

CURRICULUM VITAE (CV)



A. MAKLUMAT PERIBADI PERSONAL INFORMATION

1. **NAMA PENUH** : **SHAHREEN BINTI KASIM**
FULL NAME
2. **GELARAN** :
DESIGNATION
3. **NO. K/P** :
ID CARD NO. 810923-016532
4. **TARIKH LAHIR** : 23 SEPTEMBER 1981
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5. **TEMPAT LAHIR** : KLUANG
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6. **JAWATAN** : PENSYARAH KANAN
OCCUPATION
7. **WARGANEGARA** : MALAYSIA
NATIONALITY
8. **ALAMAT** : 62, JALAN SERAI, TAMAN SRI TENGAH,
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B. KELAYAKAN AKADEMIK
ACADEMIC QUALIFICATIONS

TAHUN YEAR	UNIVERSITI UNIVERSITY	KELULUSAN QUALIFICATION
2011	UNIVERSITI TEKNOLOGI MALAYSIA	DOKTOR FALSAFAH (SAINS KOMPUTER)
2005	UNIVERSITI TEKNOLOGI MALAYSIA	SARJANA SAINS (TEKNOLOGI MAKLUMAT))
2003	UNIVERSITI TEKNOLOGI MALAYSIA	IJAZAH SARJANA MUDA SAINS KOMPUTER

C. BIDANG KEPAKARAN
FIELD OF EXPERTISE

RESEARCH IN COMPUTATIONAL INTELLIGENCE: FUZZY, ONTOLOGY

RESEARCH IN COMPUTATIONAL BIOLOGY: GENE EXPRESSION ANALYSIS, PROTEIN ANNOTATION PREDICTION

D. KEAHLIAN PROFESIONAL
PROFESSIONAL MEMBERSHIPS

BIL. NO.	TAHUN YEAR	BADAN PROFESIONAL PROFESSIONAL BODY/SOCIETY
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E. HASIL PENULISAN DAN PENERBITAN
PUBLICATIONS

- Hazalila Kamaludin, **Shahreen Kasim**, Norhanim Selamat and B. C. Hui, "M-Learning Application for Basic Computer Architecture", International Conference on Innovation, Management and Technology Research (ICIMTR2012), Malacca: 21-22 May, 2012.
- Nadhiya N. Mohammad, Ismail M. Amin, Razib M. Othman, Hishammuddin Asmuni, Rohayanti Hassan, **Shahreen Kasim**, "Design and Implementation

