



周柏乐教授，博士，马来西亚注册工程师（Ir.），马来西亚技术专家（Ts.），英国注册工程师（PEng），英国注册技术专家（P. Tech.），英国特许工程师（CEng），英国皇家化学工程师学会会士（FIChemE），英国高等教育研究院资深会士（FHEA）



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周柏乐教授（**Professor Ir. Ts. Dr. Pau-Loke Show**）简介

周柏乐教授（**Professor Ir. Ts. Dr. Pau-Loke Show**）是一位在生化工程领域享誉国际的杰出学者及工程师。现任马来西亚 **UCSI** 大学（**Center of Excellence for Research, Value Innovation and Entrepreneurship, CERVIE**）总监。加入 **UCSI** 大学之前，他曾任阿拉伯联合酋长国阿布扎比哈利法大学（**Khalifa University**）化学与石油工程系正教授。他于英国诺丁汉大学马来西亚校区（**University of Nottingham Malaysia**）理工学院化学与环境工程系担任生化工程教授，同时担任马来西亚 **Future Food Malaysia, Beacon of Excellence** 联合创始总监及可持续食品加工研究中心总监。周教授在获得马来西亚博特拉大学荣誉学士学位后的两年内成功获得了博士学位。**2022**年，他被当选为英国皇家化学工程师学会会士（**FIChemE**），他还拥有马来西亚工程师委员会（**BEM**）注册的专业工程师（**PEng**）、英国特许工程师（**CEng**）、马来西亚工程师协会（**MIEM**）的会员，以及马来西亚技术学家委员会（**MBOT**）注册的专业技术学家（**PTech**）等多项专业知识和技能认证。**2014**年，他获得了高等教育研究生证书（**PGCHE**），现为英国高等教育研究院资深会士（**FHEA**）。

自**2012**年开启职业生涯以来，周柏乐教授荣获了诸多颇具声望的学术奖项。其中包括**2024**年斯坦福/爱思唯尔全球前**2%**顶尖科学家、**2023**年亚洲青年生物技术专家奖、**2023**年马来西亚生物学和生物化学领袖奖、**2022**年高被引学者（爱思唯尔）、**2022**年世界科学新星、**2022**年马来西亚十大杰出青年等。此外，他还曾获得**2021**年**Tan Sri**荣休教授**Augustine S H Ong**国际创新与发明特别奖（棕榈油领域）、**2020**年亚太经合组织科学奖创新，研究和教育（“**ASPIRE**”）马来西亚奖、**2019**年马来西亚青年科学家奖、**2018**年

DaSilva奖、**2018**年日本学术振兴会（**JSPS**）奖学金、**2017**年亚洲百大科学家、**2017**年亚洲新星科学家奖以及**2016**年**ICHEME**青年研究员奖。在学术研究方面，周教授已培养了超过**45**名博士和硕士研究生，并领导着一个由**30**名成员组成的团队，包括博士后、博士和硕士研究生。在不到**15**年的职业生涯中，他发表了**850**多篇期刊论文，其研究成果在过去**15**年间被引用次数超过**48793**次，目前的**h**指数为**111**，在谷歌学术的所选领域（微藻技术；食品工程）中排名第一。此外，周教授还担任了**35**个以上国际、国内和行业项目的首席项目负责人，项目总金额超过**500**万。

周柏乐教授目前担任《当前营养与食品科学杂志》、《生物化学科学杂志》的主编，以及《农生物多样性杂志》的联合主编。同时，他还担任《科学报告》、《生物催化与农业生物技术》的编辑，《环境科学与生态技术》的副主编，以及《生物化学工程杂志》、《离子液体杂志》、《中国化学快报》等杂志的编委会成员。此外，他还担任许多知名期刊的特邀编辑，例如《可再生与可持续能源评论》、《危险材料杂志》、《生物燃料研究杂志》、《环境污染》、《化学圈》、《清洁技术与环境政策》、《生物工程》、《过程》、《能源》、《生物催化与农业生物技术》、《能源前沿研究》、《**BMC**能源》、《能源技术材料科学》、《当前营养与食品科学》等。他是超过**150**本由**Nature**、**Science**、**Cells**、**Elsevier**、**Wiley**、**Springer**、**ACS**、**RSC**和**Taylor & Francis**等出版社出版的国际知名期刊的活跃审稿人。他最近被**Publons**评为顶级同行评审者（工程领域全球顶级同行评审者奖前**1%**、跨领域全球顶级同行评审者奖、化学全球顶级同行评审者奖、生物学与生物化学全球顶级同行评审者奖、农业科学全球顶级同行评审者奖），处理了超过**3000**篇提交至众多期刊的稿件。

个人简历

姓名	Pau-Loke SHOW（周柏乐）
出生地点和日期	怡保（马来西亚霹靂州）& 1986年3月22日
个人网页	https://showpauloke.com/
研究方向	<ol style="list-style-type: none">1. 从上游到下游的生物加工2. 分离与纯化技术3. 藻类生物炼制工程

所属单位

UCSI 大学
首都吉隆坡，蕉赖区
1 Jalan UCSI, UCSI Heights (Taman Connaught), Cheras 56000, Kuala Lumpur
电话: +6 (010) 225 0322

Email: ShowPL@ucsiuniversity.edu.my ; showpauloke@gmail.com

教育背景

2006-2010	马来西亚博特拉大学工艺与食品工程学士（荣誉）	马来西亚博特拉大学
2010-2012	马来西亚博特拉大学生物工艺工程博士	马来西亚博特拉大学
2012-2014	诺丁汉大学高等教育研究生证书	诺丁汉大学

专业资质

1. 东盟特许专业工程师，马来西亚工程师委员会，ACPE-05188/MY
2. 马来西亚石油科学家与技术家协会特邀终身会员，编号 LM163/2021
3. 马来西亚技术家委员会（MBOT）研究生技术家，编号 GT19060084，PT20010044
4. 英国工程委员会特许工程师，编号 643295
5. 英国化学工程师学会会员及化学工程师，编号 99960109
6. 马来西亚工程师委员会专业工程师，编号 PE18678
7. 马来西亚工程师学会研究生会员，编号 27315
8. 马来西亚工程师委员会研究生工程师，编号 GE80348A
9. 英国化学工程师学会生物化学工程特别兴趣小组马来西亚代表，编号 99960109
10. 日本生物技术学会会员，编号 900550（2019年）
11. 英国高等教育学会会士
12. 马来西亚青年科学家网络附属会员
13. 亚洲生物技术联合会顾问
14. 马来西亚工程师学会农业与食品工程技术分部特邀会员，2021/2 年度
15. 马来西亚技术家委员会（MBOT）专业技术家，编号 PT20010044
16. 英国化学工程师学会会士（FIChemE），编号 99960109

国际及本地（马来西亚）任职与隶属关系

2025年-至今	马来西亚 UCSI 大学（Center of Excellence for Research, Value Innovation and Entrepreneurship, CERVIE）总监
2023年 - 2025年	阿联酋阿布扎比哈利法大学生物化学工程教授
2019年- 2023年	马来西亚诺丁汉大学研究中心可持续食品加工总监
2019年 - 2023年	马来西亚诺丁汉大学卓越灯塔马来西亚未来食品联合总监
2019年-至今	马来西亚工程认证委员会委员
2019年-至今	马来西亚工程技术家认证委员会委员
2020年 - 至今	诺丁汉大学生物化学工程教授

2022 年 4 月-至今	温州大学客座教授
2020 年-至今	菲律宾德拉萨大学驻校科学家
2019 年 - 2021 年	国际生物加工协会（马来西亚）主席
2019 年 - 2020 年	马来西亚诺丁汉大学化学与环境工程系研究总监
2019 年-至今	越南岷港维坦大学客座教授
2016 年 - 2020 年	马来西亚 Twolink Sdn Bhd 咨询工程师
2016 年 - 2020 年	马来西亚诺丁汉大学副教授
2018 年 6 月- 9 月	日本神户大学特邀研究员
2018 年 4 月 17 日- 19 日	中国重庆大学特邀研究员
2017 年 9 月 21 日- 30 日	中国无锡江南大学访问学者
2017 年 6 月 20 日- 30 日	国立云林科技大学访问学者
2012 年 5 月- 6 月及 10 月	中国台湾元智大学客座研究员
2012 年 9 月-2015 年 12 月	马来西亚诺丁汉大学助理教授
2011 年 9 月-2012 年 9 月	马来西亚 Gai-Tronic 马来西亚项目工程师
2010 年 9 月-2012 年 9 月	马来西亚博特拉大学助教
2009 年 1 月-2012 年 9 月	马来西亚博特拉大学研究助理

