

# Suganthi

## Appalasaamy



### Contact

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**Google Scholar:**

<https://scholar.google.com/citations?user=Oula1PcAAAAJ&hl=en>

**Scopus ID:**

<https://www.scopus.com/authid/detail.uri?authorId=56031331300>

**OrcID:**

<https://orcid.org/0000-0003-2726-4340>

### Languages

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English – ★★★★★☆

Malay – ★★★★★☆

Tamil – ★★★★★☆

### Summary

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Result-oriented professional with 7+ years of experience and a proven knowledge of planning, leading team for data collection, mapping, identification and analysis using molecular tools for environmental and forestry specimens

### Skill Highlights

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- Project management
- Strong decision maker
- Complex problem solver
- Diligent
- Innovative
- Service-focused

### Experience

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**Senior Lecturer and Research Fellow** - 02/2015 to current  
**Universiti Malaysia Kelantan**, Jeli, Kelantan, Malaysia

- Conduct research in a particular field of knowledge and publish findings in books, professional journals and electronic media.
- Develop project concepts and maintain optimal workflow.
- Write grant proposals to procure external research funding.
- Supervise undergraduate or graduate teaching, internship and research work.
- Provide professional consulting services to government and industry.

### Education

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Bachelor of Science: **Resource Biotechnology** - 2009  
**Universiti Malaysia Sarawak**, Sarawak.

Doctor of Philosophy: **Plant Biotechnology** – 2014  
**Universiti Sains Malaysia**, Pulau Pinang.

### Certifications

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Graduate Technologist  
Professional Technologist  
Bioinformatics tools  
ArGIS software

### SENARAI GERAN PENYELIDIKAN

	GERAN	JUMLAH	AGENSI	TAHUN
1	TAN SRI FNG	RM20,000	TAN SRI FNG-UMK	2020
2	PROGRAM INVENTORI SPESIMEN KEBANGSAAN	RM15,000	KEMENTERIAAN TENAGA DAN SUMBER ASLI	2020
3	UMK-MOF SOCIAL ENTERPRISE PROJECT	RM175,000	KEMENTERIAAN KEWANGAN	2020
4	GEF SMALL GRANTS PROGRAMMAE	RM160,000	UNITED NATION DEVELOPMENT PROGRAMME (UNDP)	2020
5	RUFFORD SMALL GRANT	RM20,000	RUFFORD	2019
6	FRGS	RM116,250	KEMENTERIAAN PENDIDIKAN TINGGI	2019
7	SGJP IMPAK	RM29,280	UMK	2019
8	SGJP PADANAN	RM20,000	UMK-USM	2018
9	SGJP-MyRA	RM31,224.93	UMK	2018
10	SGJP-MyRA	RM20,000	UMK	2018
11	SGJP INSPEK	RM18,000	UMK	2017
12	PPRN	RM32,500	KEMENTERIAAN PENDIDIKAN TINGGI	2017
13	TRGS	RM275,000	KEMENTERIAAN PENDIDIKAN TINGGI	2016
14	FRGS	RM77,000	KEMENTERIAAN PENDIDIKAN TINGGI	2016
15	SGJP	RM15,104	UMK	2016
16	FRGS	RM39,000	KEMENTERIAAN PENDIDIKAN TINGGI	2015
17	PENYELIDIKAN JANGKA PENDEK GIANT PANDA	RM150,000	KEMENTERIAAN TENAGA DAN SUMBER ASLI	2015

### SENARAI PELAJAR SARJANA ANTARABANGSA

	NAMA PELAJAR	UNIVERSITI	TAHUN
1	S. Shaheen (Msc Nano Biotechnology)	Sri Venkateswara University, India	2018

### PENYELIAAN PELAJAR SARJANA DAN KEDOKTORAN

	NAMA PELAJAR	PHD/MSC	GRADUATED	MAIN/CO SV
1	Alia Diyana Mohamed Hassim	MSC	2020	MAIN SV
2	Dee Koh Han	MSC	2019	CO SV (GOT)
3	Siti Nor Aini Md Nasir	MSC	2020	CO SV
4	Nivarani Arumugam	PHD	ON GOING	MAIN SV
5	Muhammad Aminuddin Baqi Hasrizal Fuad	MSC	ON GOING	CO SV
6	Muhammad Hafiz Mohd Yazid	MSC	ON GOING	CO SV
7	Liew Jing Xian	MSC	ON GOING	CO SV
8	Hazirah Burkhan	PHD	ON GOING	CO SV (USM)
9	Bibi Zafirah Zakii	MSC	ON GOING	CO SV
10	Mohamad Nur Arifuddin Mad Yusof	MSC	ON GOING	CO SV