- of Product Structure Ontology”. In Mohammad Nazir Ahmad, Robert M. Colomb, Mohd Syazwan Abdullah (eds), *Ontology-Based Applications for Enterprise Systems and Knowledge Management: xxx-xxx*. ISBN xxx. IGI Publication.
3. Kalsum U. Hassan, Razib M. Othman, Rohayanti Hassan, Hishammuddin Asmuni, Jumail Taliba, **Shahreen Kasim**, “BRNN-SVM: Increasing the Strength of Domain Signal to Improve Protein Domain Prediction Accuracy”. In Mahmoud ElHefnawi and Mohamed Mysara (eds), *Recurrent Neural Network: 133-150*. ISBN 978-953-51-0409-4. InTech Publication.
 4. Rohayanti Hassan, Razib M. Othman, Puteh Saad, **Shahreen Kasim**, “A compact hybrid features vector for an accurate secondary structure prediction”. *Information Sciences (Elsevier)*, 181(23): 5267-5277. [Impact Factor 2011: 2.833].
 5. Surayati Ismail, Razib M. Othman, **Shahreen Kasim**, Rohayanti Hassan, Hishammuddin Asmuni, Jumail Taliba. “Pairwise Protein Substring Alignment with Latent Semantic Analysis and Support Vector Machines to Detect Remote Protein Homology”. *International Journal of Bio-Science and Bio-Technology*, 3(3): 17-34. September, 2011. ISSN: 2233-7849.
 6. Firdaus M. Abdullah, Razib M. Othman, **Shahreen Kasim**, Rathiah Hashim, Rohayanti Hassan, Hishammuddin Asmuni, Jumail Taliba. “An Optimal Mesh Algorithm for Remote Protein Homology Detection”. *International Journal of Bio-Science and Bio-Technology*, 3(2): 13-38. June, 2011. ISSN: 2233-7849.
 7. **Shahreen Kasim**, Safaai Deris, Razib M. Othman, Rathiah Hashim, “Biological-based Semi-supervised Clustering Algorithm to Improve Gene Function Prediction”. *Journal of Computing*, 3(4): 1-11. (2011). ISSN: 2151-9617. [Library of Congress, USA; Impact Factor 2008: 0.21]
 8. Firdaus M. Abdullah, Razib M. Othman, **Shahreen Kasim**, Rathiah Hashim. “An Optimal Mesh Algorithm for Remote Protein Homology Detection”. In Kim T.-h., Adeli H., Robles R.J., and Balitanas M. (eds), *Communications in Computer and Information Science: Ubiquitous Computing and Multimedia Applications 151(Part 2)*: 471-497 (2011).
 9. Surayati Ismail, Razib M. Othman, **Shahreen Kasim**. “Pairwise Protein Substring Alignment with Latent Semantic Analysis and Support Vector Machines to Detect Remote Protein Homology”. In Kim T.-h., Adeli H., Robles R.J., and Balitanas M. (eds), *Communications in Computer and Information Science: Ubiquitous Computing and Multimedia Applications 151(Part 2)*: 526-546 (2011).
 10. **Shahreen Kasim**, Safaai Deris, Razib M. Othman, “A New Computational Framework for Gene Expression Clustering”. In Cao L., Feng Y., and Zhong J. (eds), *Lecture Notes in Computer Science: Advanced Data Mining and Applications 6440* (2010): 603-610.
 11. Rosfuzah Roslan, Razib M Othman, Zuraini A Shah, **Shahreen Kasim**, Hishammuddin Asmuni, Jumail Taliba, Rohayanti Hassan, Zalmiyah Zakaria, “Incorporating Multiple Genomics Features With The Utilization Of Interacting Domain Patterns To Improve Protein-Protein Interactions Prediction”. *Information Sciences*, 180(20): 3955-3973. (2010). ISSN: 0020-0255. [Elsevier; impact factor 2008: 3.095]
 12. Rosfuzah Roslan, Razib M. Othman, Zuraini A. Shah, **Shahreen Kasim**, Hishammuddin Asmuni, Jumail Taliba, Rohayanti Hassan, Zalmiyah Zakaria, ” Utilizing shared interacting domain patterns and Gene Ontology information to improve protein-protein interaction prediction”. *Computers in Biology and Medicine*, 40 (6): 555-564. (2010). ISSN: 0010-4825. [Elsevier; impact factor 2008: 1.272]
 13. **Shahreen Kasim**, Safaai Deris, Razib M. Othman, Zuraini S. Ali, Rohayanti

- Hassan, "Gene Ontology Based Biclustering In Gene Expression Data", In Proc 3rd Int'l Conf Chemical & Bioprocess Engineering (ICCBPE'09), 12-14 August 2009, Kota Kinabalu, Sabah. P 21-25.
14. **Kasim, S.**, Deris, S., Othman, R. M. (2008). The Incorporation of Biological Knowledge in Gene Expression Analysis: A Review. In Deris, S. (Eds.) Trends and Directions in Bioinformatics. 1. (pp. 95-147), Johor, Malaysia: UTM Publisher. ISBN: 978-983-52-0622-1.
 15. **Shahreen Kasim**, Safaai Deris, Razib M. Othman, Zuraini S. Ali, Rohayanti Hassan, "Incorporating Gene Ontology with Conditional-based Clustering to Analyze Gene Expression Data", Proceedings of the 5th Postgraduate Annual Research Seminar (PARS'09), 17th -19th June 2009, University Teknologi Malaysia, Skudai.
 16. Azmee Awang, **Shahreen Kasim**, Safie Mat Yatim, M. Asri Pahorudin and M. Razib Othman, Concurrency Control in Collaborative 3D Protein Structure Visualization Environment, 2nd National Conference On Computer Graphics & Multimedia, 8th-9th December 2004, Kuala Lumpur.
Zuraini Ali Shah, **Shahreen Kasim**, M. Razib Othman and Safaai Deris, Interface Definition Language and Object Request Broker for Integration of Distributed Heterogeneous Bioinformatics Software, 2nd National Conference On Computer Graphics & Multimedia, 8th-9th December 2004, Kuala Lumpur.
 17. Zuraini Ali Shah, Muhamad Razib Othman, **Shahreen Kasim**, Zalmiyah Zakaria and Safaai Deris, Component-Based and Web Technology for Bioinformatics Application Development, Malaysian Science and Technology Congress, 5th-7th October 2004, Palace of The Golden Horses, Seri Kembangan , Selangor.
 18. Azmee Awang, Safaai Deris, Safie Mat Yatim and **Shahreen Kasim**, Molecular Surfaces Comparison Method based on Vector Spatial Arrangement, 2nd National Conference On Computer Graphics & Multimedia, 8th-9th December 2004, Kuala Lumpur.

F. PERUNDINGAN
CONSULTANCIES

G. ANUGERAH
AWARDS