.N., Campbell, M. and Nayak, B.S. Nucleic acid distribution pattern as a possible biomarker for metabolic activities of neoplastic cells: A digitally-aided fluorescence microscopy study on normal and neoplastic lymphocytes of acute and chronic canine lymphocytic leukemia. Cancer Cell International, 9:1-13, 2009.

Articles in Preparation

44. Isitor, G.N., Pouching, K, Singh, S, and Seetahal J. Nucleic acid distribution pattern of immature erythrocytes in relation to infectious and anemic states: Features of diagnostic and prognostic relevance.

45. Isitor, G.N., Singh, S, and Seetahal J. and Akinyeke, A. Effective diagnostic and prognostic monitoring of malaria parasite infection in human cases through digitally-aided fluorescence and phase-contrast microscopy.

46. Isitor, G.N., Suresh, R., and Nayak, S. Autofluorescent structures in hematoxylin and eosin stained duodenal mucosa of the domestic cat.

6

CURRENT RESEARCH ENDEAVOURS

Presently engaged in the application of digitally-aided fluorescence microscopy, nucleic acid biomarker, digital imaging and texture analytical techniques, as well as ultrastructural procedures in diagnostic, prognostic and explorative cytology, utilizing animal and human tissue. Also presently utilizing digital imaging analytical methods to develop a cost-effective procedure for evaluation of pre-race horse lower limb health status.

Also presently serves as the leader of the 'Teleimaging Diagnostic and Research Network' project cluster at the School of Veterinary Medicine. Under this project, we are implementing five distinct lines of research with research grant in excess of US\$300,000.

C. PROFESSIONAL SOCIETY MEMBERSHIP:

1. American Medical Informatics Association
2. The Internet Society
3. American Veterinary Computer Association.
4. American Association of Veterinary Anatomists.
5. Society of Tropical Veterinary Medicine.
6. Artificial Intelligence Interest Group, Trinidad, W.I.

7. American Society for Plastinated Specimens.
8. Nigerian Society of Animal Production.
9. Electron Microscopy Society of America.
10. Nigerian Veterinary Medical Association.
11. British Association of Clinical Anatomists

7

D. HONORIFIC AWARDS FOR SCHOLARSHIPS

1. Federal Republic of Nigeria Scholarship Award for Undergraduate Studies at Ahmadu Bello University, Nigeria (1970-1975)
2. USAID/Nigerian Government Scholarship Award for Graduate studies in Kansas State University, Manhattan, Kansas, 1978/79
3. Electron Microscopy Society of America Presidential Scholarship Award, 1978. Awarded at The University of Toronto, Canada, in recognition for outstanding graduate student research output utilising electron microscopy techniques.
4. Wellcome Foundation Grant Award for Ultrastructural Research on lesions of dermatophilosis at Kansas State University, 1985.
5. Trinidad and Tobago Research Grant Award for regional Teleimaging Diagnostic and Research Network project, 2007.

E. TEACHING RESPONSIBILITIES

Since my first appointment as an academic staff at Ahmadu Bello University, Nigeria, in 1976, I have been involved in both undergraduate and graduate teaching of Anatomy to veterinary students. I have also single-handedly taught microscopic Anatomy to medical and dental students between 1995 and 1997, when there was a void in Human Anatomy Unit of Faculty of Medical Sciences, U.W.I. My devotion to teaching responsibilities is underscored by my adoption of innovative technologies in preparation and presentation of learning resources material. I have, since 1996, produced an electronic learning and teaching resource software dubbed "CompuHistology" which is popularly used for teaching of Microscopic Anatomy and Embryology course to undergraduate veterinary and medical students in some North American medical and veterinary institutions, as well as in my present university. This software is presently at its third incarnation (version 3.0). It is available on-line at the site www.compuhistology.com. The development of a similar software for teaching of Avian Anatomy and Diseases is currently in the pipeline. Students are readily motivated during my teaching sessions as I had always applied state-of-the-art technologies in the discharge of my teaching responsibilities. Below is the summary of my teaching experience:

8

- A: Undergraduate Curriculum (Ahmadu Bello University, Zaria)
Veterinary Histology and Cytology, (1976 - 1983)
Veterinary Gross Anatomy, (1983 - 1986).
Cell Ultrastructure, (1983 - 1984).

B: Graduate Curriculum (Ahmadu Bello University, Zaria)

Electron Microscopy and Ultrastructure, (1983 - 1986).