## SENARAI PENILAI PRE VIVA SARJANA

	NAMA PELAJAR	FAKULTI	TAHUN
1	Akrimah Yusof (Msc)	Fakulti Industri Asas Tani	2018

## SENARAI PENILAIAN MANUSKRIP JURNAL (JOURNAL MANUSCRIPT REVIEW)

	NAMA JURNAL	BILANGAN	JURNAL BERINDEKS
1	Journal Of Sustainability Science And Management	3	YES
2	Journal Of Tropical Resources And Sustainable Sciences	4	YES
3	Tropical Life Sciences Research	1	YES
4	Songklanarin Journal Of Science And Technology	1	YES
5	Biodiversty Management And Forestry	1	YES
6	Malaysian Journal Of Microbiology	1	YES
7	International Journal Mires And Peat	1	YES
8	Emirates Journal Of Food And Agriculture	1	YES
9	International Journal Of Applied Animal Science	1	YES
		14	

## SENARAI PENILAIAN ARTIKEL PROSIDING (PROCEEDING ARTICLE REVIEW)

	NAMA PERSIDANGAN	BILANGAN	JURNAL BERINDEKS
1	International Conference On Science And Technology 2020 (ICOST)	1	lop Conference Series
2	3 <sup>rd</sup> Asia Pacific Regional Conference On Food Security (ARCOF)	7	lop Conference Series
3	International Conference On Tropical Resources And Sustainable Science (CTRESS)	5	lop Conference Series
4	International Conference On Multidicplinary Research (INCOMR)	1	--
5	Seminar Ekspedisi Sainifik Hutan Simpan Ulu Sat 2019	4	---
6	Seminar Penyelidikan And Inovasi Umk	1	--
		19	

## SENARAI ANUGERAH INOVASI DAN AKADEMIK

	TAJUK PERTANDINGAN INOVASI	KEBANGSAAN/ANTARABANGSA	AWARD	TAHUN
1	GENEVA EXHIBITION	Antarabangsa	GOLD	2021
2	Malaysia Technology Expo	Antarabangsa	GOLD	2021
3	Ereka Unimap	Kebangsaan	GOLD	2021
4	Borneo Innovation Festival	Kebangsaan	GOLD	2020
5	Borneo Innovation Festival	Kebangsaan	SILVER	2020
6	Borneo Innovation Festival	Kebangsaan	SILVER	2020
7	Malaysia Technology Expo	Antarabangsa	SILVER	2020
8	Research Dan Inovation Symposium And Exposition	Antarabangsa	GOLD	2020
9	Karnival ECRI Umk	Kebangsaan	GOLD	2020
10	ITEX	Antarabangsa	GOLD	2020
11	ITEX	Antarabangsa	GOLD	2020
12	ITEX	Antarabangsa	GOLD	2020
13	Ereka Unimap	Kebangsaan	GOLD	2020

14	Karnival Cri Umk	Kebangsaan	GOLD	2020
15	Karnival Cri Umk	Kebangsaan	GOLD	2020
16	PECIPTA	Antarabangsa	BRONZE	2019
17	Karnival Cri Umk	Kebangsaan	SILVER	2018
18	Karnival Cri Umk	Kebangsaan	BRONZE	2018
19	Karnival Cri Umk	Kebangsaan	SILVER	2018
20	Karnival Cri Umk	Kebangsaan	BRONZE	2018
21	Karnival Cri Umk	Kebangsaan	BRONZE	2018
22	Karnival Cri Umk	Kebangsaan	BRONZE	2018
23	Karnival Cri Umk	Kebangsaan	BRONZE	2018
24	IDEA	Kebangsaan	BRONZE	2018
25	Karnival Cri Umk	Kebangsaan	SILVER	2017
26	Karnival Cri Umk	Kebangsaan	SILVER	2017
27	Karnival Cri Umk	Kebangsaan	SILVER	2016

### ANUGERAH UNIVERSITI/KEBANGSAAN

	ANUGERAH	PERINGKAT	TAHUN
1	Anugerah Gemilang Universiti –Penerbitan	Universiti	2017
2	Anugerah Perkhidmatan Cemerlang	Kebangsaan	2016
3	Anugerah Gemilang Universiti – Penyelidikan Dan Inovasi Harapan	Universiti	2015

