

## ACADEMIC PORTFOLIO: VICTOR J. TEMPLE

The information contained in my current academic portfolio covers only the recent contracts and my current contract with the SMHS UPNG. My complete academic profile is presented in my updated Curriculum Vitae, which is attached to this document.

**Name: Victor Jonathan TEMPLE, M. Sc., Ph. D., C. Biol., MRSB (M. I. Biol.), ASN**

**Telephone:** +675-72188560; +675-76858324  
**Email:** [templevictor@gmail.com](mailto:templevictor@gmail.com); [templevj@upng.ac.pg](mailto:templevj@upng.ac.pg),  
**Web Site:** [www.victorjtemple.com](http://www.victorjtemple.com).

### TEACHING PORTFOLIO:

#### Formal Teaching allocations:

##### 1. MBBS Curriculum – Problem Based Learning (PBL):

- Biochemistry Lectures/Seminars and Practical classes to 2<sup>nd</sup> & 3<sup>rd</sup> Yrs;
- Biochemistry & Clinical Biochemistry Lectures/Seminars to 4<sup>th</sup> & 5<sup>th</sup> Yrs
- Facilitator for 2<sup>nd</sup> year PBL tutorial groups.
- Coordinates and supervised 2<sup>nd</sup> yr MBBS remedial tasks – Directed Own Learning Task (DOLT).
- Supervised 3<sup>rd</sup> yr MBBS remedial tasks in Clinical Biochemistry – DOLT.
- Supervised 4<sup>th</sup> & 5<sup>th</sup> yrs MBBS Clinical Biochemistry remedial DOLT and remedial Case Oriented Learning Task (COLT).

Contact hours per week for MBBS Lectures/Seminars can vary from 4 to 6 hours;  
 Contact hours per week for PBL Tutorial: 6 hours.  
 Contact hours per week for DOLT: 2 – 4 hours (depending on the number of students).  
 Contact hours per week for COLT: 2 hours (when required);

##### 2. Traditional (Didactic) curriculum in Health Sciences & Dentistry Divisions:

- Biochemistry & Clinical Biochemistry lectures and practical classes to 2<sup>nd</sup> & 3<sup>rd</sup> Years Bachelor in Medical Laboratory Sciences (BMLS) students;
- Biochemistry lectures & practical classes: 2<sup>nd</sup> Yr Bachelor in Pharmacy students;
- Biochemistry & Clinical Biochemistry lectures and practical classes to 2<sup>nd</sup> & 4<sup>th</sup> Years Bachelor of Dental Surgery (BOH / BDS) students;
- Supervision of Clinical Biochemistry research projects for 4<sup>th</sup> Yr (final year) BMLS students;
- Supervision of research projects for 5<sup>th</sup> Yr (final year) B. Pham students;
- Lectures in Nutrition to Bachelor of Nursing Students;

Contact hours per week for 2<sup>nd</sup> year B. Pham, BDS & BMLS students: 6 hours  
 Contact hours per week for 3<sup>rd</sup> year BMLS students: 8 hours  
 Contact hours per week for 4<sup>th</sup> year BDS students: 6 hours

##### 3. Postgraduate Medical & Health Sciences Students in the Master of Medicine (M. Med degree and M. Med. Sc degree) program:

- Clinical Biochemistry lectures and Seminars to post-graduate medical students for the award of the Master of Medicine degree (M. Med);
- Biochemistry and Molecular Biology lectures and seminars to post-graduate students for the award of the Master of Medical Science degree (M. Med Sc);
- Supervision of research projects of post-graduate students for the award of the M. Med Sc;

##### 4. Supervision of Students Research Projects (Recent only):

- From 2010 to 2018:
  - Successfully supervised 45 Bachelor of Medical Lab Sciences (BMLS) student research projects. Contact hrs per student/week (minimum) = 5hrs.
  - Successfully co-supervised three B. Med. Sci. student projects: Contact hours per student per week (minimum) = 3 hrs.

- ❑ Successfully supervised Five B. Pham student projects: 5<sup>th</sup> Year students: Contact hours per student per week (minimum) = 4 hrs.
  - ❑ Successfully supervised and co-supervised 2 BDS students: 4 contact hours per week (minimum).
- ❑ Currently (2019) supervising Clinical Biochemistry major research projects of Six BMLS and One BDS students. Contact hours per student / week = 4hrs.

5. **Development of course, Subject and Teaching Materials:**

- ❑ Played a significant role in developing the Biochemistry "Roadmap" used in the new PBL MBBS curriculum. This is a detailed guide for the implementation of the PBL curriculum, 'mapping out' the Biochemical aspects in all the Medical Patient and Community (P & C) Problems in the new MBBS curriculum.
- ❑ Developed several Biochemistry and Clinical Biochemistry Learning Issues required for 2<sup>nd</sup>, 3<sup>rd</sup>, 4<sup>th</sup> and 5<sup>th</sup> MBBS P & C Problems.
- ❑ Conduct update of some of the Learning Issues used in P & C Problems.
- ❑ Developed appropriate Biochemistry and Clinical Biochemistry teaching materials and handouts for all lectures/seminars delivered to MBBS students at all level.
- ❑ Developed and regularly improving question bank in Biochemistry and Clinical Biochemistry for medical students.
- ❑ Developed several Biochemistry and Clinical Biochemistry assignments for remedial COLT and DOLT.
- ❑ Played significant role in developing Biochemistry course description for 2<sup>nd</sup> Year DMLT, B. Pham, DPT, BDS & BMLS students under Trimester system.
- ❑ Played significant role in developing Clinical Biochemistry course description for 3<sup>rd</sup> Year DMLT and BMLS students under the Trimester system.
- ❑ Played significant role in developing Biochemistry course description for 2<sup>nd</sup> Year B. Pham, BOH/BDS and BMLS student in the Semester system
- ❑ Played significant role in developing Clinical Biochemistry course description for 3<sup>rd</sup> Year BMLS students in the Semester system.
- ❑ Developed appropriate teaching materials and handouts for 2<sup>nd</sup> yr B. Pham, BOH / BDS and BMLS and for 3<sup>rd</sup> yr BMLS students for the Semester system.
- ❑ Developed appropriate Biochemistry & Clinical Biochemistry teaching materials and handouts for Postgraduate, M. Med Part I students.
- ❑ Developed appropriate Biochemistry and Clinical Biochemistry teaching materials for 4<sup>th</sup> year BDS & BMLS students for the Semester system.
- ❑ Participated in the development of the Bachelor of Nursing academic program.

6. **Marking and Assessment:**

- ❑ Involved in setting up, marking and assessment of all Biochemistry and Clinical Biochemistry examinations for 2<sup>nd</sup>, 3<sup>rd</sup>, 4<sup>th</sup> and 5<sup>th</sup> Year MBBS students.
- ❑ As Chairman of 2<sup>nd</sup> Year MBBS committee, involved in approval of grades for 2<sup>nd</sup> year MBBS
- ❑ As member of Undergraduate Medical Education Committee (UMEC), involved in approval of grades for all MBBS students.
- ❑ Involved in setting up, marking and assessment of all Biochemistry examinations for 2<sup>nd</sup> year BMLS, BOH/BDS & B. Pham students.
- ❑ Involved in setting up, marking and assessment of all Clinical Biochemistry examinations for 3<sup>rd</sup> year BMLS students.
- ❑ Involved in setting up, marking and assessment of Biochemistry and Clinical Biochemistry examinations for 4<sup>th</sup> Year BDS students.
- ❑ Involved in reviewing all Biochemistry exam questions for MBBS students.
- ❑ Involved in marking and assessment of Biochemistry questions for Postgraduate, M. Med Part I.
- ❑ As member of SMHS standing committee, involved in planning and implementation of academic programs, and also approval of grades.
- ❑ As member of the University Examination Board (UEB), involved in reviewing and approval of grades for all students in UPNG.

7. **Results of recent formal student evaluation of teachings:**

Students have in the recent years formally evaluated my teaching during the student evaluation of lecturer teaching performance in SMHS, conducted by the UPNG Centre for Human Resource Development (CHRD). Copies of the report can be obtained from the Director CHRD UPNG. Copies of the reports of the student evaluation of my teaching performance were sent to me by the Director of CHRD. Under the heading Weaknesses: The report did not identify any weakness in my teaching performance. Under the heading

Strength: The report noted several positive comments by students. Original copies of that reports can be obtained from the Director CHRDP UPNG.

