



THIRUCHELVAM KANDAI AH

SUMMARY

Have been lecturing and tutoring mathematics in a matriculation college for eleven years. Have taught mathematics and physics in secondary schools previously. Currently, Training and Research Specialist at SEAMEO RECSAM (Penang, Malaysia). Active in educational research and development with numerous papers presented on modern pedagogical practices. Was the coordinator for Labuan Matriculation College Strategic Planning unit. Obtained Doctor of Philosophy degree in mathematics education in 2017. Focused on developing a comprehensive assessment method for critical thinking. Possess good professional speaking and presenting skills for specific purposes in English and Malay languages. Comfortable with creating and using visual aids for presentations. Familiar with research methods and determining what's relevant as well as to package and present it. Possess Diploma in Human Resource Management. Able to design modules, learning materials, tests and presenting guidelines for specific courses and workshops.

PERMANENT ADDRESS

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Tmn Silibin Ria,
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Malaysia

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CURRENT ADDRESS

RECSAM Apt,
SEAMEO RECSAM,
Jalan Sultan Azlan Shah,
11700 Gelugor,
Penag, Malaysia

Tel : +6017-5799038

OBJECTIVE

Innovation in Education for current demands

ACADEMIC ACHIEVEMENTS

- PhD : Doctor of Philosophy (Mathematics Education)
(Sultan Idris Educational University, 2017)
- Focus of study : Problem-based Learning
Thesis title : Effect of PBL method on critical thinking
in mathematics problem solving among
matriculation college students
- Master's Degree : Master of Arts (Educational Technology)
(Universiti Sains Malaysia, Malaysia, 2003)
- Focus of study : Instructional design
Thesis title : Effect of algo-heuristic strategy in mathematics
problem solving among Form two students in
Perak State.
- Bachelor's Degree : Bachelor of Science (Education) with Honors
(Universiti Sains Malaysia, Malaysia, 1986)
- Specialization : Major - Mathematics
Minor - Physics
- Diploma : Diploma in Human Resources Management
(Institute of Commercial Management, United Kingdom, 1996)

ACADEMIC WRITINGS AND CONTRIBUTIONS

Year	Title	Journal / Conference/ Seminar
2011	The Effect of Cooperative Learning Strategy in Mathematics Problem Solving among Perak Matriculation College Students	Paper presentation Fourth International Conference on Science and Mathematics Education (CoSMEd) 2011 Penang, Malaysia.
2012	Kesan strategi 'cooperative learning' dalam penyelesaian masalah matematik di Kolej Matrikulasi Perak. (The Effect of Cooperative Learning Strategy in Mathematics Problem Solving among Perak Matriculation College Students)	Paper presentation Seminar penyelidikan pendidikan peringkat kebangsaan ke-7 Program Matrikulasi, KPM

		(7 th National educational research seminar for MOE Matriculation program)
2012	Challenges in implementing lesson study in Perak Matriculation College	Paper presentation IPGM International Convention in Teacher Learning and Development 2012
2013	Perlaksanaan kaedah PBL Pentagon dalam pengajaran untuk memupuk pemikiran secara kritis serta kemahiran insania di peringkat pra universiti. (Implementation of PBL Pentagon in teaching and learning to encourage critical thinking and soft skills at pre-university level)	Paper presentation Seminar pembentangan kajian peringkat Bahagian (Divisional research presentation seminar)
2014	Hasrat PPPM 2013-2025 berkaitan kemahiran berfikir aras tinggi dan tanggapan mengenai perlaksanaannya di kalangan pensyarah-pensyarah matematik. (Aspirations of Malaysian Education Development Plan 2013-2025 in promoting higher order thinking skills and the perception of its implementation among mathematics lecturers.)	Paper presentation Seminar pembentangan kajian peringkat Bahagian (Divisional research presentation seminar)
2014	Development of teamwork among pre-u students through teaching of mathematics using PBL Pentagon.	Paper presentation National Research Seminar, UPSI (2014)
2014	A pilot study on the development of critical thinking among pre-u students through teaching of mathematics using PBL Pentagon.	Paper presentation International Conference for teaching and learning (2014)
2015	The effect of teaching of sequences and series topic using problem-based learning on critical thinking among pre-university students.	Publication Jurnal Sains dan Matematik, UPSI
2016	Problem-Based Learning for Independent Learning in Pre-University Students	Paper presentation Dignified Researchers in Humanities, Social Sciences under Dignified Researchers Publication (DiRPUB)
2017	Problem-based Learning for Teamwork among Pre-university Students	Paper presentation Seventh International Conference on Science and Mathematics Education (CoSMEd) 2017 Penang, Malaysia.
2017	Teaching Module for Independent Learning of Integration Techniques in Mathematics for Pre-university Student	Paper presentation