研究经历与领域

拥有超过 15 年的研究经验，领域包括：

1. 水产养殖技术
2. 从上游到下游的生物加工过程
3. 分离与纯化技术
4. 藻类生物炼制工程

H 指数与引用次数

H 指数：130（谷歌学术）

引用次数：约 **66537**

期刊编辑经验

主编 (2019 年 8 月至今)	Current Nutrition and Food Sciences
主编 (2023 年至今)	Journal of Biochemical Sciences
联合主编 (2024 年至今)	Agrobiodiversity
审稿编辑 (2022 年 1 月至 2024 年)	Molecular Biotechnology
副主编 (2019 年 9 月至 2023 年)	Current Biochemical Engineering
副主编 (2019 年 1 月至 2021 年)	Journal of Advanced Biotechnology and Experimental Therapeutics

副主编 (2023 年 5 月至今)
编辑 (2019 年 6 月至 2024 年)
编辑 (2019 年 8 月至 2024 年)
客座编辑:

Environmental Science and Ecotechnology
Biocatalysis and Agricultural Biotechnology
Scientific Reports, Nature
Renewable & Sustainable Energy Reviews
Science of the Total Environment
Journal of Hazardous Materials
Biofuel Research Journal
Sustainable Energy Technologies and Assessments
Environmental Pollution
Chemosphere
Photochemistry Review
Biochemical Engineering Journal
Material Letters
Bioresource Technology
Fuel
Journal of Biotechnology
Scientific Reports, Nature
Beilstein Journal of Nanotechnology
Biomass Conversion and Biorefinery
Environmental Research,
Clean Technologies and Environmental Policy
Processes
Energies
Biocatalysis and Agricultural Biotechnology
Frontiers in Energy Research
BMC Energy, Springer Nature;
Materials Science for Energy Technologies,
Current Nutrition & Food Science
BMC Chemistry

编委会成员:

1. Next Sustainability (2024 年 1 月至今)
2. Sustainable Chemistry One World (2023 年 10 月至今)
3. Environmental Science and Ecotechnology (2019 年 12 月至今)
4. Environmental Advances (2020 年 10 月至 2024 年 1 月)
5. Chinese Chemical Letters (2022 年 9 月至今)
6. Environmental Technology & Innovation (2022 年 3 月至 2024 年)

7. Journal of Ionic Liquids (2022 年 2 月至今)
8. Journal of Nanostructure in Chemistry (2022 年 1 月至 2023 年)
9. Journal of Hazardous Materials (2021 年 4 月至 2023 年)
10. Bioresource Technology (2021 年 3 月至 2023 年)
11. Processes, MDPI (2020 年 1 月至 2024 年)
12. International Journal of Bioprocess and Biotechnological Advances (Dec 2018 – 2021)
13. BMC Energy, Springer Nature (2018 年 8 月至 2021 年)
14. Biochemical Engineering Journal, Elsevier (2017 年 9 月至今)
15. Current Nutrition & Food Science (2018 年 11 月至 2019 年 12 月)
16. Bioengineered (Taylor & Francis) (2018 年 11 月至 2020 年 8 月)
17. Environmental Technology and Innovation (2022 年 3 月至 2023 年 9 月)
18. Food Physics, KeAi (2023 年至今)

常规审稿人: 完成 255 个 ISI 期刊的 3544 项审稿任务

常规处理编辑: 完成 45 个 ISI 期刊的 1587 项编辑任务

以上信息经 **Publon** 验证, 详情可查看链接:

<https://publons.com/researcher/1344183/pau-loke-show/>

专业服务与经历

1. 第五届亚洲生物技术联合会马来西亚分会国际研讨会 2023 年马来西亚宣传、推广与赞助团队成员
2. 第五届亚洲生物技术联合会马来西亚分会国际研讨会 2023 年马来西亚青年研究员环节评委
3. 厦门大学马来西亚分校 2023 年研究与研究生中心 (RPC) 评估小组成员
4. 马来西亚工程认证委员会成员
5. 马来西亚工程技术认证委员会成员
6. 瑞士国家科学基金会资助小组成员
7. 多法尔大学资助小组成员
8. 波兰国家科学中心资助小组成员
9. 越南国家科学技术发展基金会 (NAFOSTED) 资助小组成员
10. 哈萨克斯坦教育部与科学部资助小组成员
11. 匈牙利国家研究、开发与创新办公室资助小组成员
12. 国家科技评估中心有限公司资助小组成员
13. 科学连接资助小组成员
14. 奥马尔国家基金会资助小组成员

15. 新加坡科技研究局 (A*STAR) 资助小组成员
16. 马来西亚理科大学校外考官
17. 印度维斯瓦巴拉技术大学校外考官
18. 马来西亚博特拉大学校外考官
19. 马来西亚马来亚大学校外考官
20. 印度阿拉哈巴德信息技术学院校外考官
21. 澳大利亚悉尼科技大学校外考官
22. 新加坡南洋理工大学校外考官
23. 印度萨维特里拜·法勒·普纳大学校外考官
24. 新西兰怀卡托大学校外考官
25. 马来西亚 UCSI 大学校外考官
26. 印度钦奈安娜大学校外考官
27. 马来西亚国油科技大学校外考官
28. 澳大利亚莫纳什大学校外考官
29. 印度维洛尔技术大学 (VIT) 校外考官
30. 马来西亚莫纳什双威大学校外考官
31. 印度国家技术学院瓦朗加尔分校校外考官
32. 印度阿拉哈巴德信息技术学院校外考官
33. 印度穆尔塔尔科学技术大学 (索纳帕特) 校外考官
34. 瑞典博伦厄大学校外考官
35. 新加坡南洋理工大学校外考官
36. 印度阿格拉帕大学校外考官
37. 澳大利亚悉尼科技大学校外考官
38. 新西兰怀卡托大学校外考官
39. 人类生活进步基金会评委
40. 区域化学工程本科生会议 (RCEUC) 评委
41. 马来西亚高等教育部国家研究基金基础研究基金计划 (FRGS) 评估小组成员
42. 马来西亚高等教育部国家研究基金 MRUN 青年研究员基金计划 (MY-RGS) 评估小组成员
43. 马来西亚高等教育部国家研究基金原型研究基金计划 (PRGS) 评估小组成员
44. 沙特阿拉伯吉达大学学术晋升评估员
45. 第七届东南亚农业工程学生分会年度区域会议 2021 年马来西亚博特拉大学评委
46. 2021 年 9 月 22 - 23 日在马来西亚举行的 AFOB - 马来西亚分会国际研讨会 2 号 3 分钟海报环节评委
47. 2022 年 6 月至 8 月亚太经合组织青年企业家挑战赛绿色协同解决方案导师, 主题为基于农业残留物的能源与循环经济
48. 泰勒与弗朗西斯集团书籍评论员

49. 沙特阿拉伯国王大学宣传小组成员
50. 马来西亚莫纳什大学晋升小组成员
51. 文莱科技大学晋升小组成员
52. 沙特阿拉伯教育部吉达大学永久学术晋升委员会成员
53. 巴林大学学术晋升委员会成员

奖项与科研成就

1. 浙江省诸暨市第四届“乡村振兴 诸事有才”创新创业大赛一等奖，项目名称：香榧金松酸系列产品研发和产业化
2. 为《创新技术与管理杂志》（ITMJ）担任审稿人获得证书
3. 为 ACS Publications 2023 担任审稿人获得证书
4. 2024 年《过程安全与环境保护》最佳审稿人奖
5. 斯坦福/爱思唯尔 2020 - 2024 年全球前 2% 科学家名单
6. 在 Research.com 2024 年科学新星排名中，马来西亚排名第 1，世界排名第 28
7. 在 Research.com 2024 年生物学与生物化学领导者排名中，马来西亚排名第 1，世界排名第 3396
8. 在 Research.com 2024 年工程与技术领导者排名中，马来西亚排名第 6，世界排名第 310
9. Research.com 2023 年马来西亚生物学与生物化学领导者奖
10. Research.com 2023 年科研新星奖
11. 2023 年日本生物技术学会（SBJ）亚洲青年生物技术学家奖
12. 为《国际食品科学与技术杂志》担任审稿人获得证书（2022 年）
13. 为《AIChE 杂志》担任审稿人获得证书（2022 年）
14. 为《生物技术进展》担任审稿人获得证书（2022 年）
15. 为《ChemCatChem》担任审稿人获得证书（2022 年）
16. 为《先进可持续系统》担任审稿人获得证书（2022 年）
17. 2022 年高被引学者（生物学与生物化学领域前 1%，Clarivate 2022）
18. 2022 年世界科学新星排名第 236 位，马来西亚排名第 2 位
19. 2022 年马来西亚十大杰出青年
20. 2022 年高被引学者
21. 2022 年英国诺丁汉大学杰出研究导师奖
22. 马来西亚诺丁汉大学科学与工程学院专业外展与外部参与奖
23. 马来西亚诺丁汉大学科学与工程学院 2020 年研究出版物奖
24. 2020-2021 年 WILEY 国际能源研究杂志年度最高引用文章
25. 2022 年马来西亚国家 Kesum 倡议前三名获奖者