C: Undergraduate Curriculum, (U.W.I., St. Augustine, Trinidad)

Veterinary Gross Anatomy, (1989 to 1992).

Veterinary Histology, (1989 till present).

Systemic Embryology, (2004 till present)

Histology (Medical/Veterinary/Dentistry Curriculum), (1983 to June

1987). Served as the main Histology Instructor for entire Faculty

Anatomy Course (June 1995 to January 1997).

D: Graduate Curriculum, (U.W.I., St. Augustine, Trinidad)

Advanced Histology (2004 till present)

Currently teaches Histology, Embryology and Avian Gross Anatomy

F. ADMINISTRATIVE RESPONSIBILITIES IN U.W.I, FACULTY OF MEDICAL SCIENCES:

1. Project Director, 'Teleimaging Diagnostic and Research Network' Project cluster. Faculty of Medical Sciences, U.W.I., St. Augustine Campus. (December 2005 till present).
2. Chairman, Postgraduate and Research Committee, School of Veterinary Medicine, Faculty of Medical Sciences, U.W.I., St. Augustine Campus. (Nov. 2006 till present).
3. Chairman, Accreditation Committee, School of Veterinary Medicine, Faculty of Medical Sciences, U.W.I., St. Augustine Campus. (2007 till present).
4. Member, Management Committee, School of Veterinary Medicine, Faculty of Medical Sciences, U.W.I., St. Augustine Campus. (Nov. 2006 till present).
- 9
5. Course Coordinator and Convener, Courses VM IIA and VM IIB (Digestion & Metabolism; Cardiovascular & Renal). Faculty of Medical Sciences, U.W.I., St. Augustine Campus. (September 2003 to August 2007.)
6. Coordinator, Electron Microscopy Preparatory Laboratory. Faculty of Medical Sciences, U.W.I. St. Augustine Campus. (September, 2002 till present)
7. Chairman, Sub-committee of Academic Board, U.W.I. St. Augustine Campus on 'Methods of Assessing Computer-based Learning materials and Other Technology-based Work', 2005.
8. Faculty Representative, Campus Safety Committee, U.W.I., St. Augustine Campus. (September 2003 to August 2004.)
9. Member, Faculty Phase I Committee, Faculty of Medical Sciences, U.W.I., St. Augustine Campus. (September 2000 till present.)
10. Chairman, Education, Information Technology and Learning Resources Committee, Faculty of Medical Sciences, U.W.I., (September 1999 to June, 2000).
11. Consultant, Caribbean Biosystematics Network of BioNet-International (CARINET) intranet database system, Trinidad, W.I. (July 1999 – Dec., 2001).
12. Chairman, Y2K and Website Committee, Faculty of Medical Sciences, U.W.I., Trinidad, (September 1998 to August 1999)

13. Deputy Dean, Basic Sciences, Faculty of Medical Sciences (June,1995 to July 1997)
14. Member, Faculty sub-committee for promotion assessment, The University of the West Indies, Trinidad, W.I., 1988.
15. Member, Task Force Committee for establishment of Veterinary Services at Mount Hope Medical Complex, The University of the West Indies, Trinidad, W.I., 1988 - 1989
16. Examination Coordinator, Faculty of Medical Sciences, U.W.I., Trinidad (June,1995 to July 1997)
17. Acting Head, Department of Preclinical Sciences, Faculty of Medical Sciences, U.W.I., Trinidad, (May - August, 1996)
18. Coordinator, Medical Informatics Technology Unit, Faculty of Medical Sciences, U.W.I., Trinidad (1996 - 1997)
- 10
19. Member, Matriculation and Entrance Committee, U.W.I., Trinidad (1995 to 1997)
20. Member, Faculty Executive Committee, Faculty of Medical Sciences, U.W.I., Trinidad (1995 - 1997)
21. Chairman, Phase 1 Committee, Faculty of Medical Sciences, U.W.I., Trinidad (June,1995 to July 1997)
22. Acting Director, School of Veterinary Medicine, U.W.I. (July 1994.)
23. Faculty Representative, Computer Development Standing Committee of STAPEC, The University of the West Indies, Trinidad, W.I., 1987 - 1997.
24. Member, Organizing Committee for Faculty of Agriculture. International Conference TA2000,1994.
25. Faculty Representative. Eric Williams Medical Complex Electron Microscopy Steering Committee, Trinidad. (1994 to 1997)
26. Member, Dean's Advisory Committee on Computer Affairs, Faculty of Medical Sciences, U.W.I., 1990 -1997.
27. Chairman, Open Day Committee, Faculty of Medical Sciences Open Day (April 22, 1993).
28. Member, Committee for Promotion of Faculty of Medical Sciences, U.W.I. activities, 1990 - 1997.
29. Resource Person, Computer Assisted Learning Workshop on Educational Technology for Teachers in the Health Professions, U.W.I., Mona Campus, Jamaica, 1990.
30. Acting Head, Veterinary Preclinical Science Department, The University of the West Indies, Trinidad, W.I., November 1986 to October 1989.
31. Chairman, Faculty Promotional Committee, Faculty of Medical Sciences, U.W.I., Trinidad (1994 - 1997)