8. **Development of teaching activity by attending staff development courses in teaching and research:**

- Designing and conducting research: Workshop in SMHS UPNG
- Within the timeframe of my contract I have attended and participated in several workshops on the MBBS – PBL curriculum organized by Australian Aid (AusAID) in the SMHS
- Attended TL & IHTC short courses in Managing a Teaching Portfolio
- Attended TL & IHTC short courses in Power Point Presentations
- Attended and participated in TL & IHTC Workshop in SMHS: TL & IHTC workshop on Transition Committee Implementation Program.
- Attended the International Training Workshop on Micronutrient Survey sponsored by UNICEF, Centers for Disease Control and Prevention (CDC), Atlanta Georgia USA, NDOH & SMHS: Port Moresby, SMHS UPNG.
- Attended and participate in the HINARI workshop for staff in SMHS.

**RESEARCH PORTFOLIO:**

1. **Some research activities completed (January 2007 to date):**

- Dietary intake assessment of Persons Living with HIV/AIDS attending Heduru clinic in PMGH: A 24-Hour recall study.
- Prevalence of self-medication among students in UPNG during the 2005 academic year.
- Assessing Thiamine (Vitamin B-1) status in children in selected boarding schools in Central Province, PNG. A joint project with NDOH and Discipline of Clinical Sciences (Funded by WHO).
- Assessment of Iodine Nutritional Status of School Children (6–12yrs) Honiara, Solomon Islands
- Using the Levy Jennings Chart to Assess the Quality Control Results Obtained in April, June and July (2007) in the Biochemistry Laboratory in Port Moresby General Hospital.
- Assessment of Validity of Some Blood Parameters in Samples Submitted for Routine Analysis to Clinical Biochemistry Laboratory in Port Moresby General Hospital: A Prospective Study in 2007
- Retrospective Assessment of Data for Metabolic and Respiratory Acid-Base Disorders in Patients Attending PMGH from 2005 – 2006
- Retrospective Assessment of Data for Lipid Profile Tests of Patients Attending Port Moresby General Hospital in 2006.
- Retrospective Study of Data for Cardiac Markers of Patients Attending Nonga Base Hospital (2004 – 2006) East New Britain Province
- Retrospective Study of Data for Serum Amylase Activities in Patients with Acute Pancreatitis Treated at PMGH (2005 – 2006)
- Assessment of Vitamin A (Plasma Retinol) status of children, age 6 to 59 months attending paediatric clinic in PMGH: Joint project with Department of Child Health PMGH {Funded by Office of Higher Education Research and Technology (OHE) PNG}
- Assessment of Vitamin A (Plasma Retinol) status of non-pregnant women resident in NCD, PNG {Funded by: OHE PNG}
- Assessment of the nutritional status (using Anthro 2005) of children, age 6 to 59months resident in NCD, PNG {Funded by: OHE PNG, WHO and UNICEF}
- Using a modified Morisky Scale to assess the Adherence to Highly Active Antiretroviral Therapy (HAART) by HIV positive patients attending Heduru Clinic in PMGH: How significant is the role of Nutrition?
- Prevalence of Microalbuminuria in Diabetic and Hypertensive Patients Attending Clinics in Port Moresby General Hospital. Joint project with Department of Medicine PMGH.
- Iodine nutritional status of School-age Children in Menyamy District, Morobe Province Papua New Guinea (Funded by OHE PNG)
- Assessment of Thyroid Function in Cord Blood (Funded by OHE PNG)
- Pseudo-cholinesterase activity in apparently healthy individuals in NCD, PNG.
- Assessment of the Dibucaine Numbers of Pseudo-cholinesterase in health individuals in National Capital District, Papua New Guinea
- Using Glycosylated Haemoglobin (HbA1c) to assess Glycemic control in diabetic patients in Port Moresby General Hospital. (Funded by OHE PNG)
- Retrospective assessment of the prevalence of Neonatal jaundice in Port Moresby General Hospital: From January 2007 to December 2008
- Prevalence of Neonatal jaundice in PMGH (Funded by SMHS)
- Using HPLC to assess quality of Artemisinin medicines sold in NCD (Funded by SMHS research grant)

- ❑ Monitoring the quality of iodized salt sold in retail shops in NCD: Iodine Research Project.
- ❑ Prevalence of atypical Pseudocholinesterase among individuals in NCD.
- ❑ Assessment of thyroid function and iodine nutritional status of pregnant women attending antenatal clinic in PMGH” (Funded by OHE PNG).
- ❑ Prevalence of Diabetes Mellitus and Glycemic Control among diabetic patients at Kavieng General Hospitals during 2009: A Retrospective study
- ❑ Identified Specific Short Tandem Repeats (STR) in DNA of individuals in NCD.
- ❑ Gene bank project phase 1: Genetic fingerprinting using STR.
- ❑ Assessment of academic stress on cortisol level in saliva of students in UPNG;
- ❑ Assessment of Aflatoxin B-1 in foodstuffs in PNG;
- ❑ Assessment of Aflatoxin M-1 in breast milk of lactating mothers in NCD.
- ❑ Monitoring the quality of Antibiotics and Anti-malaria drugs sold in PNG.
- ❑ Iodine nutritional status among Children (Age 6–12 yrs) in EHP.
- ❑ Assessment of Helicobacter Pylori in Saliva of Dental Patients in PMGH.
- ❑ Assessment of Hepatitis C virus (HCV) IgM in blood of some patients in PMGH.
- ❑ Assessment of impact of Universal Salt Iodization strategy in Lufa District EHP.
- ❑ Status of iodine nutrition among children (6 – 12 yrs) in Numbo Local Level Government- Kubalia district, East Sepik Province (ESP), PNG
- ❑ Using Enzyme-Immuno-Assay for the assessment of Hepatitis C virus (HCV) IgM in the blood of patients with liver disease in PMGH.
- ❑ Assessment of zinc status in children age 12 to 59 months in the NCD, PNG.
- ❑ Assessment of zinc status of Women in NCD, PNG.
- ❑ Using Cord Blood to assess Thyroid Status in Neonates in Manus Province and NCD (Funded by OHE research grant)
- ❑ Assessment of Thyroid Status among Non-Pregnant Women in Manus Province (Project funded by OHE research grant)
- ❑ Assessment of Thyroid function among Students in School of Medicine and Health Sciences, University of Papua New Guinea
- ❑ Assessment of iodine nutrition status among children (age 6-12 years) in Lele Madih Bupi Chupeu LLG, Lorengau dsitric, Manus Provivnce, PNG (Project funded by OHE research grant)
- ❑ Assessment of Aflatoxin M1 levels in Breast Milk of Lactating Mothers in Hagen Central District of Western Highlands Province and National Capital District (Project funded by OHE research grant)
- ❑ Monitoring Iodine Content in Brands of Salt Sold in Manus, Wewak and NCD
- ❑ Assessment of iodine nutrition status among children (age 6 – 12 years) in Kieta District, Bougainville. (Project funded by OHE research grant)
- ❑ Assessment of Aflatoxin M1 levels in breast milk of lactating mothers in Goroka and Kainantu District of Eastern Highland Province, PNG. (Project funded by OHE research grant)
- ❑ Modified Standard Operating Procedures (SOP) for Qualitative Tests to Detect Iron in Fortified Rice Sold in Port Moresby, PNG: Joint project with Food Fortification Initiative Thailand.
- ❑ Assessment of Nutritional status among non-pregnant women and school-age children in Kotidanga LLG Kerema District Gulf Province, PNG: Joint project with North Tamborine QLD Australia (PNG Corporate Mission);
- ❑ Assays of Urinary Iodine concentration in urine samples and Iodine content in Salt samples collected in the Solomon Islands during the 2015 “WHO STEPwise approach to Surveillance of Chronic and Non-communicable Disease Risk Factors survey”: World Health Organization (WHO) approved and funded project. Project supervised by VJ Temple.
- ❑ Assays of Sodium and Creatinine in urine samples collected in the Solomon Islands during the 2015 “WHO STEPwise approach to Surveillance of Chronic and Non-communicable Disease Risk Factors survey”: World Health Organization (WHO) approved and funded project. Supervised by VJ Temple.
- ❑ Assessment of Aflatoxin M1 levels in breast milk of lactating mothers in the Rabaul District, ENB Province, PNG. (Project funded by OHE research grant)
- ❑ Using Thyroid Function Tests in Cord Blood to Assess the Thyroid Status of Neonates Delivered in Mount Hagen Provincial Hospital, Western Highlands Province, PNG. Joint project with O&G Dept Mount Hagen Province Hospital WHP: (Project funded by OHE research grant)
- ❑ Status of iodine nutrition among pregnant women in Jiwaka Province PNG. (Project funded by OHE research grant)
- ❑ “Situation analysis of imported salt and rice into PNG: number and quantity of imports and extent of fortification”: Joint project with Iodine Global Network, Food Fortification Initiative Thailand, UNICEF, NDOH PNG, PNG Customs and NAQIA: Project supervised by VJ Temple (Project funded by Iodine Global Network, FFI and UNICEF).

