

Annual Report - 2010

Faculty of Allied Health Sciences, University of Peradeniya

(as reported by the Dean, Dr DBM.Wickramaratne)

General

Faculty of Allied Health Sciences (FAHS) is the youngest and the 8th Faculty of the University of Peradeniya, Sri Lanka and was inaugurated on the 16th January 2007. The Faculty is now fully established in the former Dental Faculty premises, Augusta Hill, Peradeniya just 1 km away from the main campus.

This faculty is currently offering five 4 years undergraduate degree programs in Nursing and Allied Health Sciences for the qualifications of B Sc Nursing, B Sc Physiotherapy, B Sc Medical Laboratory Science, B Pharm (Pharmacy) and B Sc Radiography & Radiotherapy. The FAHS has 5 departments of study catering for each discipline. Professor C.D.A. Goonasekera who has been served as an Acting Dean of the Faculty on voluntary basis has completed his 3 years of acting assignment and returned to the Faculty of Medicine and Dr. D.B.M. Wickramaratne was elected as the new fulltime Dean for this faculty from 27.02.2010. While Dr. MPS.Mudaliga was appointed as the Head/Department of Medical Laboratory Science; Dr. K.M.S. Wimalasiri as the Acting Head/Department of Nursing; Dr. R.Jayasinghe as the Acting Head/Department of Radiography; Mr.D.T.Kodikara as the Lecturer in charge of the Department of Physiotherapy. Ms.I.U.K.Tennakoon was appointed as the Lecturer in charge/Department of Pharmacy. Mrs. C.M.N. Ranawana continued to serve as the Assistant Registrar, while Mr. S.Ratnaraj was newly appointed as Assistant Bursar of the Faculty.

There are 05 batches of students totaling 708 as at December 2010. The first batch admitted to this faculty (171 students) is now following above courses amidst the fast tracked infrastructure development process of the new faculty in parallel. Due to the initial setback of providing clinical training, the first batch will take more than 4 years to complete their degree programme. The first batch is expecting to graduate in May 2011. At present, the faculty has made collaboration with national and private hospital authorities to provide hospital based training to their students, accordingly, at present, students of this faculty are undergoing for this training programme.

The curricula of the FAHS are designed to prepare a new generation of allied health workers whilst assisting the current workforce to adapt to new knowledge to face the new challenges in modern medical practice, where, doctors, nurses, medical laboratory scientists, physiotherapists, pharmacists, radiotherapists and radiographers work in a team for quality health care delivery. Their dedication, training, ability and attitudes form the basis of quality health care.

There are sixteen permanent teachers appointed to the faculty. The faculty however, still depends very much on the good will and support extended by Deans of other faculties and their staff. Visiting lecturers both local and from overseas plays a vital role in the ongoing teaching programmes. All academic vacancies are now filled by temporary staff until such time the university administration make arrangements to have the permanent academic cadre positions filled.

a. Events in the Faculty

AHS Night

First AHS Night of the faculty of Allied Health Sciences was held on 07th August 2010 at the faculty premises organized by the Student Union of the faculty of Allied Health Sciences .The distinguished guests were the Deputy Vice Chancellor who was present on behalf of the Vice Chancellor of the University of Peradeniya, the Registrar, Bursar of the University, Dean and Assistant Registrar of the faculty. It was mainly organized to present certificates to the students who won places in the Faculty sports meet held in university grounds.

Prith Chanting & Arms giving programme

A Prith Chanting & Arms giving program was organized by the Student Union of the Faculty of Allied Health Sciences to celebrate the 4th year anniversary of the faculty inauguration on 17th & 18th July 2010 in faculty premises.

Visit of Niigata delegates to the faculty

A mutual agreement & MOU were signed between the School of Health Sciences, Niigata University and the Faculty of Allied Health Sciences, University of Peradeniya in 02.02.2010 to formulate cooperation with the faculty. A group of delegates (06 members) from the Niigata University, Japan visited the faculty on 07th December 2010 under the MoU signed between two universities and donated around Rs 9.5million worth of equipment/glassware/consumables to the Department of MLS, Department of Nursing and Department of Radiography of this faculty.