ADMINISTRATIVE RESPONSIBILITIES (COMMUNITY):

32. Chairman, Information Management and Database Committee, Caribbean Academy of Sciences (1996 - 2002)
- 11
33. Chairman, Editorial Committee. Academy of Science. (2002 – 2003).
34. Consultant, National Drug Abuse Rehabilitation (NADAPP)

Project Database Implementation System, Ministry of Social and Community Development, Republic of Trinidad and Tobago, (June 1999 to December, 2000)

35. Consultant, Inter-American Institute for Cooperation on Agriculture (IICA), Trinidad Office, for Office Management Database System (Nov. 1994 to January 1995)

36. Chief Consultant/Programmer, Polysoft Technology LTD., Trinidad, W.I. (1994 -2002)

37. Resource person on Computer Software Project Management, CARDI, U.W.I.

38. Resource person, Agricultural Research and Extension Project Management Workshop, St. Vincent. February 12 - 13, 1992.

39. Coordinator, Campus Computer Club, Faculty of Medical Sciences, U.W.I., St. Augustine Campus, Trinidad, W.I., 1989.

ADMINISTRATIVE RESPONSIBILITIES (FORMER INSTITUTION):

40. Head, Gross Anatomy Section, Department of Veterinary Anatomy, A.B.U., Zaria, 1984 -1986.

41. Member, International Atomic Energy Committee, A.B.U., Zaria, 1985 - 1986.

42. Member, Advisory Committee, Student Veterinarian, A.B.U., Zaria, 1984 - 1986.

43. Member, Editorial Board, Zaria Veterinarian, 1983 - 1986.

44. Member, M.Sc. Radiation Biophysics Planning Committee, Nuclear Research Institute, A.B.U., Zaria, 1982 - 1986.

45. Departmental Library Officer, Department of Veterinary Anatomy, Faculty of Veterinary Anatomy, Faculty of Veterinary Medicine, A.B.U., Zaria, 1982 - 1985.

46. Member, Clinic Groups Co-ordinating Committee, Faculty of Veterinary Anatomy, Faculty of Veterinary Medicine, A.B.U., Zaria, 1982 - 1985.

12

47. Member, Newsletter/Journal Committee, Faculty of Veterinary Medicine, A.B.U., Zaria, 1982 - 1985.

48. Member, Dean/Student Advisory Committee, Faculty of Veterinary Medicine, A.B.U., Zaria, 1982 - 1985.

49. Co-ordinator, Transmission Electron Microscopy Diagnostic Laboratory, Faculty of Veterinary Medicine, A.B.U., Zaria, 1981 - 1986.

50. Class Advisor (DVM Part 1), A.B.U., Zaria, 1981 - 1983.

51. Rapporteur, Scientific Session of 18th Annual Conference of Nigerian Veterinary Association, Ibadan, August 1981.

52. Member of Computer Advisory Committee, A.B.U., Zaria, 1981 - 1983.

53. Member, Faculty Committee on 1st National Agricultural Show, A.B.U. Zaria, 1981.

54. Faculty Examination Officer, Faculty of Veterinary Medicine, A.B.U. Zaria, 1980/1981 session.

55. Member, Faculty Library Committee, Faculty of Veterinary Medicine, A.B.U. Zaria, Nigeria, 1989 - 1980.

G. PUBLICATIONS

ABSTRACTS:

1. Isitor, G.N. Application of digital imaging and texture analytical techniques in evaluation of radiographs and nuclear chromatin patterns of cells. Book of Abstracts. Second Biennial Conference and Workshop. Faculty of Medical Sciences, University of the West Indies, St. Augustine Campus, Trinidad, 57, October, 2004.
 2. Isitor, G.N. and Parsan, N. Biological image digitalization and texture analysis. West Indian Medical Journal, vol. 52: 22-23, 2003.
 3. Parsan, N and Isitor, G.N. Texture analysis of digitalized images of radiographs from normal and coxofemoral articulations and femoral shafts of dogs. Book of Abstracts, 11th Annual meeting, Caribbean Academy of Sciences, LA Habana, Cuba, April 21-24, 2000.
- 13
4. Isitor, G.N. The compact disc as an ideal medium for quality educational contents: The CompuHistology experience. Book of Abstracts, The University of the West Indies Conference on Educational Technology, March 25-26, 1999, p.8.
 5. Isitor, G.N. and Brathwaite, B.A. The role of computer touchscreen kiosk system in interactive educational content delivery. Book of Abstracts, The University of the West Indies Conference on Educational Technology, March 25-26, 1999, p.16.
 6. Isitor, G.N. The application of microscopic anatomical datasets in the development of a medical learning resource computer program. Proceedings of the Annual Meeting of the American Association of Veterinary Anatomists, Blacksburg, Virginia, July, 1998, p.17.
 7. Isitor, G.N. and Parsan, N. Texture analysis of digitalized microscopic anatomical images from normal tissues. Book of Abstracts, Caribbean Academy of Sciences, 9th Annual General and Scientific Meeting, Guadeloupe, May 1998, p.34.
 8. Isitor, G.N. The application of microscopic anatomical datasets in the development of a medical learning resource computer program. Book of Abstracts, Caribbean Academy of Sciences, 9th Annual General and Scientific Meeting, Guadeloupe, May 1998, p.33.
 9. Isitor, G.N. The creation of microscopic anatomy digital image dataset from human and animal sources. Book of Abstracts, Caribbean Academy of Sciences, 8th Annual General and Scientific Meeting, Barbados, April 1997, p.41.
 10. Isitor, G.N. Prospects of application of digital imaging techniques in evaluation of microanatomical specimens. Book of Abstracts, Caribbean Academy of Sciences, Annual General and Scientific Meeting, Tobago, April 1996.
 11. Cazabon, E.P.I., Adogwa, A.O., Bridgewater, E., and Isitor,

G.N. A case of cephalothoracopagus in sheep in Trinidad and Tobago, West Indies. Book of Abstracts, Caribbean Academy of Sciences, Annual General and Scientific Meeting, St. Lucia, April 1995.

14

12. Isitor, G.N. The role of information management in an effective health reform programme. Book of Abstracts, Symposium on Health Reform in Trinidad and Tobago: Concerns and Possibilities. U.W.I. Trinidad, May 20-21, 1995.

13. Isitor, G.N. and Phillips, W. Agricultural project database management systems: The CARDI and IICA experience. Book of Abstracts, Symposium on Advances in Tropical Agriculture in the 20th century and prospects for the 21st. U.W.I Trinidad, Sept. 4-9, 1994.

14. Isitor, G.N., Njoku, C.O. and Adogwa, A.O. Study of efficacy of Lamstreptocide A and B on cases of dermatophilosis within the Caribbean. Book of Abstracts, 2nd Biennial Society of Tropical Veterinary Medicine, Feb. 2-6, 1993, p. 29.

15. Isitor, G.N. The management of institutional research projects with the aid of relational database management systems. Book of Abstracts, Caribbean Academy of Sciences, Annual General and Scientific Meeting, U.W.I, Trinidad, April 1993.

16. Isitor, G.N. The enhancement of Veterinary Practice through computerisation. Book of Abstracts, The XXIII Biennial Veterinary Congress and International Workshop, Kingston, Jamaica, November 1992.

17. The design and application of a computer-assisted diagnosis and practice management in veterinary science. Book of Abstracts. First Caribbean Conference and Exhibition on Artificial Intelligence, U.W.I., Trinidad, W.I., 1989, p. 20.

18. Isitor, G.N. and Gbolangunte, G. Fine structural features of dermatophilosis infected bovine hides, and their implications in quality leather manufacture. Program, American Association of Veterinary Anatomists, July 6-18, 1987, p. 7.

19. Obasi, O.E. and Isitor, G.N. Granuloma multiforme: A case report with ultrastructural observation from Kaduna, Nigeria. Book of Abstracts, 3rd Pan African Congress of Dermatology, Lagos, Nigeria, p. 36, 1986.