26. 2020-2021 年在 ISI、Scopus 中马来西亚发表论文数量排名第一
27. 在马来西亚国立大学健康老龄化与健康中心 (H-Care) 组织的国家 Kesum 倡议中获得第二名。
28. 2021 年 APEC-ACABT 绿色协同解决方案绿色能源评审团感谢证书
29. 2021 年环境技术与创新杰出审稿人
30. 2021 年世界级教授证书, 以表彰其对世界级教授计划成功的杰出贡献
31. 2021 年 11 月 18 日至 27 日斯里·西瓦苏布拉马尼亚纳亚学院虚拟国际教师发展计划感谢证书
32. 2021 年 11 月 24 日将论文和论文转化为 IMRAD 格式在高影响力期刊上发表的网络研讨会感谢证书
33. 2021 年 IChemE 全球奖生物化学工程决赛入围者
34. 2021 年 Tan Sri 荣休教授 Augustine S H Ong 国际创新与发明特别奖 (棕榈油领域)
35. 2020 年水资源环境研究杰出审稿人奖获得者
36. 2020 年斯坦福大学世界顶尖科学家名单前 2% 获奖者
37. 2020 年 APEC 科学奖创新、研究与教育 (ASPIRE) 马来西亚奖获得者。
38. 2018-2019 年 Wiley 最受欢迎和最高下载论文奖
39. 2019 年马来西亚国家青年科学家奖获得者
40. 2019 年英国诺丁汉大学副校长奖
41. 2019 年全球工程领域顶尖同行评审奖
42. 2019 年全球跨领域顶尖同行评审奖
43. 2019 年全球化学领域顶尖同行评审奖
44. 2019 年全球生物学与生物化学领域顶尖同行评审奖
45. 2019 年全球农业科学领域顶尖同行评审奖
46. 2014 年 12 月 17 日诺丁汉大学马来西亚分校工程学院制造与工业过程研究部研究日白金奖
47. 2014 年捷克布拉格 BioTech 国际会议最佳论文奖, 2014 年 6 月 6 日至 8 日
48. 2012 年诺丁汉大学马来西亚分校工程学院制造与工业过程研究部研究日白金奖
49. 2013 年诺丁汉大学马来西亚分校工程学院制造与工业过程研究部研究日白金奖
50. 2014 年诺丁汉大学马来西亚分校工程学院制造与工业过程研究部研究日白金奖
51. 2015 年诺丁汉大学马来西亚分校工程学院制造与工业过程研究部研究日白金奖
52. 2016 年马来西亚诺丁汉大学工程学院研究奖 (金奖)
53. 2017 年马来西亚诺丁汉大学工程学院研究奖 (金奖)
54. 2018 年马来西亚诺丁汉大学工程学院研究奖 (金奖)
55. 2019 年马来西亚诺丁汉大学工程学院研究奖 (金奖)
56. 2020 年马来西亚诺丁汉大学工程学院研究奖 (金奖)
57. 2018 年 Publons 全球同行评审奖生物学与生物化学领域顶尖审稿人排名世界第一

58. 首位获得日本生物技术学会 (SBJ) DaSilva 奖的马来西亚人 (2018 年)
59. IOP 出版的纳米技术青年研究员奖 2018 年决赛入围者 (前三名)
60. 2018 年东盟-印度研究培训奖学金 (AI-RTF)
61. 2018 年 Springer 杰出论文奖
62. 2018 年日本学术振兴会 (JSPS) 奖学金
63. 2017 年 Elsevier 生物资源技术杂志杰出审稿人
64. 2017 年马来西亚高等教育机构发明与博览会 (PECIPTA) 银奖获得者
65. 2017 年亚洲百强科学家
66. 2017 年亚洲新兴科学家奖
67. 2017 年生物技术最佳会议特邀演讲嘉宾
68. 2016 年 IChemE 马来西亚奖青年研究员奖获得者
69. 2016 年生物技术杂志年度高被引论文奖
70. 2015 年 IChemE 全球奖青年研究员奖
71. 2015 年马来西亚沙阿兰工艺大学 (UiTM) 发明、创新与设计展览 (IIDEX) 银奖
72. 2015 年布拉格生物技术会议最佳论文奖获得者
73. 2012、2013、2014 和 2015 年研究部白金奖
74. 2016 年和 2017 年学院出版物金奖
75. 2012 年 5 月研究生学院首届励志故事
76. 2011/2012 年秋季学期大学学生评估教学 (SET) 得分排名前 5, 低于 1.5
77. 2012-2019 年博特拉大学校友与同学支持小组成员

董事会、咨询委员会、专业组织

1. 第一届中东化工研讨会 2023 年组织委员会成员
2. 第二届国际化工大会 2022 年组织委员会成员
3. 亚洲生物技术联合会 (AFOB) 董事会成员
4. 第三届环境研究研究生座谈会 (POCER) 2013 年组织秘书
5. 第三届食品、蔬菜和水果加工国际研讨会 2014 年组织秘书
6. 第四届环境研究研究生座谈会 (POCER) 2015 年组织司库
7. 第八届亚太干燥会议 2015 年组织司库
8. 第五届环境研究研究生座谈会 (POCER) 2017 年组织司库
9. 第一届能源材料国际会议 (ICEM) 2021 年地方科学小组成员
10. 第六届环境研究研究生座谈会 (POCER) 2022 年组织主席
11. 第二届先进功能材料国际研讨会 (ISAFM2) 2022 年组织委员会成员
12. 第二届可持续水与环境国际会议 (ICWES) 和第七届环境研究研究生座谈会 (POCER) 2024 年顾问

大学角色

部门（系）职责：

1. s-CPD 计划负责人，2016 - 2019 年
2. 研究总监，2019 - 2020 年
3. 网站和 Facebook 管理员，2017 - 2019 年
4. 安全团队（研究伦理）成员，自 2017 年起
5. 市场营销团队成员，自 2015 年起负责展览/推广
6. 研究助理值班负责人，2016 - 2019 年
7. 信息技术协调员，2015 - 2019 年
8. 教学设计团队成员，2012 - 2018 年
9. 本科一年级实验室团队成员，2012 - 2017 年
10. 招生与招聘团队成员，2013 - 2014 年
11. 认证与持续质量改进副总监，2019 年至今
12. PO12 冠军 - 终身学习，自 2018 年起

学院职位：

1. 化学与环境工程系学院研究委员会代表（2019 - 2020 年）
2. 化学与环境工程系学院 s-CPD 计划代表（2016 - 2019 年）
3. 化学与环境工程系学院市场营销团队代表（2014 - 2017 年）
4. 工程学院健康与安全委员会研究社区代表（2013 - 2018 年）
5. 学院研究运营小组（FROG）- 研究部门代表（2013 - 2015 年）
6. 院长本科研究计划（DURS）协调员（2014 年）
7. 制造与工业过程研究部门成员（2013 年至今）
8. 食品与生物产品加工中心成员（2013 年至今）
9. 研究日 - 组织委员会成员（2014 年至今）
10. 参与 EAC 认证访问准备（2014 年至今）

大学职位：

1. 可持续食品加工研究中心总监，自 2019 年起
2. 未来食品马来西亚卓越灯塔项目联合总监，自 2019 年起
3. FOSE 实习 NAA 模块召集人，自 2019 年起
4. 生物分离研究小组组长，自 2017 年起
5. 食品与制药工程研究小组成员，自 2013 年起
6. 分子制药与生物生产研究小组成员，自 2015 年起
7. 女性在科学与技术（WinSET）多媒体与宣传团队负责人（2014 - 2016 年）