Lamp Lighting Ceremony

The 3rd Lamp lighting ceremony for the 2008/2009 batch was held on 17th December 2010. The Chief Guest was the Director of the Nursing Services of the Ministry of Health. The lamp lighting ceremony began with the procession of the Director/Nursing Education of the Ministry of Health (as Chief Guest), Faculty Assistant Registrar, , Dean of the Faculty, Head/Department of Nursing, Heads of the other four departments, permanent teachers of the faculty, guests and invitees.

The importance of the oath taking ceremony for the student nurses was highlighted by the Head of the Department of Nursing. The student nurses graciously lighted their lamps and mounted on to the stage and took their “Nightingale Pledge” which became the highlights of the event.

Opening of Exercises & Fitness Therapy Unit

The Department of Physiotherapy inaugurated its own fully equipped Exercise & fitness Therapy Unit on 13th December 2010 in faculty premise. The distinguished guests were the Vice Chancellor, Deputy Vice Chancellor, Registrar, Bursar and Directress of the Physical Education Unit of the University of Peradeniya.

The speech on importance of this unit was highlighted by Dr. H.J.Suraweera , Former academic coordinator of the Department of Physiotherapy. At present this service is extended to both students, staff of the University and expanding this facility to outdoor patients.

Career Guidance workshop

Career Guidance workshop was organized by this faculty to the final year students in end of December 2010 with the sponsorship of Baur Company Ltd, Colombo

Opening of Pharmacy Lab

The Department of Pharmacy inaugurated its Pharmacy Lab on 02nd December 2010 at the faculty premises. The distinguished guests were the Vice Chancellor, Deputy Vice Chancellor, Registrar and Bursar, project coordinator & work engineers of the University of Peradeniya. All the academic staffs, non academic staffs and all four batches of students of this faculty were participated in this opening ceremony.

At present this service is extended to both students and staff of the University. The Departments anticipates expanding this facility to outsiders in the future.

Building Programmes

The Faculty was fortunate to receive funds for construction of a two storied building. The work was completed in 2009 and the new building was opened for usage in 2010. The building now host two lecture theatres, a tutorial room, a room for the faculty IT unit, video conferencing facilities etc. the faculty e-Library is housed permanently.

Counseling Facilities

The Faculty as before extended its counseling facilities to students and staff. Drs. Wasana Jayarathna, Thushari Herath & Ms. I.U.K.Tennekoon continued to serve as faculty Councillors.

Any other important matter

- The 5th batch of student 2009/2010 had been registered in June 2010 and they are strict to follow 3+1 curriculum for their special degree programme under the scheme of revised 04 year curriculum to 3 years general and 01 additional year for special degree programme (3+1) in allied health studies by the UGC.
- The Physiotherapy service unit is functioning well
- Several permanent academic staff was recruited to the faculty.

Department of Radiography

* The Department received a used CT scanner machine from Nawaloka Hospital Ltd for student demonstration purpose.

* The Department received an X ray film viewer and several personal Dosimeters as donations from Niigata University, Japan

* The Radiotherapy students continued to attend the Cancer Hospital at Mahargama. Certain private hospitals namely Asiri Hospital (Pvt), Kandy and Hemas Hospital, Wattala were made available for the students to undergo practical training. Those hospitals have given assistance to the Department by way of conducting practical sessions to students.

* Mrs. U. Jayasekera was appointed to the department as a permanent lecturer in November 2010.

*Lecturers for few modules were conducted through video conference by Professor Paul Ravindran, radiation Oncologist from Christian Medical College, Vellore, India.

Department of MLS

*Academic staff strength of the department was increased by two members including one probationary lecturer and a senior lecturer. Computer application assistant post was also filled.

*First batch of students were able to initiate the work based learning training at the Teaching hospital, Kurunegala at the end of continuous deliberation by the relevant parties.

*Received important used laboratory equipments and some text books as a donation.

* The students offering the B.Sc MLS degree is too granted permission to access government hospitals for their laboratory training.