20. Obasi, O.E. and Isitor, G.N. Epidermal naevus syndrome: A case report with ultrastructural observation from Kaduna, Nigeria. Book of Abstracts, 3rd Pan African Congress of Dermatology, Lagos, Nigeria, p. 35, 1986.

15

21. Kazeem, H.M., Isitor, G.N. and Adegboye, D.S. Presence of circulating antibody to *Dermatophilus congolensis* in a herd of N'Dama and Keteku breeds located in Kwara

State. Proc. 2nd National Workshop on Dermatophilosis Control, Vol. 10, 1986.

22. Isitor, G.N., Kazeem, H.M. and Adegboye, D.S. *Dermatophilus congolensis* in lesions of natural cases of ovine contagious ecthyma. Proc. 2nd National Workshop on Dermatophilosis Control, Vol. 5, 1986.

23. Isitor, G.N., Kazeem, H.M., Adegboye, D.S., Dellmann, H.D. and Njoku, C.O. Frequency of involvement of pox virions in lesions of bovine dermatophilosis. Proc. 2nd National Workshop on Dermatophilosis. Proc. end National Workshop on Dermatophilosis Control, Vol. 2, 1986.

24. Kazeem, H.M., Isitor, G.N., Adegboye, D.S. and Kparevzua, R.K. An unusually severe outbreak of dermatophilosis in a herd of Santa Gertrudi Cattle imported into Nigeria. Program of 22nd Annual Conference, Nigerian Vet. Med. Assoc., pp. 16-17, 1985.

25. Isitor, G.N., Dellmann, H.D., Adegboye, D.S., Ezeokoli, C.D. and Chineme, C.N. Ultrastructural evidence for involvement of pox virions in lesions of bovine dermatophilosis. Proc. National Conference on Diseases of Ruminants, Vol. 368, 1984.

26. Isitor, G.N. Mode of secretion and obliteration of lipid vacuoles in canine hepatoid circumanal glands. Anat. Histol. Embryol RHC 10: 90, 1981.

27. Isitor, G.N. Ultrastructural study of normal and neoplastic cells of canine hepatoid circumanal glands. Dissertation Abstracts International, 43: 7, 1983.

28. Isitor, G.N. and Weinman, D.E. Origin and early development of canine circumanal gland. Zentralblatt fur Veterinarmedizin, 7: 352, 1978.

29. Isitor, G.N. Scanning electron microscopy evaluation of the development of canine circumanal gland. Electron Microscopy II: 691, 1978.

H. OTHER

Computer Programming and Interactive Computer-based Applications:

16

Capable of programming in 3rd and 4th Generation Languages, including, Turbo Pascal for DOS & Windows, SQL, R:Base, Paradox Object PAL, Vbscript, Javascript, Java applets and servlets, ActiveX and component based technologies.

Special expertise in **Inprise Delphi** programming language.

Expertise in development of client-server applications, construction and maintenance of dynamic web sites, management of internetworks, using Windows NT and Linux platforms, Microsoft Internet Information Server, ActiveX Server Pages, Object Pascal Objects, and Inprise Web Broker components. Also expertise in production of interactive kiosk computer touchscreen-based learning systems.

Computer Learning Resources Programs completed or being developed include:

1. **CompuHistology** : Copyright No. Txu833-634, 1997.

Published by Polysoft Technology LTD, and jointly promoted worldwide with The University of the West Indies. Reviewed by Profs. H.D. Dellman and J.T. Bell. An interactive Windows CDbased histology image and text learning resource, containing over 1000 high quality animal and human histological images. Also equipped with multiple choice and true and false histology self quiz data bank, and highlight movies. Program is earmarked for veterinary, medical and dental students and professionals. Note that this package has now been completely revised and expanded to include [DVD movies](#) and [version 2 of the software in CD](#). It was recently presented to The U.W.I St. Augustine Campus Principal, Dr. Bhoie Tiwarie, and a team of IT experts.

Other Software already developed include:

4. Office Manager Pro

Copyright No. TXU 817-435, 1997.

A Windows database management system software for small/medium scale offices, including departmental offices of large corporations. In use by our faculty for Office Administration purposes.

5. Lecture Slides

Copyright No. TXU 401-977

DOS based screen lecture slide producing software. Used previously as a teaching aid.

6. Vet Diagnostic-1

Copyright Nos. TXU 339-910; TXU 401-983

DOS based Veterinary diagnostic/practice package.

Previously used to assist veterinary learning programme.

17

7. School System School administration package. Used for recording students examination scores while I was the Deputy Dean.

