

CURRICULUM VITAE

Name : SOLLEH BIN RAMLI
Address : No 5 Jalan Penyiaran 42,
Taman Universiti,
81300 Skudai, Johor.
Tel : 013-2096010
Email : solleh@ibd.utm.my
Date of Birth : 03 July 1982
Marital Status : Married
Nationality : Malaysia



EDUCATION

Jul 2005 – Jun 2006 **Advanced Manufacturing Intitute (AMI)**
Industry Skills Enhancement Program (INSEP)
Course: Herbal Plantation and Processing Technology.

May 2001 – Nov 2004 **Universiti Putra Malaysia**
Bachelor Sains (Biotechnology). CGPA 2.586
Minor : Environment.

Jan 2000 – Mar 2001 **Kolej Matrikulasi Negeri Sembilan**
Pure Science. CGPA 2.69

Feb 1998 – Dec 1999 **Maktab Rendah Sains MARA Kuala Terengganu**
Sijil Pelajaran Malaysia. 14 Aggregate

Dec 1994 – Feb 1998 **Sekolah Menengah Kebangsaan Bunut Susu**
Penilaian Menengah Rendah. 6A, 1B, 1C

WORK EXPERIENCE

April 2012 – Present **Research Officer at IBD, UTM** : Working under Bioprocess unit for operate, maintenance and troubleshooting BIOENGINEERING Bioreactor 16L, 150L and 1500L.

July 2010 – March 2012 **Research Officer Assistant at IBD, UTM** : Working under Bioprocess unit for operate, maintenance and troubleshooting BIOENGINEERING Bioreactor 16L, 150L and 1500L.

July 2009 – Jun 2010 **Research Officer Assistant at CEPP, UTM** : Working under Bioprocess unit for Production of *pichia pastoris* by using bioreactor 1500L, centrifuge cell, make formulation and spray dry cell until get the powder of product.

July 2007 – July 2009 **Research Student, CEPP,UTM**_Doing research on Solid State Fermentation for making fish meal by using Effective Microorganism.

03 rd July 06 – 30 th Jun 07	Research Officer Assistant at CEPP, UTM : Working under microbiology unit for Production of natural vinegar, and encapsulation of probiotic. Also involve in running bioreactor and spray dry.
05 th Dec 05 – 30 th Jun 06	<p>Training at CEPP, UTM : Microbiology analysis for herbal and cosmetic product, fermentation process with BIOENGINEERING Bioreactor (16L, 150L and 1500L), and Spray dry technique for encapsulation probiotic. Besides that, I also assisted various projects which were using bioreactor.</p> <p>Part time as guider at Ledang Resort : guide climber to summit Ledang Mountain and handle a few games (Flying Fox, obstacle course and wall climbing)</p>
18 th Mac – 18 th Mei 2003	Training at Chemistry Pathology Laboratory, in University Science Malaysia Hospital (HUSM) : Analysis patient serum, urine and stool.

PERSONAL CHARACTERISTIC

Personal Qualities	I have been described as open minded highly motivated and enjoy meeting people at all level
Preferred Work Style	I prefer to work in a fairly organized environment, where my performance can be measured with some accuracy. I would like to think that I am an ambitious and result oriented person, yet realistic about my chances of completing a task successfully. I also can work in a team or independently. I look forward to learn much more.
Executive Qualities	Have been join in some organized as AJK, I enjoy taking on decision making in various capacities.
Computer Knowledge	Microsoft Office (Words, Power Point, Excel), Origin, Statistica and Minitab
Curricular Activities	Committee Member of Majlis Tertinggi Mahasiswa of 14 th College UPM in Recreation Secretariat for 2 years.

AREAS OF EXPERTISE

BIOPROCESSING TECHNOLOGY

I am graduated from Universiti Putra Malaysia (UPM) in Bachelor of Science (Biotechnology). After that I joint the Industry Skills Enhancement Program (INSEP) in course Herbal Plantation and Processing Technology at Advance Manufacturing Institute (AMI) for 1 year. My knowledge competency is in Biochemistry, Calculus, and Statistic for applied sciences, Organic Chemistry, Microbiology, Fermentation Process, Waste Treatment, Wastewater Treatment, Herbal Plantation and Bioprocessing Technology. My research interest generally compromises the application of bioprocess strategies to improve productivity through combination of the optimization of the medium composition and process variables, and scaling up study of bacteria, yeast, fungi and mushroom fermentation. I specializes in operating, maintenance and troubleshooting of 16L, 150L and 1500L Bioengineering ® Bioreactor either automatic or manual system operation. My

experience 7 years in handling bioreactor at Institute of Bioproduct Development or former known as Chemical Engineering Pilot Plant. I also have the experience in operation spray dry for production of some encapsulation bacteria.