(b.) Achievements by staff

Awards

- Presidential Awards, 2010 for Scientific Research article published in the International Journal (*Ann. Trop. Med. Parasitol.* 97:179-185, 2003) by Dr. MPS Mudalige on July 27, 2010

Outreach Activities etc

- Mr. D.T. Kodikara/ Dept of Physiotherapy participated in a two months training programme in the University of Utrecht, Netherlands from 01st March to 30th April 2010 (to accept an appointment as a unpaid civil servant at the UMC Utrecht)
- M.H.F.Sakeena/ Dept of Pharmacy participated & presented a research paper on newly synthesized Palm oil esters for transdermal delivery of ketoprofen in 3rd International conference for young chemists (ICYC), Penang, Malaysia 2010.
- M.H.F.Sakeena/ Dept of Pharmacy participated in a conference on, Nano-delivery of NSAIDs, Genomics and molecular Biology initiative and bio-pharmacy and bio-medical meeting, Bangi, Putrajaya, Malaysia, February 2010.
- Ms. M.H.F. Sakeena/ Dept of Pharmacy 'participated in a workshop on Getting your manuscript accepted- what reviewers and editors look for'conducted by Dr.Alexander Chong Shu Chien at Institute of Graduate Studies, Universiti Sains Malaysia, Penang, Malaysia, May 2010
- Ms. M.H.F. Sakeena/ Dept of Pharmacy participated in a training programme on Presenting your Scientific findings- What your listener wants' conducted by Dr.Alexander Chong Shu Chien at Institute of Graduate Studies, Universiti Sains Malaysia, Penang, Malaysia, May 2010_
- Dilanthi R. Herath / Dept of Pharmacy participated in a Australian Pharmaceutical Science Association, Annual conference, Brisbane, Queensland, 2010, to proceeding a paper on Metabolism of beta-endorphin (β -END) in inflammatory tissue.
- Dilanthi R. Herath / Dept of Pharmacy participated in the proceedings of the Australian Pharmaceutical Science Association, Annual conference, Brisbane, Queensland, 2010 ("Binding of peptides to sample containers during storage and analysis.")
- Mr. A.C.M.Fahim / Dept of Pharmacy participated in the 9th Asia Pacific Association of Medical Toxicology Scientific Conference in November 2010, Hanoi, Vietnam
- Ms.L.C.P.T. Liyanaarachchie / Dept of Pharmacy participated in a training programme for Trainers training Programme on Clinical primacy practice Conducted in the Faculty of Medical Sciences, University of Sri Jayewardenepura.

- Ms. I.U.K. Tennakoon/ Dept of Pharmacy participated in a Workshop on bioassays for natural products research
- Dr HMTU Herath / Dept of MLS participated in a Workshop on “National convention on student discipline anti-ragging and anti-violence” (May, 2010) organized by the UCG and the Committee of Vice-Chancellors and Directors (CVCD) At Sri Lanka Foundation Institute.
- Dr HMTU Herath / Dept of MLS participated in a Workshop on Student counselors on “Implementation of reproductive Health awareness & counseling” (July, 2010) organized by the University of Peradeniya with the amalgamation of Youth Friendly service centre.
- Dr HMTU Herath / Dept of MLS participated in a Workshop on “Implementation of reproductive health awareness and counseling programmes for University students” (July, 2010) Organized by the student counselors of University of Peradeniya & Youth friendly Service centre, Kandy, Sri Lanka.

(C) Foreign Scholars/ Visitors to the faculty etc.

Department of Radiography

- a. Academic staff (Dean and the two professors) from the Niigata University, Japan visited in December 2010 to formulate cooperation with the Department of Radiography
- b. Dr Christine Ferris , Research Coordinator from Sheffield Hallam University, United Kingdom examined research carried out by some students during a visit to the country

Department of Physiotherapy

- a. Mrs. Joshe, a Sports Physiotherapist from Holland visited to the Department of Physiotherapy

Department of Pharmacy

Honorary Visiting Lecturer

Dr. Ian David Coombes and Mrs. Judith Ann Coombes from Australia worked as Honorary Visiting Senior Lecturers w.e.f. 09th July 2010.

2. List of publications by Academic staff members during the year 2010

1. Ms. M.H.F. Sakeena (Lecturer Probationary / Dept. of Pharmacy)

- **M.H.F.Sakeena**, Yam M.F., Elrashid S.M., Munavvar, A.S., Azmin,M.N. Anti-inflammatory and Analgesic effects of Ketoprofen in Palm Oil Esters Based Nanoemulsion. Journal of Oleo science. 59 (12);667-671 (2010)
- **M.H.F.Sakeena**, Elrashid S.M., Muthanna F.A., Ghassan Z.A., Kanakal M.M., Munnnavar A.S., Azmin M.N. Effect of Limonene on Permeation Enhancement of Ketoprofen in Palm Oil Esters Nanoemulsion. Journal of Oleo Science. 59 (7); 395-400.
- **M.H.F.Sakeena**, Muthanna F.A., Ghassan Z.A., Kanakal M.M.,Elrashid S.M.,Munavvar A.S.,Azmin M.N. Formulation and *in-vitro* Evaluation of Palm Oil Esters Nanoemulsion for Topical Delivery. Journal of Oleo Science. 59 (4); 223-228 (2010).