I. INVITATIONS TO PRESENT AT DISTINGUISHED ACADEMIC MEETINGS

1. "Keratolytic Properties of *Dermatophilus congolensis* and Synergistic relationships". Invited Speaker at World Bank Sponsored Conference on Recent Advances on Dermatophilosis Research. National Veterinary Research Institute, Vom, Nigeria, November, 1991. Also served as a Chairman for the main session.

2. "The enhancement of Veterinary Practice through computerisation". Invited Speaker at the XXIII Biennial Veterinary Congress and International Workshop, Kingston, Jamaica, November 1992

3. "The role of information management in an effective health reform programme." Invited Speaker at the Symposium on Health Reform in Trinidad and Tobago: Concerns and Possibilities. U.W.I. Trinidad, May 20-21, 1995.

4. "Electron Microscopy in Trinidad and Tobago." Invited Speaker at Nephrology Seminar and Workshop. U.W.I. Trinidad, September 30-October 2, 2005.

5. Nuclear subdomains in avian erythrocytes and mammalian lymphocytes: Visualization by digital imaging

segmentation technique and fluorescence microscopy. “
Presented at British Association of Clinical Anatomists
Winter Scientific Meeting, December, 2005.

6. Relevance of nucleic acid distribution pattern in diagnostic
cytology: Studies by fluorescence microscopy and digital
imaging analytical technique. Presented at British
Association of Clinical Anatomists Summer Scientific
Meeting, July, 2006.

7. A new digitally-aided radiographic technique for
evaluation of pre-race equine metacarpophalangeal
articulation health status: A preliminary investigation.
Presented at the Fourth Pan Commonwealth Veterinary
Conference in Barbados, November 4th to 8th, 2007.

18

J. INVITATIONS TO SERVE ON NATIONAL/REGIONAL/INTERNATIONAL PUBLIC AND SCHOLARLY BODIES

Chairman, Database Committee. Caribbean Academy of
Sciences. 1996 - 2004.

K. FUNDING ATTRACTED FOR RESEARCH AND STUDIES

1. Research Award under Nationally coordinated
dermatophilosis research project, funded by World Bank to
Nigeria, 1982 to 1985. Valued at US\$10,000 approx.

2. Wellcome Nigeria Fund Research Award for 1 month
ultrastructural research project on dermatophilosis at
Kansas State University, Manhattan, Kansas, U.S.A.
1986. Valued at US\$8000 approx.

3. Staff Training Award under UWI/IDB Development
Programme for 1 month refresh program at Electron
Microscopy Laboratory of Iowa State University, Ames,
Iowa, USA, 1995. Valued at US\$4,324.

4. U.W.I. Campus Research Grant Awards, valued at
approximately TT\$45,000 since 1991 to date.

5. Teleimaging Caribbean regional diagnostic and research
network. Grant in the sum of US\$300,000. (Currently
being raised)

L. GRADUATE STUDENTS SUPERVISED

1. Member, Supervisory Committee for Dr. E.I. Amber's Ph.D.
Degree Programme on Transmissible Venereal Tumours in
Dogs, A.B.U., Nigeria, 1984 - 1986.

2. Major supervisor for Dr. Ogunkoya's M.S. Degree Programme
on Canine Circumanal Glands, A.B.U., Nigeria, 1985 - 1986.

3. Member, Supervisory Committee for Dr. F.A.G. Lawani's
Degree Programme on Dermatophilosis Research, A.B.U.,
Nigeria, 1985 - 1986.

4. Internal Examiner for Mr. Param Deorag's M.Phil. Degree.
Department of Zoology. The University of the West Indies, St.
Augustine, Trinidad, W.I., 1987.

19

5. Major Supervisor for Dr. Ravi Maharaj's M.Phil. degree
Program on Vitiligo in human cases. School of Basic
Sciences, Faculty of Medical Sciences, The University of the