		Seventh International Conference on Science and Mathematics Education (CoSMEd) 2017 Penang, Malaysia.
2017	Workshop on Independent Learning of Integration Techniques in Mathematics for Pre-university Student	Workshop presentation Seventh International Conference on Science and Mathematics Education (CoSMEd) 2017 Penang, Malaysia.
2018	Teaching module: Mastery of mathematics integration techniques through independent learning in pre-university students	Plenary Speaker 2018 BE-MTS International Research Conference, Cebu City, Philippines
2018	FIS chart response assessment of critical thinking in pre-university stem problem solving	Paper presentation Seminar Penyelidikan Pendidikan Peringkat Kebangsaan 2018 (National Educational Research Seminar 2018)
2018	Workshop: Critical thinking assessment in math problem solving	Workshop presentation Seminar Penyelidikan Pendidikan Peringkat Kebangsaan 2018 (National Educational Research Seminar 2018)
2018	Penggunaan carta FIS untuk penilaian pemikiran kritis dalam menyelesaikan masalah STEM di peringkat pra-universiti	Paper presentation Seminar antarabangsa pendidikan ProSET 2018 (UNISEL, Besrtari Jaya)
2018	Critical Thinking Assessment In Pre University Mathematic Problem Solving	Paper presentation Together Transforming Education (TTE) International Conference and Exhibition 2018 (Sabah Federal Government Administrative Complex, Kota Kinabalu)
2019	Pentaksiran pemikiran kritis dalam meyelesaikan maslah STEM dengan carta FIS	Poster presentation Pertandingan Inovasi P & P 2019 (K-NOVASI 2019, UKM, Bangi)
2019	Assessing Critical Thinking Using 'FRACTA'	Plenary Speaker 2019 BE-MTS International Research Conference (St. Paul University - Dumaguete, Philippines)
2019	Workshop: Critical Thinking Assessment in Math Problem Solving Using 'FRACTA'	Workshop 2019 BE-MTS International Research Conference (St. Paul University - Dumaguete, Philippines)
2019	Problem-based learning as an aid to teamwork in solving Mathematics problems among pre-university students.	Publication Journal of Science and Mathematics Education in Southeast Asia: Vol. 42

EDUCATIONAL BACKGROUND

<u>YEAR</u>	<u>INSTITUTION</u>	<u>QUALIFICATION</u>
2010 - 2017	Sultan Idris Educational University	PhD (Maths Education)
1999 - 2003	Universiti Sains Malaysia	MA (Education Technology)
1996	Institute of Commercial Management	DHRM (UK)
1982 - 1986	Universiti Sains Malaysia	B Sc. (Ed) Hon
1981	Methodist High School	H.S.C
1973 - 1979	Anglo Chinese (Secondary) School, Ipoh	H.S.C., M.C.E, L.C.E

WORK EXPERIENCE

<u>PERIOD</u>	<u>EMPLOYER</u>	<u>DUTY</u>
1987 - 1990	Kuala Penyu National Secondary School Kuala Penyu, Sabah	Teacher : English Language Mathematics Science Discipline Teacher
1991 - 2003	Seri Ipoh National Secondary School Ipoh, Perak	Teacher : English Language Mathematics Physics Science Discipline Teacher School Library Teacher Junior Cadet Teacher
2004 - 2009 July	Methodist (ACS) National Secondary School Ipoh, Perak	Teacher : Mathematics Physics Science Swimming Instructor School Swimming Pool Supervisor Chief Advisor – School Aquatic Club Technical Chairman (Aquatics) Perak Schools Sports Council
2009 - 2017 July	Perak Matriculation College	Lecturer : Mathematics
2017 July – 2020	Labuan Matriculation College	Lecturer : Mathematics

CURRENT APPOINTMENT

- Since 2018** International Consultant, Basic Education-Math Teachers' Society Inc.
Cebu City Philippines
- Since April 2020** Member of the Special Advisory Panel for Labuan International School
- Since March 2021** Education Training Specialist, SEMEO RECSAM, Penang

SPECIAL ASSIGNMENTS

- Committee Member in the college Research and Development Unit
- Research and Development coordinator for the college Mathematics Unit
- Facilitator for R & D workshops and seminars
- Coordinator of the college strategic planning committee
- Master Teacher (Mathematics)

PERSONAL INFORMATION

- Age : 61 Years
- Date of birth : 10. 2. 1960
- Place of birth : Ipoh (Malaysia)
- Sex : Male
- Race : Indian
- Marital status : Married
- No of children : Three
- NRIC NO. : 600210-08-5559
- Citizenship : Malaysia
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- Language written & spoken : Fluent
- a) Malay Language
 - b) English Language
 - c) Tamil Language
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- Hobbies :
- a) Reading
 - b) Swimming

OUTDOOR ACTIVITIES

<u>Year</u>	<u>Activity / position</u>	<u>Organisasi</u>
1991 - 1993	EXCO member Course facilitator, Instructor	Life Saving Society Perak
1993 - 2005 2015 -	Hon. Secretary, Course facilitator, Instructor	Life Saving Society Perak
2001 -	Examiner for life saving tests Lifesaving Instructor	Life Saving Society Malaysia

REFERENCE

Pn. Siti Halijah Latip Senior Lecturer Chemistry Unit Labuan Matriculation College Tel : +6012-3192425	Dr. Devadason Robert Peter Senior Lecturer (retired) Institut Perguruan Kampus Ipoh, Tel : 016-4220252
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