- ❑ Status of iodine nutrition among school-age children in Simbu Province PNG. Project supervised by VJ Temple: Joint project with UNICEF, Simbu Provincial Health Authority and Simbu general hospital. (Project funded by UNICEF PNG)
- ❑ Impact of depressed economy on dietary energy intake among mothers and infants in NCD.
- ❑ Assessment of the Iodine Nutrition Status of Children (6 – 12 Yrs) resident in Siassi District Morobe Province Papua New Guinea.
- ❑ Drug Resistance Tuberculosis: Assessment of the Knowledge, Attitudes and Practices (KAP) among Students in the School of Medicine and Health Sciences, UPNG and Healthcare Professionals in the National Capital District, PNG.
- ❑ Antibiotic Resistance: Assessment of the Knowledge, Attitude and Practice of Antibiotic Resistance among Students in School of Medicine and Health Sciences, University of PNG.
- ❑ Joint project with Division of Public Health and Simbu Medical Student Association: Simbu Survey on household availability and awareness of Iodized salt, and use of salt condiments, flavourings, and fortification vehicles for Iron. Sub-Title: Health education to eradicate Iodine deficiency in Simbu Province, PNG (Coordinators: VJ Temple and G. Guldán) [2017 Funded by UNICEF]
- ❑ Status of Iodine Nutrition among non-pregnant women resident in Kotidanga LLG Kerema District, Gulf Province, Papua New Guinea
- ❑ Assessment of Pseudocholinesterase Activity and Dibucaine Number in the Serum of Surgical Patients in Port Moresby General Hospital.
- ❑ Using Soluble Transferrin Receptor to assess Iron Status of pregnant women attending PMGH Antenatal Clinic and Non-pregnant women in NCD, PNG.
- ❑ Assessment of Anaemia and Iron Status among Pregnant Women attending Antenatal clinics in PMGH and Non-Pregnant Women in NCD.
- ❑ Joint project with Food Fortification Initiative Asia, UNICEF, NDOH & Micronutrient Lab; Coordinator: VJ Temple. "Modified Standard Operating Procedures (SOP) for Qualitative Tests to Detect Iron in Fortified Rice imported into PNG" (Joint project with Food Fortification Initiative, Thailand) Funded by IGN and UNICEF PNG.
- ❑ Joint project with North Tombarine QLD Australia (PNG Corporate Mission). Coordinators VJ Temple & Janny Goris. "Assessment of Nutritional status among non-pregnant women and children in Kotidanga LLG Kerema District Gulf Province, PNG".
- ❑ Joint project with the International Food Policy Research Institute (IFPRI) Survey, UNICEF & Micronutrient Research Lab BMS SMHS UPNG; Report of Iodine Content in Salt Samples from Four Districts in four Provinces: Nuku District – WSP (Sandaun); Buin – Buka South Bougainville District; Lae District – Morobe Province; Maprik District – ESP.
- ❑ Joint project with UNICEF, NDoH, UNFPA, NSO (National Statistics Office); Report of quantitative assay of Iodine content in salt collected from Households in PNG during the Demographic Health Survey (DHS) 2017 to 2018.

## 2. **Research activities in Progress:**

- ❑ Exploring the extent of anemia among students in the School of Medicine and Health Science, UPNG"
- ❑ Status of iodine nutrition among children (6 to 12 years) resident in Kerowagi district, Simbu province
- ❑ Assessing the Knowledge and Prevalence of Gender Based Violence (GBV) among Female Students in the University of PNG
- ❑ Assessment of Pseudocholinesterase activity and Dibucaine Numbers in Serum of Surgical Patients in PMGH: A Prospective Study
- ❑ Knowledge and awareness of contraception among female students in the University of PNG
- ❑ Assessment of a non-invasive method for monitoring the glucose level in patients with diabetes mellitus"

## 3. **Workshops/Meetings/Seminars/Conferences attended:**

- ❑ PNG Medical Society, 54th Annual Symposium, DWU campus Madang: UNICEF sponsored Paediatric Society of PNG Specialty meeting (29th to 31st August, 2018 Madang Star Hotel): Jointly with Prof Guldán, Coordinated presentation of the Simbu Medical Student project report.
- ❑ Resource person: PNG Impact: Research, Innovation, and Society. 12th -13th December 2017 POM PNG.
- ❑ Resource person: PNG Medical Society: UNICEF sponsored Paediatric Society Specialty meeting Sept, 2017 Port Moresby, PNG.
- ❑ Resource person: Medical Lab Scientist Society of PNG Specialist Meeting; PNG Med Symp 7-8 Sept, 2017, Murray Barracks, Port Moresby PNG

- ❑ Resource person: Qualitative Assessment of Iron Content in Fortified Rice Sold in the National Capital District, Papua New Guinea. PNG Medical Society, 52nd Annual Medical Symp 4th to 9th Sept 2016, Alotau, Milne Bay Province PNG;
- ❑ Coordinator and Resource person: Training Workshop (for PNG Customs and NAQIA Inspectors, and Environmental Health Officers NDOH), on the Project Titled: Situation Analysis of Imported Salt and Rice into PNG: Number and Quantity of Imports and Extent of Fortification: Wednesday 21st and Thursday 22nd September 2016, Division of Basic Medical Sciences (BMS), School of Medicine and Health Sciences University of PNG; Funded by Iodine Global Network (IGN), Food Fortification Initiative (FFI) Asia, UNICEF.
- ❑ Resource person: Qualitative Assessment of Iron Content in Fortified Rice Sold in the National Capital District, Papua New Guinea. PNG Medical Society, 52nd Annual Medical Symp 4th to 9th September 2016, Alotau, Milne Bay Province PNG; Abs 45.
- ❑ Team Leader Scientific Committee: Research Science and Technology, joint UPNG Science Conference, UPNG Waigani, 17th to 21st November 2014
- ❑ Resource Person: Research Science and Technology, joint UPNG Science Conference, UPNG Waigani, 17th to 21st November 2014
- ❑ Resource person: International Council for Control of Iodine Deficiency Disorders (ICCIDD) Iodine Global Network (IGN) Regional meeting, Port Moresby, 15th to 18th August 2014.
- ❑ Member Technical Advisory Group (TAG): Review of the National Nutrition Policy and development of the Nutrition Strategic Action Plan: March 2014 to date:
- ❑ Resource person: Micronutrient Forum, Addis Ababa Ethiopia 1st to 6th June 2014, sponsored by the Micronutrient Initiative, Ottawa, Ontario Canada.
- ❑ Resource Person: Workshop on review of PNG National Nutrition Policy, Lamana Hotel, Port Moresby, 22nd to 24th August 2013.
- ❑ Chairman organizing committee and resource person: International Council for Control of Iodine Deficiency Disorders (ICCIDD) Global Network regional meeting, NDOH, 5th to 7th August 2013.
- ❑ Special guest and Resource person: The 6th Annual Biomedical Research Symposium, sponsored by the Health and Biomedical Research Association (HBIOMED-SL), 8th to 10th July 2013, Freetown, Sierra Leone.
- ❑ Resource Person: 48th Annual PNG Medical Symposium, Port Moresby, Gateway Hotel 2nd to 7th Sept 2012
- ❑ Member: Biomarkers Reflecting Inflammation and Nutrition Determinants of Anemia (BRINDA): Collaboration between CDC/GAIN/NICHHD and country partners: Jan 2012 to date
- ❑ Chairman organizing committee and Resource Person: Drug Monitoring and Research Workshop, SMHS UPNG, August 2011.
- ❑ Member task force: Training in Human Nutrition and Dietetics: National Health Service Standard Division NDOH: April 2010
- ❑ Participant in the UPNG Research Agenda Workshop: Port Moresby April 2010.
- ❑ Resource Person; Train the Trainers Workshop for Salt Iodization and Monitoring: Sponsored by UNICEF & NDOH: July 2010, NDOH.
- ❑ Resource Person: PNG Medical Symposium, Port Moresby 3rd to 6th Sept 2009
- ❑ Resource person: Iodised salt monitoring workshop: Train the Trainers: Training for quarantine officers and food inspectors. Sponsored by UNICEF NDOH: 1 to 5 June 2009, Madang Resort Hotel, Madang Province.
- ❑ Member organizing committee and Resource person: University of Papua New Guinea Science Conference, "Science Innovations for Change". 12 – 14th November 2008, Gateway Hotel, Port Moresby, PNG
- ❑ Resource Person: National Research Agenda for HIV and AIDS: National AIDS Council Secretariat Papua New Guinea. 23rd September 2008, Crown Plaza Hotel, Port Moresby Papua New Guinea.
- ❑ Resource person: Technical meeting on Proposed Diethylcarbamazine (DEC) Fortified Salt as a Strategy for the Control and Elimination of Lymphatic Filariasis (LF) in PNG. Sponsored by National Department of Health (NDOH): 13th Feb 2008, NDOH Conference Room, Aopi Centre.
- ❑ Participant: Videoconference and Workshop: "Nutrition in PNG – Present situation, challenges and solutions". Organized by: PNG Association of Public Health, in association with NDOH, Global Development Learning Network (GDLN, World Bank), UNICEF, CDC USA, AusAID. 7th September 2007, GDLN, World Bank Conference centre, Deloitte Tower, Port Moresby.
- ❑ Resource person: National Research Agenda Workshop. Sponsored by National AIDS Council Secretariat (NACS). 2nd to 4th Oct 2007; Holiday Inn, Port Moresby.
- ❑ Resource person: Consultation workshop on HIV Food and Nutrition in PNG. Sponsored by NDOH and Albion Street Centre Sydney Australia: 26th to 28th Nov 2007; WHO Conference Room, NDOH PSA House Port Moresby.