PROJECT ACTIVITIES

- 1. Production Of *Hendersonia sp.* In Bioreactor 1500L : A Novel Strain Applied For Biological Control Of Oil Palm Disease: 2011 - present**
All Cosmos Industries Sdn Bhd
PLO 442, Jln Suasa, Pasir Gudang Industrial Estate,
81700 Pasir Gudang
- 2. Optimization Of Bioreactor Cultivation Process For Mass Production Of *Hendersonia sp.* : A Novel Strain Applied For Biological Control Of Oil Palm Disease: 2010 – 2011**
All Cosmos Industries Sdn Bhd
PLO 442, Jln Suasa, Pasir Gudang Industrial Estate,
81700 Pasir Gudang
- 3. High Efficiency Inoculum Preparation Of *Pleurotus ostreatus* “Cendawan Tiram” Using Medium Optimisation Strategy :2010**
MY Organic Mushroom Sdn Bhd.
No.18, Jalan Murni 7, Taman Suria,
81100 Johor Bahru.
- 4. Production of Duck Pasteurella Vaccine in Bioreactor 1500L: 2010 - present**
One-Biotech Sdn. Bhd.
42-2-2A &42-2-2B, Jalan Medan PB2B
Seksyen 9, Pusat Bandar Baru Bangi
Selangor Darul Ehsan.
- 5. Developing industrial platform for mass production of the aerobic bacteria for nitrogen fixation to improve biofertilizers formulation: 2009-2011**
All Cosmos Industries Sdn Bhd
PLO 442, Jln Suasa, Pasir Gudang Industrial Estate,
81700 Pasir Gudang
- 6. Process Optimization and production of Recombinant Protein (TMOF) by *Pichia pastoris*: 2008-2010**
EntoGeneX Industries Sdn Bhd
9th. Floor, Wisma Antah,
Changkat Semantan,
Damansara Heights, 50490 Kuala Lumpur
- 7. Encapsulataion of *Vibrio Cholera* with spray dryer : 2008**
Department of Medical Microbiology and Parasitology,
School of Medical Sciences, Health Campus.Universiti Sains Malaysia,
16150 Kubang Kerian, Kota Bahru
- 8. Production of Duck Vaccine in Bioreactor 1500L: 2007-2008**Malaysian Vaccines and Pharmaceuticals Sdn. Bhd.
UKM-MTDC Smart Tech.Centre,
43400 UKM. Selangor.

9. Study on Different Carbon Source in Production of Xantham Gum By *Xhantamonas* in Bioreactor 16L : 2006

Dr Maryamni

Fakulti Kejuruteraan Kimia dan Kejuruteraan Sumber Asli

Universiti Teknologi Malaysia

TRAINING

3 May 2012	Workshop On Measurement And Control In Bioprocess Industry , at Institute of Bioprocess Development (IBD), UTM
4 April 2012	Atomic Force Microscopy For Biological Applications Seminar , at Institute of Bioprocess Development (IBD), UTM
10 October 2011	Water Treatment Course by JZ Water Resources Sdn. Bhd., at Institute of Bioprocess Development (IBD), UTM
26 – 27 October 2010	2 Day Workshop On Value Creation , Chemical Engineering Pilot Plant, UTM
12 – 23 July 2010	Bioprocess Engineering and Biofactories (Processes, Facility Design and Regulation) , Chemical Engineering Pilot Plant, UTM
2 June 2010	Industrial Wastewater Treatment Workshop – jointly organized by UTMBacTec and Department of environment Malaysia, Johor Branch at Faculty of Science, UTM
19 – 20 August 2009	Scientific Writing Workshop – organized by Research Alliance on Biotechnology
17 – 18 Mar 2006	Certificate of Attendance Seminar Kesedaran Bidang Bioteknologi Dan Herbal at Seroja Seminar Room, Chemical Engineering Pilot Plant (CEPP)
13 – 17 Feb 2006	Certificate of Attendance Pilot Plant Week at Jasmine Seminar Room, Chemical Engineering Pilot Plant (CEPP)
16 – 17 Jan 2006	Certificate of Attendance a two day hands on Herbal Product Formulations at Jasmine Seminar Room, Chemical Engineering Pilot Plant (CEPP)
27 - 29 Dec 2005	Certificate of Attendance a three day hands on course on Household and Personal Care Product Formulations at Jasmine Seminar Room, Chemical Engineering Pilot Plant (CEPP)
5 Sept – 18 Nov 2005	Certificate of Commercial Herbal Cultivation and Processing Technology by Forest Research Institute Malaysia (FRIM), Advanced Manufacturing Institute (AMI) and Malaysian Herbal Corporation (MHC) at FRIM.