8. 诺丁汉性别平等 (GEN), 2017 年起担任通讯官
9. 诺丁汉大学商学院 (NUBS) 研究伦理委员会 - 工程学院代表, 自 2015 年起
10. 大学安全委员会 - 研究部门代表, 自 2015 年起
11. F1 Talk 2013 (大学活动) 协调员
12. 信息日、开放日和国际学校访问组织委员会成员, 自 2014 年起
13. 组织面向全体师生的工业讲座 - 组织委员会成员, 自 2014 年起

主题演讲、主旨报告与特邀讲座

1. 2024 年 11 月 2 日, 中国河南中医药大学, 食品和医疗微藻技术的最新进展特邀嘉宾
2. 2024 年 7 月 1 日-7 月 7 日, 中国四川大学, 生物质能、生物燃料和生物制氢等前沿领域的研究进展授课嘉宾
3. 2024 年 5 月 24 日, 泰国曼谷, 第 24 届先进制造聚合物材料国际研讨会 (AMPM'24) 特邀嘉宾
4. 2023 年 12 月, 中国重庆大学, 微藻技术最新进展客座讲座
5. 2023 年 12 月, 中国青岛中国海洋大学, 特邀报告
6. 2023 年 10 - 11 月, 印度尼西亚万隆, 世界级教授讲座
7. 2023 年 11 月, 日本 SAKURA, 微藻研究导论特邀嘉宾
8. 2023 年 12 月, 中国无锡江南大学, AI 在微藻培养中的应用特邀嘉宾
9. 2023 年 12 月, 中国西北农林科技大学, 自然资源与环境国际会议主旨报告
10. 2023 年 12 月, 韩国, 微藻奇迹, BrainLink X - Lab Day 主旨报告
11. 2023 年 2 月, 澳大利亚斯威本大学, 藻类与食品的未来特邀报告
12. 2023 年 9 月, 日本生物技术学会, 2023 年青年亚洲生物技术奖获奖者报告
13. 2023 年, 印度斯里西瓦苏布拉马尼亚纳达工程学院, 微藻生物炼制最新发展特邀报告
14. 2023 年, 台湾亚太经合组织会议, 生物能源产业生物炼制技术最新发展主旨报告
15. 2023 年 2 月, 马来西亚国家高等教育卓越中心, 藻类基生物燃料进展网络研讨会
16. 2023 年, 印度理工学院古瓦哈提, AAR 2023, 微藻技术最新进展特邀报告
17. 2023 年 5 月 6 日, KORG 网络研讨会, Kunita 海外研究基金
18. 2023 年 5 月, 澳大利亚悉尼科技大学, 微藻生物炼制中的物联网特邀嘉宾
19. 2023 年, iNEEBA 2023, 微藻生物炼制技术特邀报告
20. 2023 年 5 月, 瑞典博伦厄大学, 微藻研究最新技术特邀嘉宾
21. 2023 年, 印度喀拉拉邦特里凡得琅, NHBT 2023, 微藻生物工程新技术特邀报告
22. 2023 年 10 月, 第一届中东化工研讨会主旨演讲嘉宾
23. 2023 年 6 月 13 日, C3 研讨会, "微藻生物炼制最新发展"特邀嘉宾
24. 2023 年, 国际可持续水管理与资源回收会议特邀嘉宾
25. 2023 年, 印度大学迪波内哥罗, AI 在微藻中的应用特邀嘉宾

26. 2023年5月23日，国际主题讲座系列5“微藻应用的当前研究与技术”，2023年5月23日
27. 2023年4月15日，国际可持续废物管理与资源回收会议特邀嘉宾
28. 2022年10月28日，UNM，研究导师系列：管理研究生进展特邀嘉宾
29. 2022年12月2 - 4日，ABBS - 国际生物氢与生物过程会议，主旨报告嘉宾及环节主席
30. 2022年9月18 - 21日，第四届亚洲生物技术联合会马来西亚分会国际研讨会主旨报告嘉宾
31. 2022年8月29 & 30日，参加“Meet in Malaysia @ Malaysia Business Events Week 2022”
32. 2022年9月15 & 16日，第三届国际虚拟会议：清洁技术可持续环境最新趋势（CTSE - 2022）首席嘉宾及特邀报告嘉宾
33. 2022年9月1日，环境、可持续性问题和社区发展国际会议（INCRID）主旨报告嘉宾
34. 2022年8月15 - 21日，印度教育大学化学教育系举办的虚拟暑期学校“绿色 - 可持续化学共创美好未来”特邀嘉宾
35. 2022年7月13 - 15日，莫纳什科学研讨会 2022，主题为“共生：探索非凡可能性”，主旨报告嘉宾及评委
36. 2022年4月15 & 16日，第八届国际生物技术竞赛与展览 2022（IBCEX'22）领队
37. 2022年3月14 & 15日，环境科学与绿色技术国际会议（IC - EGT 2022）主旨报告嘉宾
38. 2022年，第三届生物能源研究最新进展国际会议（ICRABR - 2022）主旨报告嘉宾
39. 2022年，ICEGT 2022，MJIT 主旨报告嘉宾
40. 2021年，第六届可持续能源与环境挑战国际会议（VI SEEC）全体会议发言人
41. 2021年1月19 & 20日，国际生物技术创新电子讲座研讨会特邀嘉宾
42. 2022年1月11日，马来西亚工程师学会（槟城分会）线上演讲嘉宾，演讲主题：循环经济中的新微藻生物炼制技术 - 物联网液相双系统
43. 2022年8月8 & 9日，马来西亚化学工程师第33届研讨会（SOMChE）2022技术委员会成员
44. 2021年12月23 & 24日，首届国际水、能源与环境会议（WEECON 2021）首席嘉宾及主旨报告嘉宾
45. 伊朗科技大学第二届国际学术合作平台（AUT - InAPP）全体会议发言人，主题为“纳米纤维：从实验室到工业”
46. 2021年，泰国玛希隆大学主旨报告嘉宾
47. 2021年，印尼教育大学万隆 - 印度尼西亚，世界级教授 2021，物联网在微藻生物炼制中的应用
48. 2021年8月2日，韩国庆尚国立大学，2021年 GNU 化学暑期学校全体会议发言人
49. 2021年7月26日，印度马德拉斯基督教学院微生物学系全体会议发言人

50. 2021年6月21日，国际虚拟会议：化学与材料最新进展全体会议发言人
51. ICPPCT：首届污染预防与清洁技术国际会议及“台湾 - 印度新兴环境与能源挑战技术交流会议”主旨报告嘉宾
52. 2021年11月18 - 27日，印度金奈斯里西瓦苏布拉马尼亚纳达工程学院化学工程系特邀嘉宾演讲者，参加“有效撰写研究论文策略”虚拟国际教师发展计划
53. 2021年9月27 - 29日，印度梅赫萨纳印德拉希尔大学，合成生物学：从实验室到工业主旨报告嘉宾
54. 2021年7月6日，印度马杜赖卡马拉杰大学，AI在微藻技术中的应用全体会议报告
55. 2021年7月26日，印度金奈马德拉斯基督教学院微生物学系，藻类生物技术工业创新与创业机会全体会议报告
56. 2021年，印度万隆印尼教育大学世界级教授 2021，生化工程的未来主旨报告嘉宾
57. 2021年7月21日，化学与材料最新进展国际虚拟会议主旨报告嘉宾
58. 2021年，印度迪波内哥罗大学暑期学校特邀嘉宾
59. 2021年10月7 - 8日，印韩国际纳米科学与纳米技术能源、环境和生物医学应用电子会议（iNEEBA2021）特邀嘉宾
60. 2021年9月22 - 23日，马来西亚，AFOB - 马来西亚分会国际研讨会 2021 主旨报告嘉宾
61. 2021年12月1 - 4日，资源效率、能源、环境、化学品和健康生物技术国际会议（BREACH - 2021）特邀报告嘉宾
62. 2021年4月4 - 8日，可持续农业、环境和健康生物技术国际会议（BSAEH - 2021）特邀报告嘉宾
63. 2021年，可持续废物处理与管理国际会议（第二届 SWTM - 2021）特邀报告嘉宾
64. 2021年，可持续技术与发展国际会议全体会议发言人
65. 2021年7月7日，日本神户大学，藻类生物炼制最新发展主旨报告嘉宾
66. 2021年4月2日，吉隆坡塔为沙巴会议，马来西亚微藻研究全体会议报告嘉宾
67. 2021年6月30日，沙捞越科技大学，基础研究基金计划（FRGS）分享会特邀嘉宾
68. 2021年5月6日，厦门大学马来西亚分校，如何有效管理和监控您的FRGS？特邀嘉宾
69. 2021年，印度万隆印尼教育大学世界级教授 2021，科学论文导论全体会议发言人
70. 2021年，印度文奈加尔使命基鲁帕南达瓦里亚艺术与科学学院印韩国际纳米科学与纳米技术能源、环境和生物医学应用电子会议全体会议发言人
71. 2021年4月4 - 8日，印度，可持续农业、环境和健康生物技术国际会议，生物技术产业生物炼制技术最新发展特邀嘉宾
72. 2021年4月15日，厦门大学马来西亚分校，如何有效撰写优秀论文？杰出嘉宾演讲者
73. 2021年3月30日 - 4月1日，马来西亚青年科学家网络 - 马来西亚科学院（YSN - ASM）国际科学虚拟会议，马来西亚最新下游生物处理特邀嘉宾
74. 2021年2月16日，英国化学工程师学会化学工程系主任论坛，生化工程的重要性与未来