#### 4. Recent work published in peer reviewed journals:

1. Goris JM, **Temple VJ**, SumbisJ, Zomerdijk N, Codling K (2019) Iodine status of non-pregnant women and availability of food vehicles for fortification with iodine in a remote community in Gulf province, Papua New Guinea. *PLoS ONE* 14(11):e0224229. [https://doi.org/ 10.1371/journal.pone.0224229](https://doi.org/10.1371/journal.pone.0224229).
2. **VJ Temple**, AB Amoa, D Kisambo, S Mage, MR Bagita-Vangana, S Grant, S Taufu and J Goris; Assessment of anaemia and Iron status among pregnant women in the National Capital District PNG. (Submitted to PNG Medical Journal).
3. Goris JM, **Temple VJ**, Zomerdijk N, Codling K (2018) Iodine status of children and knowledge, attitude, practice of iodised salt use in a remote community in Kerema district, Gulf province, Papua New Guinea. *PLoS ONE* 13(11): e0197647. <https://doi.org/10.1371/journal.pone.0197647>.
4. Schmidt, Emily; Namusoke, Hanifa; **Temple, Victor J.**; Codling, Karen; Rudert, Christiane; Holtemeyer, Brian; and Benson, Todd. 2019. Access to iodized salt in four areas of rural Papua New Guinea. Papua New Guinea Project Note 3. Washington, DC: International Food Policy Research Institute (IFPRI). <https://doi.org/10.2499/p15738coll2.133302>
5. **VJ Temple**, G Kiagi, HM. Kai, H Namusoke, K Codling, L Dawa and E Dogimab: Status of Iodine Nutrition among School-age Children in Karimui-Nomane and Sina-Sina Yonggomugl districts in Simbu province Papua New Guinea: *Pac. J. Med. Sci.* 2017, Vol. 18, No. 1, pp 3 – 20. [www.pacjmedsci.com](http://www.pacjmedsci.com).
6. JP Wirth, BA Woodruff, R Engle-Stone, SML Namaste, **VJ Temple**, N Petry, B Macdonald, PS Suchdev, FRohner, and GJ Aaron; Predictors of anemia in women of reproductive age: Biomarkers Reflecting Inflammation and Nutritional Determinants of Anemia (BRINDA) project. *Am J Clin Nutr* 2017; 106 (Suppl): 416S–427S. [www.ncbi.nlm.nih.gov/pmc/articles/PMC5490645/pdf/ajcn143073.pdf](http://www.ncbi.nlm.nih.gov/pmc/articles/PMC5490645/pdf/ajcn143073.pdf)
7. LM Larson, SML Namaste, AM Williams, R Engle-Stone, OY Addo, PS Suchdev, JP Wirth, **VJ Temple**, M Serdula, and CA Northrop-Clewes: Adjusting retinol-binding protein concentrations for inflammation: Biomarkers Reflecting Inflammation and Nutritional Determinants of Anemia (BRINDA) project. *Am J Clin Nutr* 2017; 106 (Suppl): 390S–401S. [https://academic.oup.com/ajcn/article/106/suppl\\_1/390S/4668591](https://academic.oup.com/ajcn/article/106/suppl_1/390S/4668591)
8. Reina Engle-Stone, Grant J Aaron, Jin Huang, James P Wirth, Sorrel ML Namaste, Anne M Williams, Janet M Peerson, Fabian Rohner, Ravi Varadhan, O Yaw Addo, **Victor Temple**, Pura Rayco-Solon, Barbara Macdonald, and Parminder S Suchdev. Predictors of anemia in preschool children: Biomarkers Reflecting Inflammation and Nutritional Determinants of Anemia (BRINDA) project. *Am J Clin Nutr* 2017; 106 (Suppl): 402S–15S [www.ncbi.nlm.nih.gov/pmc/articles/PMC5490650/pdf/ajcn142323.pdf](http://www.ncbi.nlm.nih.gov/pmc/articles/PMC5490650/pdf/ajcn142323.pdf)
9. **Victor J Temple**, Maryline Waka, Dorea Zangai, Jessica Piel, James L Oken, Teleck Ayove and Sampson Grant: Assessment of Aflatoxin M1 in Breast Milk of Lactating Mothers in Papua New Guinea: *Pac. J. Med. Sci.* Vol. 17, No. 2, 2017 pp 40-55
10. **Victor J. Temple**, Judith Opu, Nigani Willie, John D. Vince, Nakapi Tefuarani and Richard Laki; Zinc status of children aged 12 to 59 months resident in the National Capital District, Papua New Guinea. *PNG Med J* 2016 Mar-Jun; 59 (1-2): 65-76.
11. Janny M Goris, Nienke Zomerdijk & **Victor J Temple**; Nutritional status and dietary diversity of Kamea in Gulf Province, Papua New Guinea; *Asia Pacific Journal of Clinical Nutrition (APJCN)*, 2017, Vol. 26 (4): 665 – 670. (doi: 10.6133/apjcn.052016.09 Published online: May 2016, 1 – 14)
12. **Victor J Temple** and Peter Yearwood; Commentary: Agricultural development in Sub-Saharan Africa: The search for solution continues. *AJFAND* Vol. 16, No. 1, March 2016, 1 – 11.
13. **Victor J. Temple** and Karen Codling; Papua New Guinea's Commitment to Universal Salt Iodization pays off. *IDD Newsletter: Iodine Global Network*; Vol. 43, No. 2, May 2015, p 6 – 8.
14. **Victor J. Temple**, Diana Etep, Nigani Willie, A. B. Amoa and Mary Bagita; Assessment of Zinc Status of Women Resident in the National Capital District, PNG. *PNG Med J*, 2015, Mar – Dec. 58 (1 – 4), 11 – 21.
15. **Victor J Temple**. "Editorial: Ebola in West Africa: A "Clarion call" to action to avert a Global Pandemic". *Pac. J. Med. Sci.* 2015, Vol. 14, No. 2, 3 – 8.
16. Doris Ula Manongi and **Victor J. Temple** Assessment of Thyroid Status of Patients in Solomon Islands: A Retrospective Study: *Pac. J. Med Sc.* Vol. 13, No. 1, August 2014, p 32 – 42.
17. Samantha J. Lomutopa, Christopher Aquame, Nigani Willie and **Victor J. Temple**. Status of Iodine Nutrition among School-age Children (6 – 12 years) in Morobe and Eastern Highlands Provinces, Papua New Guinea. *Pacific J. Medical Sciences*, 2013, Vol. 11, No. 2, 70 – 87.
18. **Victor J Temple**, Cecily Kaira, John D Vince, Isi H Kevau and Nigani Willie. "Vitamin A status of pre-school-age children age 6 to 59 months in the National Capital District, Papua New Guinea". *Papua New Guinea Med J.* Vol. 54, No. 1-2, March-June 2011, 4 – 16. [Released June 2013] <https://www.ncbi.nlm.nih.gov/pubmed/23763034>