2. Ms. H.M.D.R. Herath (Dept. of Pharmacy)

- Effect of ionization suppression by trace impurities in mobile phase water on the accuracy of quantification by HPLC-MS, **H.M.D.R. Herath**, P.N. Shaw, P. Cabot, A. K. Hewavitharana, Rapid Communications in Mass Spectrometry, 2010; 24: 1502 -1506.
- Effect of solvent and electrospray mass spectrometer parameters on the charge state distribution of peptides – a case study using liquid chromatography/mass spectrometry method development for beta-endorphin assay, A. K. Hewavitharana¹, **H. M. D. R. Herath**, P. N. Shaw, P. J. Cabot and P. Kebarle, Rapid Communications in Mass Spectrometry, 2010; 24: 3510–3514.
- **Conference Abstracts**
 - Metabolism of beta-endorphin (β -END) in inflammatory tissue. **Dilanthi R. Herath**, Amitha K. Hewavitharana, Peter j. Cabot, P. Nicholas Shaw, In proceedings of the Australian Pharmaceutical Science Association, Annual conference, Brisbane ,Queensland, 2010, p.131.
 - Binding of peptides to sample containers during storage and analysis. Ryung-Rae Kim, Amitha K. Hewavitharana, **Dilanthi R. Herath**, Peter J. Cabot, P. Nicholas Shaw, In proceedings of the Australian Pharmaceutical Science Association, Annual conference, Brisbane ,Queensland, 2010, p118.

3. **Mr. A.C.M. Fahim (Lecturer probationary / Dept. of Pharmacy)**

- Moffatt A, **Mohammed F**, Eddleston M, Azher S, Eyer P, Buckley NA. Hypothermia and Fever After Organophosphorus Poisoning in Humans—A Prospective Case Series. *J. Med. Toxicol.* (2010) 6:379–385
- Dawson AH, Eddleston M, Senarathna L, **Mohamed F**, Gawarammana IB, Bowe SJ, Manuweera G, Buckley NA. Acute Human Lethal Toxicity of Agricultural Pesticides: A Prospective Cohort Study. *PLoS Med* 7(10): e1000357. doi:10.1371/journal.pmed.1000357
- Gawarammana IB, **Mohamed F**, Bowe SJ, Rathnathilake A, Narangoda SK, Azher S, Dawson AH, Buckley NA. Fructose-1, 6-diphosphate (FDP) as a novel antidote for yellow oleander-induced cardiac toxicity: A randomized controlled double blind study. *BMC Emergency Medicine* 2010, 10:15
- Gawarammana IB, Roberts DM, **Mohamed F**, Roberts MS, Medley G, Jayamanne S, Dawson A. Acute human self-poisoning with bispyribac-containing herbicide Nominee: a prospective observational study. *Clin Toxicol (Phila)* 2010 Mar;48(3):198-202
- **Mohamed F**, Perera A, Wijayaweera K, Kularatne K, Jayamanne S, Eddleston M, Dawson A, Konradsen F, Gunnell D. The prevalence of previous self-harm amongst self-poisoning patients in Sri Lanka. *Soc Psychiat Epidemiol* (2010)
- Roberts DM, Buckley NA, **Mohamed F**, Eddleston M, Goldstein DA, Mehrsheikh A, Bleeke MS, Dawson AH. A prospective observational study of the clinical toxicology of glyphosate-containing herbicides in adults with acute self-poisoning. *Clinical Toxicology* (2010) Early Online, 1–8

4. **Dr.M.P.S. Mudalige (Senior Lecturer/Dept. of MLS)**

- R.A.S.H. Rajapakse and **M.P.S. Mudalige**. Preliminary study on the determination of the prevalence of intestinal parasitic infections among the children in Rajawaththa village, Peradeniya. *PURSE* 2010,(15):95-97

5. **Ms. C.K.Gunawardena (Lecturer Probationary/Dept. of MLS)**

- **Gunawardena, C.K.**, R. T. Zijlstra, L. A. Goonewardene and E. Beltranena. 2010. Protein and starch concentrates of air-classified field pea and zero tannin faba beans for weaned pigs. *J. Anim. Sci.* 88:2627-2636
- **Gunawardena, C. K.**, R. T. Zijlstra, and E. Beltranena. 2010. Characterization of the nutritional value of air-classified protein and starch fractions of field pea and zero-tannin faba bean in grower pigs. *J. Anim. Sci.* 88:660-670.