特邀嘉宾

75. 2021年2月3-4日, 菲律宾第四届国际 STEAM (科学、技术、工程、农渔业和数学) 研究大会主旨报告嘉宾
76. 2021年1月, 台湾第十一届绿色可持续生物技术研讨会, 生化工程的重要性主旨报告嘉宾
77. 2021年12月19日, 台湾, 2020年亚太经合组织 - 亚洲生物加工协会, 生物能源产业生物炼制技术最新发展主旨报告嘉宾
78. 2021年, 台湾第十一届绿色可持续生物技术研讨会特邀嘉宾
79. 2021年4月20-21日, 国际会议“欧洲: 全球循环经济的知识与科学之桥”, 由 CECOLAB (循环经济协作实验室) 组织特邀嘉宾
80. 2021年, 沙捞越科技大学, 马来西亚基金 2021 提示特邀嘉宾
81. 2021年11月21日, 韩国, 2019年食品创新与工程 (FOODIE) 亚洲, 食品工业生物分离技术最新发展特邀报告嘉宾
82. 2021年, 英国化学工程师学会多样化课程论坛 2021 特邀嘉宾
83. 2020年6月26日, 英国化学工程师学会网络研讨会, 生物制造产业生物炼制最新发展特邀报告嘉宾
84. 2020年7月28日, 印度斯里西瓦苏布拉马尼亚纳达 (SSN) 工程大学, 生物炼制在生物制造产业的最新发展全体会议报告嘉宾
85. 2020年7月13日, 澳大利亚化学工程师学会峰会, 生物技术产业生物炼制最新发展特邀嘉宾
86. 2020年7月30日, 马来西亚国油科技大学, 微藻研究生物炼制最新发展特邀报告嘉宾
87. 2020年10月22日, 马来西亚马来亚大学, 生物能源产业生物炼制技术最新发展特邀报告嘉宾
88. 2020年8月, 中国浙江大学 - 英国诺丁汉大学虚拟博士论坛, 离子液体在生物加工工程中的应用全体会议报告嘉宾
89. 2020年4月28日, 马来西亚登嘉楼大学热带水产与渔业研究所, 微藻在水产养殖应用中的潜力: 废水处理和虾养殖补充剂小组论坛嘉宾
90. 2020年1月, 哈尔滨工业大学市政与环境工程学院, 藻类生物炼制从废物到生物能源的最新发展全体会议报告嘉宾
91. 2020年1月, 哈尔滨工业大学环境科学与技术系, 可持续生物分离方法 - 绿色液相双系统全体会议报告嘉宾
92. 2020年1月, 哈尔滨工业大学城市水资源与环境国家重点实验室, 环境工程从上游到下游的生物处理全体会议报告嘉宾
93. 2020年, 浙江大学 - 英国诺丁汉大学马来西亚博士论坛特邀嘉宾
94. 2020年, 厦门大学马来西亚分校, 管理马来西亚基金 2020 特邀嘉宾
95. 2019年10月31日, 马来西亚马来亚大学, 上游生物加工工程特邀嘉宾
96. 2019年9月30日, 马来西亚马来亚大学, 下游生物加工工程特邀嘉宾

97. 2019年9月4日, 英国诺丁汉大学, 保持动力以确保成功环节特邀嘉宾
98. 2019年10月11日, 日本神户大学, 液相双系统特邀报告嘉宾
99. 2019年5月7日, 中国海洋大学, 生物加工工程最新发展特邀报告嘉宾
100. 2019年5月14日, 中国武汉大学, 液 - 液分离特邀报告嘉宾
101. 2019年5月16日, 中国浙江大学, 两相系统特邀报告嘉宾
102. 2019年5月17日, 中国南京大学, 生物分离工程特邀报告嘉宾
103. 2019年5月21日, 中国药科大学, 液相双系统在制药工业中的应用特邀报告嘉宾
104. 2019年5月24日, 中国南京科技大学, “液相双系统能否应用于食品工业?”特邀报告嘉宾
105. 2019年10月25日, 越南科学与技术学院 (VAST), 越南, 新萃取方法特邀报告嘉宾
106. 2019年7月1日, 台湾明志科技大学, 液 - 液分配系统特邀报告嘉宾
107. 2018年12月20日, 中国南京农业大学食品科学与技术学院, 下游生物处理工程特邀报告嘉宾
108. 2018年10月25日, 越南科学与技术学院 (VAST), 生物分离工程特邀报告嘉宾
109. 2018年9月7日, 日本东京大学, 液相双分配系统特邀报告嘉宾
110. 2018年8月21日, 日本大阪大学, 水相两相系统特邀报告嘉宾
111. 2018年8月8日, 日本京都大学, 水相两相浮选系统特邀报告嘉宾
112. 2018年7月17日, 日本先进科学技术研究所, 液相双浮选系统特邀报告嘉宾
113. 2018年6月18 - 29日, 日本神户大学, 上游生物处理工程特邀报告嘉宾
114. 2018年6月11日, 台湾明志科技大学, 生物处理工程最新进展特邀报告嘉宾
115. 2018年5月14日, 新西兰怀卡托大学, “为什么选择生物处理工程?”特邀报告嘉宾
116. 2018年4月19日, 中国重庆大学, 生物分离方法最新进展特邀报告嘉宾
117. 2018年4月17日, 中国天津城建大学, 生物处理工程最新进展特邀报告嘉宾
118. 2018年3月25日, 台湾台北科技大学, 纳米技术在生物分离中的应用特邀报告嘉宾
119. 2018年3月23日, 台湾中兴大学, 离子液体在生物处理工程中的应用特邀报告嘉宾
120. 2018年6月21日, 台湾云林科技大学, “生物分离在我们生活中有多重要?”特邀报告嘉宾
121. 2017年生物技术最佳会议和国际生物技术研讨会, 基于液相双分配系统的脂肪酶回收特邀报告嘉宾
122. 越南第五届国家科学会议主旨报告嘉宾
123. 2019年, 台湾第十四届亚洲生物技术大会特邀嘉宾
124. 2019年, 台湾生物技术最佳会议和国际生物技术研讨会主旨报告嘉宾
125. 2019年, 马来西亚亚洲生物技术联合会分会国际研讨会特邀嘉宾
126. 台湾第四届替代燃料、能源与环境国际会议: 未来与挑战特邀嘉宾
127. 2019年, 泰国可持续能源与绿色技术国际会议特邀嘉宾
128. 2018年, 日本生物技术学会年会特邀嘉宾