### SENARAI PENERBITAN ARTIKEL BULETIN DAN ARTIKEL POPULAR

	TAJUK	PENERBIT	TAHUN
1	Pecha Kucha Pelajar Sains Sumber Asli Di Simposium Sains Intervarsiti 2019 Anjuran Quest International University	Buletin Fakulti Sains Bumi	2019
2	Plot Bertani Kendiri: Pertanian Urban Atau Hobi Semata	Majalah Sains	2021
3	Serangga: Teman Sejati Si Bunga	Majalah Sains	2021
4	Etnobotani Keluarga Halia (Zingiberaceae) Dalam Masakan Negeri Cik Siti Wan Kembang	Majalah Sains	2021
5	Potensi Pokok Halia Hutan Sebagai Tumbuhan Hortikultur	Majalah Sains	2019
6	Mudahnya Baca Jurnal	Majalah Sains	2017
7	Keunikan Liken Sebagai Penanda Pencemaran Udara	Majalah Sains	2016
8	Menerokai Khazanah Herba Sumber Makanan Orang Asli Suku Kaum Bateq	Buletin Fakulti Sains Bumi	2019
9	Inovasi Pensyarah Program Sains Sumber Asli Raih Pingat Di Persidangan Dan Ekspo Ciptaan Institusi Pengajian Tinggi Antarabangsa (Pecipta 19)	Buletin Fakulti Sains Bumi	2019
10	Pameran Poster Nature In Science Di Bawah Program Memperkasakan Pelajar Dalam Revolusi Industri 4.0	Buletin Fakulti Sains Bumi	2019
11	Lawatan Penilaian Akreditasi Penuh Oleh Agensi Kelayakan Malaysia Bagi Program Sains Sumber Asli (Sen) Fakulti Sains Bumi	Buletin Fakulti Sains Bumi	2018
12	Lawatan Akademik Pelajar Kursus Genetik Dan Biologi Molekul Ke Makmal Forensik Hidupan Liar Kebangsaan, Perhilitan Dan Institut Genom Malaysia	Buletin Fakulti Sains Bumi	2018
13	Membawa Sekolah Kembali Kepada Alam Semula Jadi	Buletin Fakulti Sains Bumi	2017

## SENARAI HAKCIPTA

	IP	TAHUN
1	HAKCIPTA	2019
2	HAKCIPTA	2019
3	CAP DAGANG	2019
4	PATEN	2020

## SENARAI EDITOR BUKU/ PEMPAMER/ PENCERAMAH JEMPUTAN

1	Buku Program 2 <sup>nd</sup> International Conference On Tropical Resources And Sustainable Sciences	2020	Ketua Editor
2	Buku Abstrak 2 <sup>nd</sup> International Conference On Tropical Resources And Sustainable Sciences	2020	Ketua Editor
3	Buku Coffee Table Memori Karnival Agx 2017	2019	Editor
4	Biotechnology Seminar International University Of Malaya Wales	2021	Invited Speaker
5	Mini Colloquium Fsb	2019	Invited Speaker
6	Kursus Kerja Lapangan Dan Teknik Dalam Makmal	2019	Penceramah Jemputan
7	Bengkel Penyediaan Faik Kursus Peringkat Fakulti	2018	Penceramah
8	International Conference On Poverty And Sustainable Society (Icopss)	2018	Moderator
9	Asean Conference On Biodiversity (Acb2020)	2020	Pempamer
10	Malaysia Technology Expo (Mte)	2020	Pempamer
11	Lawatan Kerja Timbalan Menteri Pengajian Tinggi Ke Umk	2020	Pempamer
12	Best Practitioner Eassessment 2019	2019	Presenter

## SENARAI PERUNDINGAN

	TAJUK	DANA	AMAUN	TAHUN
1	Bengkel Makanan Sejuk Beku Umk Kampus Jeli	TABUNG ENTERPRISE TNCPi	RM425	2020
2	Ujikaji Makmal Syarikat Forest Bio Energy Sdn Bhd	TABUNG ENTERPRISE TNCPi	RM1050	2020
3	1st Schedule Environmental Impact Assessment (Eia) For The Proposed Granite Quarry At Segari Melintang Forest Reserve	ASIA PACIFIC ENVIRONMENTAL CONSULTANTS SDN BHD	RM15,000	2020
4	Certified Social Entrepreneurial Innovator Training Programme	KEMENTERIAN PENDIDIKAN MALAYSIA	RM100,000	2020
5	1 <sup>st</sup> Schedule Environmental Impact Assessment(Eia) For Central Spine Road	RANHILL BERSEKUTU SDN BHD	RM35,100	2020
6	Gender Determination Of Arowana Fishes Using Lamp Technology	PPRN KPT	RM32,500	2017
7	Konsultan Metagenomik Dan Analisis Mikrob	SIHHAT AFIAT SDN BHD	TIDAK BERBAYAR	2016-2019