- West Indies, St. Augustine, Trinidad, W.I., 1995 to 1997.
6. Major Supervisor for Dr. Tony Sonny's M.Phil. Degree Program on Vitiligo lesions in human cases. School of Basic Sciences, Faculty of Medical Sciences, The University of the West Indies, St. Augustine, Trinidad, W.I., 1995 to 1997.
 7. Member, Supervisory Committee for Dr. Cazabon's M. Phil. Degree Program on Dermatophilosis. School of Veterinary Medicine, Faculty of Medical Sciences, The University of the West Indies, St. Augustine, Trinidad, W.I., 1996 - 1997.
 8. Major Supervisor for Dr. Neil Parsan's M.Sc. project on "Texture analysis of digitalized images of radiographs from normal and coxofemoral articulations and femoral shafts of dogs". 1997 to 2002.
 9. Member, Supervisory Committee for Dr. Aweda Newaj-Fyzul Ph.D project. 2004 to 2007.
 10. Major Supervisor for Dr. Kristal Pouching M. Phil. project on 'Comparative cytological studies of normal and diseased tissue (prevalent local cases) in domesticated mammals and birds. 2006 till present.
 11. Major Supervisor for Dr. Glenn Ramardasingh's M. phil. project on 'Studies on factors affecting ossification pattern of equine metacarpophalangeal articulation.'. 2006 till present.

M. PROGRAMME DEVELOPMENT

As the oldest member of staff (by appointment) in the School of Veterinary Medicine, University of the West Indies, St. Augustine Campus, I was part of the team of pioneers who mapped-out the overall undergraduate programme for the entire faculty, and in particular, the existing programme for the School of Veterinary Medicine. Upon assumption of duties at The University of the West Indies, in November 1986, the prospects for programme of activities at the Faculty of Medical Sciences were then gloomy. The initial crop of a few existing staff, of which I was part-of, prepared a cost-effective plan for mounting the academic program for the entire faculty. This plan was sold to the then Government in place.

20

As the Deputy Dean of the Faculty of medical Sciences, U.W.I, from 1995 to 1997, I presided over several meetings which addressed the issue of overhaul of the faculty curricula and regulations in respect of undergraduate and graduate training programme.

N. MISCELLANEOUS

PAPERS PRESENTED AT INTERNATIONAL/NATIONAL CONFERENCES:

"Nucleic acid distribution pattern in diagnostic cytology: Studies by fluorescence microscopy and digital imaging technique."

Presented at British Association of Clinical Anatomists Summer Scientific Meeting, July, 2006.

" Nuclear subdomains in avian erythrocytes and mammalian lymphocytes: Visualization by digital imaging segmentation technique and fluorescence microscopy." Presented at British Association of Clinical Anatomists Winter Scientific Meeting,

December, 2005.

" The application of microscopic anatomical datasets in the development of a medical learning resource computer program. Presented at the Annual Meeting of American Association of Veterinary Anatomists, Blacksburg, Virginia, July 22-24, 1998.

" The creation of microscopic anatomy digital image dataset from human and animal sources." Presented at the Caribbean Academy of Sciences, Annual General and Scientific Meeting, Barbados, April 23-25, 1997.

"Prospects of application of digital imaging techniques in evaluation of microanatomical specimens." Presented at the Caribbean Academy of Sciences, Annual General and Scientific Meeting, Tobago, April 1996.

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"Agricultural Project Database Management System: The CARDI and IICA Model". Presented at TA2000 International Conference, Trinidad, September 4-10, 1994

"Study of efficacy of Lamstreptocide A & B on cases of dermatophilosis within the Caribbean". Presented at 2nd Biennial Meeting of the American Society of Tropical Veterinary Medicine, Guadeloupe, French West Indies, February 1993.

"Study of efficacy of Lamstreptocide A & b on cases of dermatophilosis as than the Caribbean".. Presented at the XXVII Biennial Veterinary Congress and International Workshop, Kingston, Jamaica, November 1992.

21

"Keratolytic Properties of *Dermatophilus congolensis* and synergistic relationships". Presented at 2nd International Symposium on Dermatophilosis. National Veterinary Research Institute, Vom, Nigeria, Nov. 4-9, 1991.

"The design and application of a computer-assisted diagnosis and practice management in veterinary science. Presented at First Caribbean Conference and Exhibition on Artificial Intelligence, U.W.I., Trinidad, W.I., December 4-5, 1989.

"Fine structural features of dermatophilosis-infected bovine hides and their implications in quality leather manufacture". Presented in summer meeting and scientific session, American Association of Veterinary Anatomists, July 16-18, 1987.

"Granuloma multiforme: A case report with ultrastructural observations from Kaduna, Nigeria". Presented by Obasi and Isitor at 3rd Pan African Congress of Dermatology, Lagos, Nigeria, February 1986.

"Epidermal Naevus syndrome: A case report with ultrastructural observations from Kaduna, Nigeria". Presented by Obasi and Isitor at 3rd Pan African Congress of Dermatology, Lagos, Nigeria, February 1986.