19. **Victor J Temple**. "Letter to the Editor: Response to Commentary on the Guest Editorial "Hidden Hunger: Is there a weak link" published in AJFAND Volume 12, No. 7, December 2012" African Journal of Food, Agriculture, Nutrition and Development (AJFAND), April 2013, Vol 13, No. 2.
20. **Victor J. Temple**. "Ending Hidden Hunger: Is there a weak link?" Guest Editorial: African Journal of Food, Agricultural, Nutrition and Development (AJFAND), December 2012, Volume 12, No. 7, 1 – 11.
21. Naomi Shinoda, Kevin M Sullivan, Katie Tripp, Jürgen G Erhardt, Bridgette MH Haynes, **Victor J Temple** and Bradley Woodruff "Relationship between markers of inflammation and anaemia in children of Papua New Guinea". Journal Public Health Nutrition, Available on-line CJO2012 doi:10.1017/S1368980012001267 October 2012. Public Health Nutr 2013;16: 289–95.
22. Wali C, Pokris B, Rowe R and **VJ Temple**. "Prevalence of Aflatoxin B1 in some Foodstuffs in Papua New Guinea". Pac. J. Med. Sci. 2012, Vol. 10, No. 2, 36 – 44.
23. Florence David Tarfa, Samson Amos, **Victor J. Temple**, Nelson A. Ochekepe and Karniyus Shingu Gamaniel. Hypoglycemic effects of the aqueous extract of African Mistletoe, *Tapinanthus sesselifolius* (P. Beauv) van Tiegh (Loranthaceae). Int. J. Biol. Chem. Sci. 6(1): 408-414, Feb 2012.  
<https://www.ajol.info/index.php/ijbcs/article/viewFile/80511/70757>
24. Tenakanai Nomin-Dora, Lagasu S, Paniu MM, Masta A and **VJ Temple**. "Frequency of Alleles D16S539, D7S820, D13S317 in a Population Sample in National Capital District, Papua New Guinea" Pac. J. Med. Sci. 2011, Vol. 8, No. 1, 49 – 58.
25. Meauri G, **Temple VJ** and JAK Lauwo. "Prevalence of Self-Medication among Students in University of Papua New Guinea" Pac. J. Med. Sci. 2011, Vol. 9, No. 1, 17 – 31.
26. Pamu J, **Temple VJ**, Amoa AB and Grant S. "Using thyroid stimulating hormone (TSH) levels in cord blood to assess the iodine status of neonates". Pac. J. Med. Sci. 2010, Vol. 7, No. 1, 52 – 62.
27. Rowe R, Puri W, **Temple VJ**, Aigeeleng H, and S. Grant. "Assessment of serum cholinesterase (Pseudocholinesterase) and Dibucaine number among students in the University of Papua New Guinea". Pac. J. Med. Sci. 2010, Vol. 7, No. 2, 50 – 64.
28. Hapa RZ and **Temple VJ**. "Status of iodine nutrition among school-age children (6 – 12 years) in Honiara, Solomon Islands". Pac. J. Med. Sci. 2010, Vol. 7, No. 1, 21 – 36.
29. Temu P, **Temple VJ**, Saweri A and Saweri W. "Thiamine (Vitamin B1) Status of Boarding School Students in Southern Region" PNG Med J, 2009 Mar-Jun, 52 (1 – 2): 21 – 27.
30. **Temple VJ**, Oge R, Daphne I, Vince JD, Ripa P, Delange F and Eastman CJ. "Salt Iodization and Iodine Status among Infants and Lactating Mothers in PNG" AJFAND, Vol 9, No. 9, Dec 2009, 1807 - 1823.
31. Ijape L and **Temple VJ**. "Prevalence and Determinants of Non-Adherence to Highly Active Antiretroviral Therapy among HIV/AIDS Patients in Heduru Clinic, PMGH" Pac. J. Med Sci. Vol 6, No. 1, 2009, 92 – 102
32. **Temple VJ**. "Research questions and significance" Pacific J Medical Sci. Vol. 6, No 1, July 2009, 11 – 14.
33. Meauri G, **Temple VJ** and Lauwo JAK. "Self-Medication Among Students in the University of Papua New Guinea" In: Addressing National and Global Issues through Scientific Research and Development. Proceeding of UPNG National Conf: Oct 2009, 181 – 190.
34. Fabila V, **Temple VJ**, Linge D, Kevau IH and Ipai L. "Prevalence of Microalbuminuria in Diabetic and Hypertensive Patients Attending Clinics in PMGH" Pac J. Med Sci 2008, Vol. 5, 22 – 33.
35. **Temple VJ**. "Adherence to Highly Active Antiretroviral Therapy (HAART): Is Nutrition an Issue? Pac J. of Medical Sciences, 2008, Vol. 5, 65 – 70.
36. Ilaisa S, **Temple VJ**, Saweri W, Lloyd A. "Nutrient and Energy Intake of People Living with HIV/AIDS in Port Moresby General, PNG: A 24-Hour Recall Study". Med. Sci. Bull. Vol 4, 2007: 16 – 26.
37. Oge R, **Temple VJ**, Vince J, Ripa P. "Nutritional Status of Infants in the National Capital District of Papua New Guinea". Med. Sci. Bull. Vol. 4, 2007: 33 – 44.
38. Pamu GH, **Temple VJ**. "Retrospective Assessment of Thyroid Function Tests Results Obtained in PMGH in 2004 and 2005". Med. Sci. Bull. Vol 4, 2007: 45 – 51
39. **Temple VJ**. "Progress towards elimination of IDD in PNG" International Council for Control of Iodine Deficiency Disorders. IDD Newsletter, Vol. 22, No 4, Nov. 2006; 11 – 13.
40. **Temple VJ**, Haindapa B, Turare R, Masta A, Amoa AB, Ripa P. "Status of Iodine Nutrition in Pregnant and Lactating Women in National Capital District, PNG. Asia Pac J Clin Nutr: 2006; Vol. 15 (4): 533 – 537.
41. **Temple VJ**, Mapira P, Adeniyi KO and Sims P. "Iodine Deficiency in Papua New Guinea (Sub-clinical iodine deficiency and salt iodization in highlands of Papua New Guinea)" J of Public Health 2005, 27 (1): 45 – 48.
42. **Temple VJ**. "Micronutrient Requirement in Persons Living with HIV/AIDS: A Review. Med Sci Bulletin, 2005, Vol. 3, 14 – 16.

#### 4b: Recent reports of projects completed and submitted:

- Project Situation analysis of imported rice and salt in PNG 2016
- Field manual analysis rice salt Sept 2016
- Final report Simbu Med Students Iodine awareness project 2017



- Report Simbu Med Students awareness project July 2018
- DHS 2nd report salt iodine results Oct 2018
- DHS salt iodine results 3rd report Nov 2018
- Report Assessment Fortification of Rice and Salt in PNG Cities 2019
- Presentation Assessing fortification of rice and salt sold in PNG 2019

5. **Books:**

- ❑ Biochemistry 1001: Review & Viva Voce Questions and Answers Approach": **Victor J. Temple** (ISBN: 978 – 9980 – 86 – 960 – 9, Sterling Publishers Private Ltd, 2012, New Delhi-110 – 020.
- ❑ "A Practical Manual in Biochemistry & Clinical Biochemistry": 4<sup>th</sup> Edition; Edited by: **Victor J. Temple**, Rachael Rowe, Nigani Willie and Samson Grant. (ISBN: 978 – 9980 – 84 – 919 – 9); Published by UPNG Press and Uni-Bookshop, 2013; P.O. Box 413, University PO, UPNG Campus, Waigani, NCD, Port Moresby, PNG Email: [upngbooks@gmail.com](mailto:upngbooks@gmail.com). [www.pngbuai.com](http://www.pngbuai.com).
- ❑ "A Practical Manual in Biochemistry & Clinical Biochemistry": 3<sup>rd</sup> Edition; Edited by: **Victor J. Temple**, Nigani Willie and Samson Grant. (ISBN: 978 – 9980 – 84 – 919 – 9, UPNG Publishers, 2012, Port Moresby, PNG)
- ❑ "Biochemistry Revision: Questions & Answers Approach": **Victor J. Temple**, (ISBN: 978 – 9980 – 84 – 895 – 6, UPNG Publishers, 2010, Port Moresby Papua New Guinea).