## SENARAI PERSIDANGAN

	<b>PERSIDANGAN</b>	<b>TAJUK KERTAS PEMBENTANGAN</b>	<b>TAHUN</b>
1	SEMINAR EKSPEDISI SAINTIFIK KEPELBAGAIAN BIOLOGI HUTAN	Checklist Of Zingiberaceae In Gunung Telapak Buruk, Negeri Sembilan	2020
2	ICOST	New Records Of Zingiberaceae In Gunung Berembun, Negeri Sembilan	2020
3	2 <sup>ND</sup> INTERNATIONAL ON TROPICAL RESOURCES AND SUSTAINABLE SCIENCES	Gingers Species Diversity And Distribution Along A Natural Trail Of Lojing Highlands, Kelantan	2020
4	2 <sup>ND</sup> INTERNATIONAL ON TROPICAL RESOURCES AND SUSTAINABLE SCIENCES	Termite Species And Structural Pest Identification In Selected Rural Areas Of Kelantan, Malaysia	2020
5	2 <sup>ND</sup> INTERNATIONAL ON TROPICAL RESOURCES AND SUSTAINABLE SCIENCES	Effect Of Temperature Moisture, Ash And Crude Fat Content In Etak (Corbicula Fluminea) Tissue Via Modified Oven Smoking Method	2020
6	THE 1 <sup>ST</sup> ASIA-PACIFIC GRADUATE INTERNATIONAL CONFERENCE	Termite In Rural Area Of Kelantan, Malaysia: Composition And Pattern Of Infestation	2019
7	MALAYSIA INTERNATIONAL GENETICS CONGRESS 13	Bamboo Microbiome Analysis Consumed By Captive Giant Panda In Zoo Negara, Malaysia	2019
8	SEMINAR EKSPEDISI HUTAN ULU SAT	Zingiberaceae Diversity In Ulu Sat Forest Reserve, Kelantan	2019
9	SEMINAR EKSPEDISI HUTAN ULU SAT	A Preliminary Survey Of Termites At Ulu Sat Forest Reserve, Machang, Kelantan	2019
10	CESE2018	Chemical Analysis Of Corbicula Fluminea Tissue On Different Stages Of Processing In Kelantan	2018
11	CESE2018	Profiling Microbial Composition In Sediment And River Water Using 16s Rdna Metagenomics Analysis Of Corbicula Fluminea	2018
12	ICB2018	A Study Of Termite Chemical Defense Fluid Compound Of Macrotermes Carbonarius	2018
13	ICASI	Diversity Of Plant Species Abundantly Consumed In Traditional Practices Of Siamese Community Of Kelantan, Malaysia	2018
14	ICOPSS 2018	Fss—Novel Technique For In Vitro Propagation Of Araceae And Zingiberaceae In Lojing Highlands, Kelantan	2018
15	SEMINAR WARISAN SEMULA JADI JOHOR	Diversity Of Benthic Macroinvertebrate At Sg Sedili Besar, Ulu Sedili Forest Reserve Johor, Malaysia	2017
16	SEMINAR PENGURUSAN ASRAMA	Reka Bentuk Serta Amalan Bersih Dan Selamat Bagi Kediaman Pelajar Universiti	2017
17	SEMINAR PENGURUSAN ASRAMA	Kesan Positif Sesi Kerohanian Sepanjang Minggu Orientasi (3m) Di Universiti Malaysia Kelantan,, Kampus Jeli	2017
18	SEMINAR PENGURUSAN ASRAMA	Mobiliti Pelajar Antarabangsa: Pendekatan Dan Cabaran	2017
19	8 <sup>TH</sup> BIODIVERSITY SEMINAR 2017	Analysis Of Water Microbial Diversity From Lata Janggut Using Morphological And 16s Rdna Method	2017
20	8 <sup>TH</sup> BIODIVERSITY SEMINAR 2017	Polygala Paniculata, Bioindicator Medicinal Species In Disturbed Area	2017
21	8 <sup>TH</sup> BIODIVERSITY SEMINAR 2017	Spilanthes Acmella (Subang Nenek) Distribution In Kelantan Hghlands	2017
22	PERSIDANGAN KAJIAN BENCANA BANJIR 2014	Metagenomics Analysis Of Kelantan River Post Flood For Pathogenic And Nonpathogenic Microbial Identification	2016