6. **Dr. H.M.T.U HERATH (Senior Lecturer/Dept. of MLS)**

* **HERATH H.M.T.U.**, L. DI SILVIO and J.R.G. EVANS.

“In vitro evaluation of samarium (III) oxide as a bone substituting material”
Journal of Biomedical and Material Research A: 2010; 94:130–136

* **HERATH H. M. T. U.**, L. DI SILVIO and J.R.G. EVANS.

“Biological Evaluation of Solid Free-formed Hard Tissue Scaffolds for Orthopaedic Applications”. *Journal of Applied Biomaterials and Biomechanics* 2010;8(2):89-96.

* JAYASUNDARA J.M.N.C., R.P.V.J. RAJAPAKSE and **H.M.T.U. HERATH**

“The scope of evaluation of Biocompatibility of custom made Bio-prostheses”
Proceedings of the Annual symposium of General Sir John Kothalawela Defense University of Sri Lanka. (Extended abstract) 2010 ; 01:69.

7. **Dr. Yatawara (Senior Lecturer/Dept. of MLS)**

- **Yatawara L**, Wickramasinghe S, Rajapakse RP, Agatsuma T (2010). The complete mitochondrial genome of *Setaria digitata* (Nematoda: Filarioidea): Mitochondrial gene content, arrangement and composition compared with other nematodes. *Molecular Biochemical Parasitology*. 173 (1): 32-38.
- Morphological molecular characterization of *Paragonimus westermani* in northeastern India (2010). Devi KR, Narain K, Agatsuma T, Blair D, Nagataki M, Wickramasinghe S, **Yatawara L**, Mahanta J. *Acta Tropica*.116(1):31-8.

3. Statistics

a. Research and Publications by Academic Staff – 2010

	Nos.	
Local Refereed	02	(Dept of Radiography)
Local Non Refereed	
Foreign Refereed	03	(Dept of Pharmacy)
Foreign Non Refereed	06	(Dept of MLS)
Abstracts	02	(Dept of MLS)
Books	
Analytical Article	01	(Dept of Nursing)
Others (specify)	10	(01-Dept of Pharmacy) Scientific Poster presentation - 41 st AGM of Pharmaceutical society of Sri Lanka, <u>Observational Study of Community Pharmacy Practice in Peradeniya Town in Relation to Good Pharmacy Practice</u> ", LIYANAARACHCHIE L.C.P.T. Department of Pharmacy, Faculty of Allied Health Sciences, University of Peradeniya, Sri Lanka

(09 -Dept of MLS) -Poster presentations that involved final year students as authors

b. Postgraduate Degrees Completed by Academic Staff

	Local	Foreign
Postgraduate Diploma	-	-
MA/M.Sc.	-	01(Pharmacy)
M Phil	-	-
PhD	-	-
Others (specify)	-	-

c. Staff Participation at Workshops/Seminars etc. by Academic Staff – 2010

	Conducted in the Faculty	Number of members attended	
		Local	Foreign
Seminar			-
Workshop	<p>01.Workshop on'First aid & CPR</p> <p>02.Workshop on differently abled: held on the World's Disability day(02 member from Dept.of Physiotherapy)</p> <p>03.Workshop on Career Guidance held on 11.12.2010</p> <p>04. Work Shop on "Project Proposal Writing & Presentation"</p> <p>05. Consultative Workshop on "Distance Education for Nursing and Allied Health Professional"</p> <p>06. Workshop on Occupational Health conducted by Faculty of Medicine, UPDN (28-29th June 2010)</p>	03 02 12 09 10 02	
Conference	-	-	
Symposium	-	-	-
Link Programme	Niigata University staff visit	04	02
Training Programme	01. Academic staff development programme, conducted by Staff development centre, University of Peradeniya	05	-