6. **Published Abstracts/Seminar & Workshop Presentations/Research Reports:**

- ❑ **Victor J. Temple**. Internal and external quality control monitoring in the Micronutrient Laboratory in SMHS UPNG: paper presented at the Medical Lab Scientist Society of PNG Specialist Meeting; 53rd PNG Med Symp 7-8 Sept, 2017, Murray Barracks, Port Moresby PNG
- ❑ Becky Tsang, **VJ. Temple** & Karen Codling. "Field Manual for project: Situation analysis of imported salt and rice into PNG: number and quantity of imports and extent of fortification" Published by Food Fortification Initiative Asia, July 2016
- ❑ Janny M Goris, Nienke Zomerdijk & **Victor J Temple** Assessment of Nutritional status among non-pregnant women and children in Kotidanga LLG Kerema District Gulf Province. PNG Medical Society, 51<sup>st</sup> Annual Medical Symp 4<sup>th</sup> to 9<sup>th</sup> September 2016, Port Moresby PNG; Abs 55.
- ❑ **Victor J. Temple**, Samson Grant, Dionysia Siri, Judith Opu, Jennie Bautau-Grant and Michael M Panui. Qualitative Assessment of Iron Content in Fortified Rice Sold in the National Capital District, Papua New Guinea. PNG Medical Society, 52<sup>nd</sup> Annual Medical Symp 4<sup>th</sup> to 9<sup>th</sup> September 2016, Alotau, Milne Bay Province PNG; Abs 45.
- ❑ **Victor J. Temple**. Update on the status of Iodine Nutrition in Papua New Guinea: Report for the Period 1st January 2015 to 31st December 2015. Iodine Research Laboratory in School of Medicine and Health Sciences division of Basic Medical Sciences, University of Papua New Guinea: Presented to Iodine Global Network, (IGN) January 2016
- ❑ Sullivan KM; Suchdev PS; Raiten D; Flores R; Namaste S; **Temple V**, Serdula M; Mei Z; Jefferds ME; Whitehead RD Jr. Association between Two Acute Phase Proteins with Hemoglobin in Preschool Children: BRINDA Project report, CDC USA 2015
- ❑ Fayrouz A Sakr Ashour, Yaw Addo, Kevin Sullivan, Parmi Suchdev, Zuguo Mei, **Victor Temple**, Daniel J. Raiten, Rafael Flores-Ayala Associations between Markers of Inflammation and Hemoglobin Conc in Women of Reproductive Age – BRINDA Project report, CDC USA 2015
- ❑ B. Pokris, C. Wali & **VJ Temple** "Aflatoxin B1 contaminants in some common foodstuffs in Papua New Guinea" Research Science and Technology, UPNG Science Conference 17 to 21 November 2014, University of PNG Waigani, PNG: Abstract A59\_PR\_1.
- ❑ Jessica Piel & **VJ Temple** "Assessment of Aflatoxin M1 levels in breast milk of lactating mothers in NCD, Western Highlands and Manus Provinces" Research Science and Technology, UPNG Science Conference 17 to 21 November 2014, University of PNG Waigani, PNG: Abstract A113\_PR\_1.
- ❑ **VJ Temple**, D Roffunduo, SJ Lomutopa, C Aquame, S Malai, M Mu-uh, M Kaven, N Pokale & W Nigani "Monitoring and evaluation of salt iodization in NCD" Research Science and Technology, UPNG Sci Conf 17 to 21 Nov 2014, UPNG Waigani, PNG:Abstract A44\_PR\_1.
- ❑ Debra Roffunduo & **Victor J. Temple** "Status of Iodine Nutrition among School-age Children in Kubalia District East Sepik Province, Papua New Guinea" PNG Medical Society, 49<sup>th</sup> Annual Medical Symp 2<sup>nd</sup> to 6<sup>th</sup> September 2013, Madang Conference centre; Abs 64.

- ❑ Samantha Lomutopa & **Victor J. Temple** “Status of Iodine Nutrition among Children (Age 6 – 12 Years) in Lufa District, Eastern Highland Province” PNG Medical Society, 48<sup>th</sup> Annual Med Symp 2<sup>nd</sup> to 7<sup>th</sup> Sept 2012, Gateway Hotel Port Moresby, PNG, pp 45.
- ❑ Bosco Pokris, Chilaka Wali & **Victor J. Temple** “Prevalence of Aflatoxin B-1 in Foodstuffs in some Major Cities in Papua New Guinea” PNG Medical Society, 48<sup>th</sup> Annual Medical Symposium, 2<sup>nd</sup> to 7<sup>th</sup> Sept 2012, Gateway Hotel Port Moresby, NCD, PNG, pp 46.
- ❑ James L. Oken, Teleck Ayove & **Victor J. Temple** “Assessment of Aflatoxin M-1 in Breast Milk of Lactating Mothers in the NCD and Manus Province” PNG Medical Society, 48<sup>th</sup> Annual Med Symp, 2<sup>nd</sup> to 7<sup>th</sup> Sept 2012, Gateway Hotel Port Moresby, PNG, pp 46
- ❑ Yvonne Golpak, Joshuaia Nara, Beatrice Solok, Mahmood S. Siddiqi, Racheal Rowe & **Victor J. Temple** “Using Enzyme Immunoassay to Assess the Prevalence of Helicobacter Pylori in Saliva of Dental Patients” PNG Medical Society, 48<sup>th</sup> Annual Medical Symposium, 2<sup>nd</sup> to 7<sup>th</sup> Sept 2012, Gateway Hotel Port Moresby, PNG, pp 48
- ❑ Shinoda N, Sullivan K, Tripp K, Erhardt J, Haynes B, **Temple VJ**. “Relationship between anemia and biomarkers of inflammation in children” 2<sup>nd</sup> International Meeting of the Micronutrient Forum. Micronutrients, Health and Development: Evidence-Based programs: Micronutrient Status Methodologies: Beijing China: Abstract TU 57, May 2009, pg 69
- ❑ Drammeh B, Schleicher R, Erhardt J, Haynes B, Tripp K, **Temple VJ**. “Assessment of vitamin A deficiency in women and children from Papua New Guinea using dried blood spot Retinol-Binding Protein” 2<sup>nd</sup> International Meeting of the Micronutrient Forum. Micronutrients, Health and Development: Evidence-Based programs: Micronutrient Status Methodologies: Beijing China: Abstract TU 63, May 2009, pg 70
- ❑ Tripp K, Woodruff B, **Temple VJ.**, Saweri W, Haynes B, Codling K. “Iron and vitamin A status in Papua New Guinea: Results of A 2005 National Survey” 2<sup>nd</sup> International Meeting of the Micronutrient Forum. Micronutrients, Health and Development: Evidence-Based programs: Micronutrient Status Methodologies: Beijing China: Abs TU 82, May 2009, pg 76.
- ❑ **Temple VJ**. “Status of HIV related food and nutrition research in PNG” In Proceedings on Consultation workshop on HIV Food and Nutrition in PNG. NDOH and Albion Street Centre Publication, 2008, Sydney and Port Moresby.
- ❑ **Temple VJ**. “Assessment of dietary energy intake of PLWHA attending Heduru clinic in PMGH” In Proceedings of National Research Agenda Workshop. 2007, NACS Publications, Port Moresby.
- ❑ Oge R, **Temple VJ**, Vince J, Ripa P. Assessment of nutritional status of infants in NCD by Anthropometry. 43<sup>rd</sup> Annual Medical Symp, 3<sup>rd</sup> – 7<sup>th</sup> Sept 2007. Port Moresby, NCD, pp 51.
- ❑ Ilaisa S, **Temple VJ**, Saweri W and Lloyd A. Assessment of dietary energy intake of PLWHA attending Heduru Clinic, Port Moresby General Hospital: 24-hour recall study. 43<sup>rd</sup> Annual Medical Symposium, 3<sup>rd</sup> – 7<sup>th</sup> September 2007. Port Moresby, NCD, pp 55.
- ❑ **Temple VJ**. Consolidation of the monitoring system for salt iodization in PNG. In Proceedings: “Iodised salt monitoring workshop”. 22 – 26 May 2006 Madang Resort PNG. 2007, UNICEF & NDOH Publication, pp 4 – 7
- ❑ **Temple VJ**. Salt iodization, monitoring and evaluation (SIME). In Proceedings: “Iodised salt monitoring workshop”. 22 – 26 May 2006 Madang Resort PNG. 2007 UNICEF & NDOH Pub, 8 – 10.
- ❑ **Temple VJ**. Salt iodization: Packaging and storage: situation analysis in PNG. In Proceedings: “Iodised salt monitoring workshop”. 22 – 26 May 2006 Madang Resort PNG. 2007, UNICEF & NDOH Publication, 9 – 13.
- ❑ **Temple VJ**. Strategy for monitoring USI implementation in PNG. In Proceedings: “Iodised salt monitoring workshop”. 22 – 26 May 2006 Madang Resort PNG. 2007, UNICEF&NDOH Pub, 14 – 17.
- ❑ **Temple VJ**. Universal salt iodization (USI): A control for iodine deficiency. In Proceedings: “Iodised salt monitoring workshop”. 22 – 26 May 2006 Madang Resort PNG. 2007, UNICEF & NDOH Publication, 18 – 24.