129. 2018 年，台湾明志科技大学绿色生物处理工程论坛主旨报告嘉宾
130. 国际生物处理协会 - 环境可持续性先进膜生物反应器国际研讨会特邀嘉宾及环节主席
131. 2018 年，越南河内国际生物技术会议全体会议发言人
132. 2017 年，台湾生物技术最佳会议和国际生物技术研讨会特邀嘉宾
133. 2018 年，捷克布拉格，第 23 届化学与过程工程国际大会（CHISA）环节主席，及 2016 年布拉格，第 21 届过程集成、建模与优化以节能和减少污染国际会议（PRES）环节主席
134. 2015 年，马来西亚沙捞越古晋，环境研究研究生座谈会（POCER 2015）环节主席
135. 2015 年 6 月 7 - 10 日，美国加州圣地亚哥，第五届藻类生物质、生物燃料与生物产品国际会议特邀嘉宾
136. 2014 年 6 月 6 - 8 日，捷克布拉格，生物技术国际会议特邀嘉宾
137. 2012 年 5 月 6 - 8 日，马来西亚玻璃市，马来西亚玻璃市大学（UniMAP）生物处理工程国际会议特邀嘉宾
138. 2013 年 6 月 6 - 8 日，美国波士顿，世界生物技术大会 2013 特邀嘉宾
139. 2012 年 11 月 20 - 22 日，马来西亚雪兰莪，农业与食品工程国际会议特邀嘉宾
140. 2019 年，第十四届亚洲生物技术大会，报告主题：生物加工工程最新进展
141. 2019 年，亚洲生物技术联合会，报告主题：生物分离技术最新发展
142. 2015 年，第八届亚太干燥会议，报告主题：生物加工工程中的干燥技术
143. 2018 年，生物技术最佳会议，报告主题：生物加工工程中的绿色技术
144. 2018 年，生物技术会议，报告主题：新的生物分离策略：液相双分配系统
145. 2019 年，信息科技第六届世界大会，报告主题：开启 5G 在生物加工中的新时代
146. 2012 年，第三届食品、蔬菜和水果加工国际研讨会，报告主题：食品加工应用
147. 2018 年，绿色生物处理工程论坛，报告主题：可持续食品生物处理技术
148. 2019 年，绿色生物处理工程论坛，报告主题：可持续食品生物处理技术
149. 2017 年，环境研究研究生座谈会，报告主题：微藻对我们很重要
150. 2017 年，第四届环境研究研究生座谈会，报告主题：新的液相双系统
151. 2017 年，研究基金与创新引擎大会，报告主题：研究人员所需最新技术
152. 催化国际研讨会，报告主题：应用与当前展望
153. 2018 年，越南 IBS，报告主题：从岩石中生产石油

机构合作者

发起谅解备忘录（MOUs）以促进与知名大学的国际化合作：

1. 台湾元智大学
2. 台湾成功大学
3. 台湾中兴大学

4. 中国重庆大学
5. 台湾明志科技大学
6. 日本神户大学
7. 越南生物技术研究所
8. 中国重庆大学
9. 台湾东海大学
10. 沙捞越科技大学
11. 马来西亚橡胶委员会
12. 中国浙江大学
13. 厦门大学马来西亚分校
14. 新西兰怀卡托大学
15. Biolina Sdn Bhd

工业合作者、咨询、技术顾问

1. Biotajmeel Cosmeceutical Sdn. Bhd.
地址: Lot 3174, Batu 23, Jalan Kota Bharu - Machang, Malaysia
合作时间: 2019 年 6 月 - 2021 年 4 月
2. Ripcol Industries Sdn. Bhd. (586996k)
地址: No.9, Jalan Chepor 11/7, Kawasan Perusahaan Seramik Chepor, 31200, Chemor, Perak.
合作时间: 2017 年 9 月 - 2019 年 12 月
3. 马来西亚农业研究与发展研究所 (MARDI)
地址: Ibu Pejabat MARDI, Persiaran MARDI-UPM, 43400 Serdang, Selangor.
合作时间: 2016 年 1 月 - 至今
4. Twolink Sdn. Bhd. (Malaysia)
地址: No.9, Hicom Town Center, Jalan Kota Raja L 27/L, Seksyen 27, 40400 Shah Alam, Selangor.
合作时间: 2016 年 4 月 - 2020 年 12 月
5. Ventura Agro Entreprise (Malaysia)
地址: Jalan Robinson Falls, 39200 Cameron Highlands, Pahang, Malaysia
合作时间: 2020 年 2 月 - 至今
6. AlgaeCytes Limited
地址: Discovery Park House, Ramsgate Road, Sandwich, Kent CT13 9ND
合作时间: 2019 年 1 月 - 至今
7. Mentari Alam Eko (M) Sdn. Bhd.

地址: No. 192, Jalan LP 7/4, Kinrara Uptown, Taman Lestari Perdana, 43300
Seri Kembangan, Selangor Darul Ehsan

合作时间: 2019 年 1 月 - 至今

8. Biolina Corporation Sdn Bhd

地址: No. 30-32, Jalan Perindustrian Silibin 1, Kawasan Perindustrian Silibin,
30100 Ipoh, Perak

合作时间: 2019 年 1 月 - 至今

外展活动

学校讲座:

1. 2013 年 1 月 4 日, 由 SRJK (C) Kampung Tawas, Ipoh, Perak 组织的教育讲座和分享经验
2. 2013 年 12 月 30 日, 由 SMK St Michael, Ipoh, Perak 组织的教育讲座 - 规划你的未来
3. 2013 年至今, 为慈善组织 Nalanda Buddies Society 提供免费辅导课程, 科目包括数学、科学、化学和生物
4. 2014 年至今, 为 UPM Zhong Hua Society 筹集捐款
5. 从 Taman Bukit Kajang Baru, Kajang 的居民处收集回收物品
6. 2014 年至今, 为孤儿院“Rumah Keluarga Kami”筹集资金
7. 2018 年 6 月 27 日, 日本神户大学, 教育讲座, “作为研究员的生活”
8. 2019 年 8 月 29 日, 母校 SMI St Michael 学校讲座

市场活动:

1. 2019 年 3 月 23 日, 马来西亚诺丁汉大学 UNM 开放日
2. 2019 年 1 月 29 日, 来自老挝的学生访问马来西亚诺丁汉大学 UNM
3. 2018 年 11 月 28 日, UEC 高中访问
4. 2018 年 11 月 28 日, 青年工程师日
5. 2018 年 11 月 14 日, 指导来自 Hin Hua School (Klang) 的中学生
6. 2018 年 8 月 18 日, 马来西亚诺丁汉大学 UNMC 信息日
7. 2018 年 3 月 17 日, 马来西亚诺丁汉大学 UNMC 开放日
8. 2017 年 8 月 20 日, Mid Valley, KL 的 Sureworks 教育与进一步学习展
9. 2017 年 8 月 12 日, 马来西亚诺丁汉大学 UNMC 信息日
10. 2017 年 3 月 11 日, 马来西亚诺丁汉大学 UNMC 开放日
11. 2017 年 11 月 3 - 5 日, Mines 国际展览和会议中心 (MIECC) 的 KLSEF
12. 2016 年 8 月 3 日, 国际高中暑期项目 (Khanzada 学生暑期学校)

13. 2016年11月4-6日, Mines 国际展览和会议中心 (MIECC) 的 KLSEF

学生生活的培训师和顾问:

1. 2019年至今, UNM 商业伦理学会顾问
2. 2019年, Karex 行业考察旅行顾问
3. 2016年, 第11届全国 Chem-E-Car 竞赛学生生活的培训师和顾问
4. 2015年, 全国化工研讨会 (NACES) 学生生活的培训师和顾问
5. 2015年, 第10届全国 Chem-E-Car 竞赛学生生活的培训师和顾问 (获奖团队: Seah Wei Hon, Woo Khae Shen, Chay Jing Wen, Low Elaine)
6. 2014年12月2日, 学生参观 GAB 马来西亚的顾问
7. 2014年11月6日, 学生参观 Ajinomoto 马来西亚的顾问
8. 2012年12月13日, 学生参观 Cerebos (M) Sdn. Bhd.的顾问
9. 2012年11月22日, 学生参观 Am Steel Mill 的顾问
10. 2012年12月4日, 学生参观马来西亚棕榈油委员会 (MPOB) 的顾问
11. 2013年4月16日, 学生参观 Ipoh 地质博物馆和 Batu Gajah 锡矿博物馆的顾问

组织了超过 15 次工业和实地考察, 例如:

1. 2019年10月23日, 前往 IWK, Putrajaya 的工业实地考察
2. 2018年10月31日, 前往 The Italian Baker Sdn. Bhd.的工业实地考察
3. 2019年3月20日, 前往 Inno Bio Sdn. Bhd.的工业实地考察
4. 2018年3月27日, 前往马来西亚基因组研究所的工业实地考察
5. 2017年4月6日, 前往马来西亚国家药品监管局 (NPRA) 的工业实地考察
6. 2016年3月11日, 前往莫纳什双威大学化工实验室的工业实地考察

组织并安排了面向师生的公开讲座/讲座:

1. 主题: 台湾研究与学习的进展, 演讲者: 台湾元智大学教授兼博士 John Chi - Wei Lan, 日期: 2013年11月28日
2. 主题: 离子液体在生物分离中的应用, 演讲者: 马来西亚 UTAR 的 Lee Sze Ying 博士, 日期: 2019年2月20日
3. 主题: 癌症的靶向治疗, 演讲者: 马来西亚泰莱大学健康与医学科学学院药学系的 Foo Jhi Biau 博士, 日期: 2019年3月13日
4. 主题: “商业伦理”, 演讲者: BEIM 主席 Ong Ewe Hock 先生、BEIM 董事 So Kee Kok 先生和 APHEM 执行董事 K. Haridas 先生, 日期: 2019年10月14日
5. 主题: 用于脂肪酶提取的液相双浮选系统的发展, 演讲者: 马来亚大学的 Revathy 博士, 日期: 2019年3月6日
6. 主题: 废水处理, 演讲者: 马来西亚国油科技大学的 Lim Jun Wei 博士, 日期: 2019