PUBLICATIONS

1. Othman, N.Z, **Ramli.S.**, Masri, J.H., Sarmidi, M.R, Aziz, R, Tran, T.T ,Hatikaul.R., El Enshasy, H.A. (2012). Effect of pH and aeration on plasmid stability and phytase expression in *Escherichia coli* BL21(DE3) during batch cultivations in semi-scale bioreactor. American Institute of Chemical Engineers.(AIChE).ISBN:978-081691071-7
2. Othman, N.Z ,Chan,Y.S., Malek, R.A, **Ramli, S**, Ismail, N.S, Sarmidi, M.R, Aziz, R, El Enshasy, H.A (2012). Bioprocess optimization for cell mass production and functional characterisation of *Lactobacillus plantarum*. American Institute of Chemical Engineers.(AIChE).ISBN:978-081691071-7
3. Then,C, ,Othman, N.Z, Malek, R.A , Peng, T, Chang, H.W, Sukumaran,S, Wan Mustapha, W.A, **Ramli, S**, Saat, M, Sarmidi, M.R, Aziz, R, El Enshasy, H.A (2012). High cell density cultivation of *Azotobacter vinelandii* in pilot scale stirred tank bioreactors for biofertilizer applications. American Institute of Chemical Engineers.(AIChE).ISBN:978-081691071-7
4. Azman, M.D, El Enshasy, H.A, Malek, R.A, Othman, N.Z, Peng, T, Idris, A, Then, C, Chang, H.W, Sukumaran, S, Wan Mustapha, W.A, **Ramli, S**, Sarmidi, M.R, Aziz, R. (2012). Optimization Of Bioreactor Cultivation Process For Mass Production Of *Hendersonia* sp. : A Novel Strain Applied For Biological Control Of Oil Palm Disease. 4th International conference on Biotechnology for the wellness industry and wellness industry exhibition. 20-21 June 2012. Hotel Renaissance Convention Centre, KL.
5. Aman Nor, N.F, Abdul Hamid, M, Mokhtar, T.H, **Ramli, S**, Abd Malek, R, Mohamed, M.F, Shamsul Anuar, N, Ngadiran, S, and Sarmidi M.R.,. (2012). The Quality Factors of Non-heated Virgin Coconut Oil (VCO) using the Upgraded Intergrated Wet Process. 4th International conference on Biotechnology for the wellness industry and wellness industry exhibition. 20-21 June 2012. Hotel Renaissance Convention Centre, KL.
6. T. S. Chin, H. A. El Enshasy, R. A. Malek, N. Z. Othman, **S. Ramli**, M. R. Sarmidi, R. A. Aziz. (2010). Cell Mass Production of Biotherapeutic Yeast *Saccharomyces boulardii* in Batch and Fed-batch Cultivation Systems. 3th International conference on Biotechnology for the wellness industry and wellness industry exhibition. 8-9 October 2010. PWTC.KL
7. N.Othman, I. M. Shahril, **S. Ramli**, R. A.Malek, N. Mohd. Noor, M. R. Sarmidi, R.Abd Aziz. (2010). Isolation of Acetic Acid Bacteria from Vinegar and its Application for Over-production of Natural Vinegar from Pineapple. Biodiversity and Biotechnology Symposium 2008, Kuching, Sarawak, 19 – 21 November, 2008
8. **S. Ramli**, Firdausi, M. R. Sarmidi. (2008). Physico-chemical Characteristic and Microbial Profile of Fish Feed Composting by Using Effective Microorganisms (EM). 1st International Conference on Biotechnology for the Wellness Industry 2008, PWTC Kuala Lumpur, 5-6 August 2008.
9. N.Othman, I. M. Shahril, **S. Ramli**, R. A.Malek, N. Mohd. Noor, M. R. Sarmidi, R.Abd Aziz. (2008). Encapsulation in Carbohydrate- Protein- Coconut Oil Emulsion Improved Survival of the Probiotic *Lactobacillus bulgaricus* During Drying, Under Simulated Gastrointestinal Condition and Storage. 1st International Conference on Biotechnology for the Wellness Industry 2008, PWTC Kuala Lumpur, 5-6 August 2008.
10. N.Othman, I. M. Shahril, **S. Ramli**, R. A.Malek, N. Mohd. Noor, M. R. Sarmidi, R.Abd Aziz. (2007). Effect of Coconut Oil Emulsion on Encapsulation of *Lactobacillus bulgaricus* and Survival In Simulated Gastrointestinal Conditions. 10th ASEAN Food Conference 2007, 21-23 August 2007.

REFERENCES

Prof. Ramlan Abdul Aziz

Director

Institute of Bioproduct Development (IBD),
Universiti Teknologi Malaysia,
81310 UTM Skudai, Johor Darul Takzim
Tel: 07-5536476
e-mail: ramlan@ibd.utm.my

Prof. Dr. Rer. Nat. Hesham A. El Enshasy

Assistant Director (Research & Innovation)
Institute of Bioproduct Development (IBD),
Universiti Teknologi Malaysia,
81310 UTM Skudai, Johor Darul Takzim
Tel: 07-5536480
e-mail: henshasy@ibd.utm.my

Ms Roslinda Abdul Malek

Research Officer

Institute of Bioproduct Development (IBD),
Universiti Teknologi Malaysia,
81310 UTM Skudai, Johor Darul Takzim
Tel: 07-5531571
e-mail: roslinda@ibd.utm.my