## 7. Research Grants Received:

- ❑ **Office of Higher Education Research Science and Technology Initiative Research & Development Grant, 2013: Research Grant received: May 2013**
- ❑ **Projects completed and final reports submitted on schedule (October 2013):**
  - Assessment of the impact of universal salt iodization (USI) strategy Lufa District EHP, PNG
  - Status of iodine nutrition among children (6 – 12 yrs) in Numbo Local Level Government- Kubalia district, East Sepik Province (ESP), PNG.
  - Assessment of zinc status in children age 12 to 59 months attending clinics in PMGH
  - Assessment of zinc status of pregnant and non-pregnant women in NCD
  - Status of iodine nutrition among children 6 to 12 years in Manus Province;
  - Assessment of Thyroid Function in Cord Blood after delivery in Manus Province;
  - Assessment of Thyroid Function among women in Manus Province;

- Assessment of Aflatoxin M-1 in breast milk of lactating mothers in Western Highlands;
  - **Projects in progress:**
    - Assessment of universal salt iodization and iodine status among children (6 – 12yrs) in East New Britain (ENB) Provinces
    - Status of iodine nutrition among children 6 to 12 years in Bougainville.
    - Gene bank project II: Data base for genetic fingerprinting (STR) in PNG
    - Assessing the Vitamin D status of infants in NCD.
    - Impact of depressed economy on dietary energy intake among mother and infant in NCD
  - **SMHS UPNG Research Grant: Research Grant received: April 2011**
  - **All projects completed and final reports submitted on schedule (October 2011)**
    - Assessment of academic stress on cortisol level in saliva of students in UPNG.
    - Assessment of Aflatoxin B-1 in foodstuffs in different provinces in PNG
    - Assessment of Aflatoxin M-1 in breast milk of lactating mothers in NCD and Manus;
  - **Office of Higher Education Research Grant received in July 2008:**
  - **All projects completed and final reports submitted on schedule (Dec. 2009).**
    - Iodine nutritional status of School-age Children in Menyamya District, Morobe Province PNG
    - Assessment of Thyroid Function in Cord Blood
    - Pseudo-cholinesterase activity in apparently healthy individuals in the National Capital District, PNG
    - Assessment of the Dibucaine Numbers of Pseudo-cholinesterase in health individuals in NCD PNG
    - Using Glycosylated Haemoglobin (HbA1c) to assess Glycemic control in diabetic patients in Port Moresby General Hospital.
    - Retrospective assessment of the prevalence of Neonatal jaundice in Port Moresby General Hospital: January 2007 to December 2008
  - **SMHS Research Grant committee approved funding in March 2008 but no fund was provided. Personal fund was used for this project.**
  - Project completed and final report submitted on schedule (Dec. 2008).
    - Assessment of Adherence to HAART by HIV patients in Port Moresby
  - **Office of Higher Education: Research Grant received in December 2007 (Vitamin A project)**
  - **Project completed and final reports submitted on schedule (Dec. 2007)**
    - Assessment and Monitoring of Vitamin A status of infants, age 6 to 59 months attending Paediatric clinic in Port Moresby General Hospital
    - Nutritional status of children in NCD.
    - Assessment of Vitamin A status of non-pregnant women in NCD.
    - Assessment of Microalbuminuria among diabetic and hypertensive patients in PMGH
8. **Current Major funded projects under my supervision:**
- **Project funded by Iodine Global Network, Food Fortification Initiative and UNICEF: Project still in progress**
    - Situation analysis of imported salt and rice into PNG: number and quantity of imports and extent of fortification”: Joint project with Iodine Global Network, Food Fortification Initiative Thailand, UNICEF, NDOH PNG, PNG Customs and NAQIA
  - **Project funded by UNICEF PNG: Project still in progress**
    - Status of iodine nutrition among school-age children in Simbu Province PNG: Joint project with UNICEF, Simbu Provincial Health Authority and Simbu general hospital.
9. **Professional Society Activities:**
- Member International Council for Control of Iodine Deficiency Disorders (ICCIDD), Iodine Global Network (IGN)
  - Registered Member American Society for Nutrition
  - Active member of the Institute of Biology, London, England.
  - A Chartered Biologist of the Institute of Biology, London, England

- ❑ Member of the Medical Association of PNG.
- ❑ Member PNG Biodiversity Network
- ❑ Member: Biomarkers Reflecting Inflammation and Nutrition Determinants of Anemia (BRINDA): Collaboration between CDC/GAIN/NICHD and country partners: Jan2012 to date
- ❑ Member: Asia Pacific Association of Medical Journal Editors (APAME)

10. **Provision of leadership to team of researchers:**

- ❑ Coordinator and Principal researcher: Iodine Deficiency Disorder (IDD) Research Project: A multidisciplinary research project that involves colleagues in the Disciplines of Biochemistry and Molecular Biology, Child Health (Paediatrics), O & G, Pharmacology, Human Physiology, Medicine, and Public Health.
- ❑ IDD program manager: Micronutrient Research Laboratory (MRL) SMHS UPNG.
- ❑ Chairman, Micronutrient Research Group SMHS UPNG: This group continues to maintain the only MRL in SMHS UPNG and in PNG in general. The MRL is a registered member of the Ensuring the Quality of Iodine Procedure (EQUIP) program in Centers for Disease Control and Prevention (CDC) Atlanta Georgia USA. The MRL is also a member of the International Iodine Network. The MRL is involved in research project involving five micronutrients: Zinc, Iron, Plasma Retinol (Vitamin A), Thiamine (Vitamin B-1) and Vit D.
- ❑ Coordinator and principal researcher: DNA Data base for Forensic analysis: Molecular Genetics laboratory, Division of BMS, SMHS UPNG.
- ❑ Co-ordinator of research projects on disease trends in PNG, with emphasis on retrospective assessment of laboratory data obtained in the Clinical Biochemistry unit in PMGH: Metabolic disorders (diabetes mellitus, gestational diabetes, thyroid dysfunction, anaemia, oxidative stress, and hypertension) with special interest in diagnosis and clinical biochemical assessment at the subclinical stages.
- ❑ Co-ordinator of research group on: Food Insecurity and its implication for maternal and child health and also for people living with HIV/AIDS in PNG: Projects involve data collection and advocacy.
- ❑ Mentor and active member of the Drug Monitoring Research Group in Division of BMS SMHS UPNG.