"An unusually severe outbreak of dermatophilosis in a herd of Santa Gertrudi cattle imported into Nigeria". 22nd Annual Conference of Nigeria Veterinary Medical Association. Nigerian Veterinary Research Institute, Vom, October 1985.

"Ultrastructural characteristics of *Dermatophilus congolensis*: An

in
vitro
and in
vivo

studies". National Conference on Diseases of Ruminant, Vom, October 1984.

"Ultrastructural evidence for involvement of pox virions in lesions of bovine dermatitis". National Conference on Diseases of Ruminant, Vom, October 1984.

"Bovine dermatitis associated with Gram-negative bacteria and microfilaria". National Conference on Diseases of Ruminant, Vol. October 1984.

"The keratinized layer as an ideal layer for TEM localization of micro organisms in bovine dermatitis". 42nd Annual Conference of Electron Microscopy Society of America, Detroit, U.S.A., August 1984.

"Comparative ultrastructural study of normal, adenomatous, carcinomatous gland". 18th Annual Conference of Nigerian
22

Veterinary Medical Association. University of Ibadan, Nigeria, 23-27 September, 1980.

"Cellular mode of obliteration of lipid vacuoles". 7th European Congress on Electron Microscopy. The Hague, the Netherlands, August 1980.

"Scanning electron microscopy evaluation of the development of canine circumanal glands". 9th International Congress on Electron Microscopy, Toronto, Canada.

"Origin and early development of canine circumanal glands". Presented at American Association of Veterinary Anatomists Conference. Texas, U.S.A., July 1978.

SEMINARS/WORKSHOPS PRESENTED:

"Medical Video Conferencing". First Biennial Conference on Health Sciences in the Caribbean. Faculty of Medical Sciences, U.W.I., St. Augustine Campus. January 12, 2001.

"On-line Medical Content Delivery and Registration Services". First Biennial Conference on Health Sciences in the Caribbean. Faculty of Medical Sciences, U.W.I., St. Augustine Campus. January 12, 2001.

"Internetworks, Communications and Imaging Techniques". First Biennial Conference on Health Sciences in the Caribbean. Faculty of Medical Sciences, U.W.I., St. Augustine Campus. January 12, 2001.

"Internet Technology and Basic Sciences Research Project Management". UNESCO Sponsored CARISCIENCE Workshop. September 20-23, 1999.

"The world wide web and Windows 95." Faculty of Medical Sciences Library, U.W.I. Trinidad. December 14, 1995.

"Study of efficacy of lamstreptocide A & B on cases of dermatophilosis in the Caribbean". School of Veterinary Medicine Seminar, May 05, 1993.

"Computerised data handling for clinical laboratory", Medical

Path/Microbiology, Seminar, March 31, 1993.

"A dedicated computer laboratory program; Polysoft Series".
Presented at Department of Medical Pathology/Microbiology
Seminar, U.W.I., January 23, 1991.

"Veterinary computer-assisted diagnosis and management".
Presented at University of the West Indies, December 13, 1988.

23

"Dermatophilosis: An appraisal of attendant consequences".
Presented at University of the West Indies, June 6, 1987.

"Avian encephalomyelitis: A clinico-pathological and
ultrastructural study of outbreaks in Kaduna State of Nigeria",
Faculty of Veterinary Medicine, Ahmadu Bello University, Zaria,
Nigeria, March 1987.

"Transmission electron microscopy study of lesions of Goat Kata
and bovine dermatitis associated with nematode and Gram
negative bacteria", Faculty of Veterinary Medicine, Ahmadu Bello
University, Zaria, January 4, 1984.

"Transmission electron microscopy study of lesions of bovine
dermatophilosis", Faculty of Veterinary Medicine, Ahmadu Bello
University, Zaria, December 23, 1983.

"Ultrastructural study of normal and neoplastic cells of hepatoid
circumanal glands", Faculty of Veterinary Medicine, Ahmadu Bello
University, Zaria, March 1980.

"Origin and early development of canine circumanal glands",
Department of Anatomy and Physiology, K.S.U., Manhattan,
U.S.A., Fall Semester 1977.

"A literature review on origin and early development of Anatomy
and Physiology", K.S.U., Manhattan, U.S.A., Spring Semester
1977.

"Spina bifida and spinal cord dysraphia in domestic animals",
Department of Pathology, K.S.U., Manhattan, U.S.A., Spring
September 1977.