**ADMINISTRATIVE PORTFOLIO:**

1. **Participation in School Administration and Governance:**

- ❑ Head, Discipline of Biochemistry and Molecular Biology in the Division of BMS SMHS, UPNG from January 2002 to Date.
- ❑ Chairman, 2<sup>nd</sup> Year MBBS, Academic committee January 2002 – to date.
- ❑ Member, Undergraduate Medical Education Committee (UMEC) in SMHS 2002 to date.
- ❑ Head, Division of BMS, SMHS UPNG, January 2003 – to date.
- ❑ Member, SMHS Standing Committee, January 2002 to date
- ❑ Member, SMHS Postgraduate Committee, January 2003 to date.
- ❑ Member, SMHS Planning Committee, January 2002 to date.
- ❑ Member, SMHS Ethics and Research Grant Committee: 2003 to date
- ❑ Co-ordinator, Joint Divisional Seminar Series: (Divisions of BMS, Health Sciences & Dentistry fortnightly academic seminar): Jan 2006 to 2009.
- ❑ Member, SMHS Time Table Committee: January 2006 to date.
- ❑ Acting Dean SMHS, UPNG: 5<sup>th</sup> to 15<sup>th</sup> September 2008.
- ❑ Acting Dean SMHS, UPNG: 29<sup>th</sup> Aug to 6<sup>th</sup> Sept 2010.
- ❑ Acting Dean SMHS UPNG: 3<sup>rd</sup> to 8<sup>th</sup> Sept 2013,

2. **Participation in UPNG Committees/Administration and Governance:**

- ❑ SMHS Rep in UPNG student assessment policy committee: 2004 to date.
- ❑ SMHS Rep in UPNG Enrichment Program Review Working Group: 2007 to 2010.
- ❑ Member, UPNG Governing Council: January 2007 to December 2008
- ❑ Member, UPNG Examination Board (UEB): Duties include moderation of examination questions and final grades of all under graduate courses in the University of Papua New Guinea: October 2007 to June 2012.
- ❑ Chairman, UPNG Examination Board (UEB): UEB is the formal body established by the UPNG Council and Senate to oversee the assessment processes and results; it certifies the final grades for all students: July 2012 to March 2013.
- ❑ Member UPNG UEB: April 2013 to date.

### 3. **Course administration and support:**

- a. As Head of Discipline of Biochemistry and Molecular Biology in BMS SMHS UPNG, I actively participate in:
  - The development and implementation of the Biochemistry and Clinical Biochemistry Roadmaps for the MBBS curriculum for 2<sup>nd</sup> to 5<sup>th</sup> Year students.
  - Regular review of the Biochemistry and Clinical Biochemistry Roadmaps in relation to modifications in the P & C problems at the various levels;
  - Development and full implementation of the Biochemistry and Clinical Biochemistry courses in the Semester system in Divisions of Health Sciences and Dentistry
  - Coordination and preparation of Biochemistry and Clinical Biochemistry course outlines and course descriptions for the Health Sciences and Dentistry programs
  - Distribution of the course outlines and course descriptions to students in the Divisions of Health Sciences and Dentistry.
  - Coordination of teaching activities of Biochemistry and Clinical Biochemistry courses in Divisions of Health Sciences and Dentistry.
- b. As Chairman of the Division of BMS SMHS UPNG: (Division of BMS is made up of four Disciplines: Human Anatomy, Biochemistry & Molecular Biology, Human Physiology and Pharmacology)
  - I liaise with Heads of the various Disciplines in the Division of BMS to ensure effective implementation of teaching activities, preparation of course outlines and course descriptions for distribution to students in the MBBS, Health Sciences and Dentistry programs.
  - I also liaise with the Heads on all matters related to the smooth running of the academic programs in the SMHS UPNG.
  - I represent the BMS in all SMHS committees' related to administrative and academic matters.

### **OUTREACH PORTFOLIO:**

#### 1. **Unpaid Consultancy/Advisory services:**

- ❑ Appointed External Evaluator in Drug Registration: National Department of Health (NDOH) Committee for the Evaluation of Drugs for Registration: October 2005 to date. Duties involved evaluation of scientific and toxicological data of drug applications for medicinal products.
- ❑ Chairman, PNG Food Fortification Technical Committee, which is a sub-committee of PNG Food Sanitation Council, NDOH: September 2007 to date.
- ❑ Member, PNG Food Fortification Inspection and Monitoring Committee: Sep 2007 to date
- ❑ Member, PNG National Technical Working Group (NTWG) NDOH, on the National Program to Eliminate Lymphatic Filariasis (LF). Sep 2007 to date.
- ❑ Provide regular consultations to technical staff in the National Agricultural Research Institute (NARI) Laboratory in Kila Kila, Port Moresby: 2006 to date.
- ❑ Member, National Nutrition Technical Advisory Group (TAG): Review of the 1995 PNG National Nutrition Policy. April 2013 to date
- ❑ International Council for Control of Iodine Deficiency Disorders (ICCIDD) Global Network Country Representative: PNG: May 2013 to date
- ❑ ICCIDD Global Network Country Representative: Solomon Islands: May 2013 to date.

#### 2. **Scientific Reviewer / Member Editorial Boards:**

- ❑ Reviewer: "PNG Medical Journal": 2009 to date.
- ❑ External Reviewer: PNG J. Agriculture, Forestry and Fisheries, 2002 to date.
- ❑ Member, National Nutrition Technical Advisory Group (TAG): Review of the 1995 PNG National Nutrition Policy. May 2013 to date.
- ❑ International Reviewer: "Journal Thyroid" On-Line reviewer: 2009 to date.
- ❑ International Reviewer: "African Journal of Food, Agriculture Nutrition and Development (AJFAND)": On-Line reviewer: 2009 to date.
- ❑ International Reviewer: "Journal Maternal & Child Health": 2010 to date.
- ❑ International Reviewer: Journal Maternal & Child Nutrition: ScholarOne 2012.
- ❑ Technical Reviewer AJFAND: Appointed December 2012..

- ❑ ICCIDD Global Network Country Representative: PNG: May 2013 to date
- ❑ ICCIDD Global Network Country Rep: Solomon Islands: May 2013 to date;
- ❑ Member, Editorial Board, Biomedical Science Letters, (On-Line reviewer of scientific papers on Nutrition): 2001 to date.
- ❑ Member, Editorial Board, West African Journal of Biological Sciences, (Reviewer of papers on Enzymology and Micronutrients): 2000 to date.
- ❑ Member Technical Advisory Group (TAG): Review of National Nutrition Policy and development of Nutrition Strategic Action Plan: March 2014 to date:

### 3. **Voluntary education services:**

- ❑ Presented series of lectures on: "Sports Nutrition" to Papua New Guinea National Olympic Committee Sports Medicine Course for Health Professionals with particular interest in Sports Medicine: Series of Workshops held at the Gateway Hotel, Port Moresby, PNG; March 2006; February 2008.
- ❑ Conducted iodised salt monitoring training sessions for Inspectors and Quarantine officers in National Agriculture Quarantine and Inspection Authority (NAQIA) PNG, August 2007, June 2008, April 2009.
- ❑ Conduct seminars for technical staff in the National Agriculture Research Institute (NARI) Chemistry Laboratory in Kila Kila, Port Moresby PNG: Aug 2009, Aug 2010 and Aug 2011.

### **DISTANCE AND CONTINUING EDUCATION PORTFOLIO:**

- ❑ Course Coordinator:
  - ❑ Development of teaching materials for PNG Pharmaceutical Upgrade Project:
  - ❑ Development and writing of course materials for Pharmaceutical Biology and Biochemistry

### **Teaching professional short courses:**

- ❑ Teaching Biochemistry and Clinical Biochemistry to Postgraduate Master of Medicine (M. Med) Part I Course.
- ❑ Review of Biochemistry and Clinical Biochemistry course materials of upgrading of BMLS, B. Pham, B. Med Sciences, BOH and BDS programs.
- ❑ UPNG counter-part in collaboration with Curtin University of Technology Western Australia in the writing of the Workbooks for the Pharmaceutical Biology Biochemistry course for the Distance Education Program – Papua New Guinea Pharmaceutical Upgrade Project for the Diploma in Pharmaceutical Technical Services (by conversion of the Certificate in Pharmacy Practice).

Victor J. Temple, M. Sc., Ph. D., C. Biol., MRSB., A. S. N  
 Associate Professor in Biochemistry & Molecular Biology  
 Updated May 2019