年 3 月 29 日

7. 主题：环境工程，演讲者：马来西亚国油科技大学的 Ho Y. C. 博士，日期：2019 年 3 月 29 日
8. 主题：藻类生物质制氢的最新进展，演讲者：重庆大学能源与动力工程学院的 Ao Xia 博士，日期：2019 年 8 月 9 日
9. 主题：实验和建模工具研究食品过程中超声增强传质，演讲者：中国南京农业大学食品科学与技术学院的 Yang Tao 博士，日期：2019 年 1 月 30 日
10. 主题：超声，演讲者：T. Joyce Tiong 博士，日期：2019 年 4 月 18 日
11. 主题：“食品与过程工程师”，演讲者：UCSI 大学副教授 Grrace Ng，日期：2018 年 3 月 13 日
12. 主题：“工厂设计中的安全考虑”，演讲者：Synergy Specialist Engineering 的 Alvin 先生，日期：2018 年 10 月 10 日
13. 主题：如何撰写优秀的 FRGS 提案，演讲者：MOHE 基金小组主席、教授兼博士 Norhamidi Muhamad，日期：2019 年 7 月 23 日

参与了 EAC & ETAC 认证访问：

1. 厦门大学马来西亚分校
2. 马来西亚玻璃市大学（马来西亚玻璃市大学 UniMAP）
3. 吉隆坡马来西亚大学马来西亚化工与生物工程技术分校（UniKL MICET）

监督管理（博士生硕士生导师）

(A) 哲学博士 (Ph.D)

主要导师：

1. Yoong Kit Leong, 基于萃取生物转化水相双系统的生物聚合物生产（2013 年 9 月 - 2017 年 7 月） - 已毕业
2. Chioma Eberechukwu Ewurum, 藻类生物喷气燃料生产过程的技术经济分析（2013 年 11 月 - 2017 年 11 月） - 已毕业
3. Chung Hong Tan, 微藻生物能源生产 - 已毕业
4. Sze Ying Lee, 水相双浮选中生物分子回收与离子液体合成（2014 年 4 月 - 2017 年 7 月） - 已毕业
5. Isabelle Hui Yi Leong, 本土水果中生物成分的提取（2015 年 9 月 - 2018 年 11 月） - 已毕业
6. Revathy A/P Sankaran, 水相双浮选的大规模操作（2015 年 11 月 - 2018 年 5 月） - 已毕业

7. Chew Kit Wayne, 食品废物堆肥用于植物和藻类生长 (2016 年 12 月 - 2018 年 11 月) - 已毕业
8. Chia Shir Reen, 从海藻中提取生物活性化合物 (2018 年 1 月 - 2020 年 7 月) - 已毕业
9. Apurav Koyande, 从微藻中回收生物产品 (2018 年 7 月 - 2021 年 7 月) - 已毕业
10. Yew Guo Yong, 手套制造过程中蛋白质去除 (2018 年 10 月 - 2021 年 6 月) - 已毕业
11. Jerry Khoo, 从微藻生产鱼粉 (2019 年 1 月 - 2021 年 6 月) - 已毕业
12. Angela Paul Peter, 优化微藻生物量培养的最新途径: 使用新型光生物反应器设计 (2019 年 9 月 - 2022 年 7 月) - 已毕业
13. Doris Tang Ying Ying, 将产油微藻中的 PUFA 纳入棕榈油富集 (2019 年 9 月 - 2023 年 7 月) - 已毕业
14. Chia Wen Yi (Kathlyne), 使用液相双浮选优化棕榈油压榨中的糖提取 (2019 年 9 月 - 2023 年 7 月) - 已毕业
15. Nurul Syahirah Mat Aron, 使用膜分离过程从微藻中提取生物分子 (2019 年 9 月 - 2023 年 7 月) - 已毕业
16. Vishno Vardhan Devadas, 藻类在农业中的作用 (2020 年 10 月 - 至今)
17. Lim Hooi Ren, 螺旋藻同时培养和提取色素 (藻蓝蛋白) 系统的设计 (2020 年 10 月 - 2024 年 2 月) - 已毕业
18. Yongqiu Cai, 从微藻中提取生物活性化合物的包埋 (2021 年 2 月 - 至今)
19. Tham Pei En, 微藻水产养殖中的工业 4.0 (2021 年 9 月 - 至今)
20. Ng Yan Jer, 从微藻中提取糖脂以应用于工业 4.0 (2021 年 9 月 - 至今)
21. Chong Jun Wei Roy, 使用移动应用结合人工智能开发系统藻类数据库 (2022 年 2 月 - 至今)
22. Azalea Dyah Maysarah Satya, S. Si, 微藻和复制循环水管理在应对马来西亚水资源短缺中的作用 (2022 年 2 月 - 至今)
23. Wu Guowei, 开发创新的基于微藻的食品资源 (2023 年 6 月 - 至今)
24. Lee Chan Kok, 可持续低碳足迹螺旋藻培养用于动物饲料补充剂 (2023 年 6 月 - 至今)
25. Fathima Zahra Nashath, 微藻衍生物用于人类营养补充 (2023 年 9 月 - 至今)
26. Mohammad Reziq Keewan, 常压冷等离子体技术用于枣椰树汁液的保存和保质期延长 (2023 年夏季 - 至今)
27. Yazan Hani Abuhaseesh, 净零废水排放: 从废水培养的微藻中回收高价值化合物的循环生物经济概念 (2024 年春季 - 至今)

共同导师:

1. Yu Kiat Lin, 使用水相双浮选直接从蜡样芽孢杆菌中回收环糊精葡萄糖基转移酶 (2012 - 2016) - 已毕业
2. Kuok Yong Ling, 水相双系统中甘油碳酸盐的生产 (2012 - 2015) - 已毕业
3. Yin Hui Chow, 蛋白质分离的动态模拟 (2010 - 2014) - 已毕业
4. Wai Yan Cheah, 使用微藻从废水中提取生物能源的萃取生物转化 (2014 - 2018) - 已毕业
5. Win Nee Phong, 藻类中蛋白质回收 (2016 - 2017) - 已毕业
6. Yu Kai Ling, 藻类中生物炭的生产 (2017 - 2020) - 已毕业
7. Kee Chong Yee (2017 - 2018) - 已毕业
8. Guinevere Szeyin, 使用微藻去除重金属 (2018 - 2024) - 已毕业
9. Zhuang Dingling, 有价值生物分子的提取和生物分子处理的自动化 (2020 年 9 月 - 至今)
10. Chan Sook Sin, 微藻、生物修复、废水处理、微生物、降解 (2020 年 9 月 - 至今)

(B) 理学硕士 (MSc)

主要导师:

1. Ope Kehinde, 真菌中柠檬酸的分离、培养和生产 (2012 年 9 月 - 2013 年 9 月) - 已毕业
2. Fazalli Edward Koroh, 细菌生物聚合物的模拟与优化 (2013 年 9 月 - 2014 年 9 月) - 已毕业
3. Abdul Azim Bin Azmi, 使用膜多相系统回收蛋白质 (2019 年 1 月 - 2020 年 9 月) - 已毕业
4. Han Wen, 从微藻中提取生物油用于食品应用的新方法 (2023 年 9 月 - 2024 年 10 月) - 已毕业

共同导师

1. Nooshin, 使用基于离子液体的水相双系统从伯克霍尔德氏菌 ST8 中回收脂肪酶 (2011 - 2012) - 已毕业
2. Zeinab Sadat, 使用可回收的水相双系统进行提取发酵以纯化血红素菌漆酶 (2011 - 2012) - 已毕业
3. Pey Ling Chew, 直接回收脂肪酶 (2011 - 2014) - 已毕业
4. Malcolm S.Y. Tang, 聚乙二醇分子量对单壁碳纳米管分离的影响 (2011 - 2013) - 已毕业
5. Devamalini Rajagopalu, 保存方法对漆酶活性的影响以及从处理过的猴头菇 (Bull:Fr) Pers. 子实体中回收漆酶 已毕业

研究项目 / 资金

首席研究员和项目负责人:

项目名称及资金来源	起止时间和资金
微藻作为动物饲料添加物 资金来源: MCI Bio-Tech Sdn Bhd	2023年5月1日至2025年4月30日 马币 250,800 元
可持续低碳足迹螺旋藻养殖 资金来源: Prospect Bio-Tech 有限公司	2023年5月1日至2025年4月30日 马币 214,800 元
开发和验证智能集成微藻-水产养殖循环系统 (IMARS) 用于马来西亚可持续水产养殖 资金来源: CURTIN MALAYSIA, UMT, UNM, UTS 和 UTP	2023年1月1日至2026年12月31日 马币 200,000 元 (匹配研究资助)
基于人工智能的智能微藻技术 资金来源: Vbr Creative Plt	2022年3月1日至2024年2月28日 马币 204,200.00 元
微藻-细菌生物修复工业废水 资金来源: 栗田水与环境基金会 - 栗田海外研究资助 2021	2021年10月1日至2022年9月30日 日元 400,000 元 ~ 马币 15,445.20 元
利用液态双相浮选 (LBF) 方法从微藻中提取脂质 资金来源: Ventura Agro Enterprise	2020年9月1日至2023年8月31日 马币 231,600.00 元
设计同时培养螺旋藻和提取色素 (藻蓝蛋白) 系统 资金来源: Biolina Sdn. Bhd	2020年11月1日至2023年10月31日 马币 319,786.00 元
有机快速能源堆肥器 (OREC), 将食物和生物废物转化为可再生能源 资金来源: MENTARI ALAM EKO (M) SDN. BHD	2020年10月1日至2023年3月31日 马币 240,440.00 元
研究离子液体双相浮选系统中藻类蛋白质分配机制 资金来源: MyPAIR-PHC-Hibiscus, 马来西亚教育部	2020年5月至2022年4月 金额: 马币 45,000.00 元
研究三相浮选系统在从小球藻微藻中回收蛋白质的分离效率	2019年9月至2022年9月 马币 181,300.00 元

资金来源: 基础研究资助计划 (FRGS), 马来西亚教育部	
从橡胶手套中去除微藻蛋白 资金来源: TwoLink Sdn Bhd	2019年7月至2020年7月 马币 73,000.00 元
基于两相系统的椰子初榨油生产 资金来源: 公私研究网络 (PPRN)	2019年7月至2020年9月 马币 24,000.00 元
利用微藻技术将废水转化为生物能源和生物产品 资金来源: 日本生物技术学会	2019年1月至2020年12月 日元 300,000 元
高效回收和下游处理有价值的生物产品, 使用工业规模的水相两相浮选 资金来源: 原创研究资助计划 (PRGS), 马来西亚教育部	2016年1月至2018年12月 马币 110,000 元
研究基于离子液体的水相两相系统分配行为, 以改进微生物脂肪酶的生物分离过程 资金来源: 基础研究资助计划 (FRGS), 马来西亚教育部	2015年11月至2018年10月 马币 100,800 元
从马来西亚本土水果中提取生物成分 资金来源: 研究计划 (FoodPLUS), 未来作物研究中心 (CFFRC)	2015年9月至2018年12月 马币 142,415 元
研究离子液体基水相两相系统中脂肪酶的分配行为, 以改进微生物脂肪酶的生物分离过程 资金来源: MTSF, 马来西亚东丽科学基金会, 科学技术研究资助	2015年6月至2017年5月 马币 15,000 元
开发高效且成本效益的酶回收系统, 使用可回收的水相两相浮选 资金来源: 科学技术创新部 (MOSTI-02-02-12-SF0256)	2014年1月至2016年12月 马币 193,500 元
通过相形成和生物分子分配在水相两相浮选中改进下游处理 资金来源: 基础研究资助计划 (FRGS), 马来西亚教育部	2013年6月至2015年11月 马币 106,000 元
微藻培养系统与太阳能集成的扩大规模 资金来源: 低于 50K 的资本设备 (院长预算)	2013年6月至2015年11月 马币 33,500 元
使用水相两相系统提取和纯化绿色聚合物 (ATPS) 资金来源: 工程系院长奖学金, UNMC	2013年9月1日至2016年9月 马币 114,000 元
使用水相两相绿色系统从微生物脂肪酶中生产生物塑料 资金来源: 与公立大学和政府机构的合作	2013年9月至2014年3月 马币 10,000 元

使用萃取发酵水相两相系统的微生物生产柠檬酸 资金来源：与公立大学和政府机构的合作	2013年9月至2014年9月 马币 4,000 元
柠檬酸的生产 资金来源：院长本科生研究计划 2013 (DURS 2013)	2013年9月至2014年6月 马币 6,000 元
研究水相两相系统 资金来源：院长本科生研究计划 2014 (DURS 2014)	2013年6月至2014年9月 马币 4,000 元

共同研究者

- I. 项目名称：二氧化碳转化为有机酸以升级生物气为生物天然气 (BioCNG)
资金来源：马来西亚国能大学 (Universiti Tenaga Nasional)
项目周期：2019年5月16日 - 2020年5月15日
金额：30,000 马币
- II. 与 Davis Sdn Bhd 的工业项目 (马币 15,000)：为期 12 个月的项目，1 人/天
- III. Boustead Plantation 工业项目：为期 4 个月的项目，1 人/天

专利

- **PI 0103 BIPHASIC SUBLIMATION BIOSEPARATION SYSTEM** 双相萃取生物分离系统
- United States Patent and Trademark Office (USPTO) Serial No. 19/306,017: DIELECTRIC BARRIER DISCHARGE SYSTEM FOR COLD PLASMA TREATMENT OF LIQUID FOOD PRODUCTS

近期出版物列表，包括书籍/书籍章节/技术报告

2026

1. A. Zubir, E. Normaya, W. Hazman Danial, P. Sean Goh, M. Bijarimi Mat Piah, **Pau Loke Show**, A. Fauzi Ismail & M. Norazmi Ahmad*. "State-of-the-art modification, mechanistic insight and breakthrough curve analysis of chitosan scaffolds for sustainable heavy metal adsorbent." International Journal of Environmental Science and Technology (2026): 23 [Published: 03 January 2026].
2. Mohammad Keewan, Jahirul Ahmed Mazumder, Rambabu Krishnamoorthy, **Pau Loke Show**, Fawzi Banat*. "Microbial inactivation and quality retention of raw camel milk using dielectric barrier discharge cold plasma." LWT (2026): 240, 119008 [Accepted 5 January 2026].

2025

1. Peng Yangyang, Cheng Chen, Ao Xia, Yun Huang, Xianqing Zhu, **Pau-Loke Show**, Xun Zhu, and Qiang Liao. "Process simulation and exergy analysis of fermentative hydrogen and methane production." International Journal of Hydrogen Energy (2025) [Accepted 30 December 2024].
2. Kober AKM Humayun, Mohamed Abdin, Athira Subhash, Shao-Quan Liu, Enes Dertli, Basim Abu-

- Jdayil, **Pau-Loke Show**, and Mutamed Ayyash. "Exopolysaccharides from camel milk-derived *Limosilactobacillus reuteri* C66: Structural characterization, bioactive and rheological properties for food applications." *Food Chemistry: X* 25 (2025): 102164 [Accepted 5 January 2025].
3. Abuhasheesh Yazan, Aya Ghazal, Doris Ying Ying Tang, Fawzi Banat, Shadi W. Hasan, and **Pau Loke Show***. "Advances in *Chlorella* Microalgae for Sustainable Wastewater Treatment and Bioproduction." *Chemical Engineering Journal Advances* (2025): 100715 [Available online 10 February 2025].
 4. Abuhasheesh Yazan, Aya Ghazal, Doris Ying Ying Tang, Fawzi Banat, Shadi W. Hasan, and **Pau Loke Show***. "Green strategies for enhanced microalgae processes: leveraging bio-derived adsorbents, green solvents, and synthetic biology." *Journal of Environmental Chemical Engineering* (2025): 115986 [Accepted 25 February 2025].
 5. Chai Albe Bing Zhe, Bee Theng Lau, Irine Runnie Henry Ginjom, Mark Kit Tsun Tee, **Pau Loke Show**, and Enzo Palombo. "Development of a smart incubator for microalgae cultivation in food production: A case study of *Spirulina*." *Computers and Electronics in Agriculture* 233 (2025): 110163 [Accepted 19 February 2025].
 6. Chia Wen Yi, Kit Wayne Chew, Cheng Foh Le, Chelsea Siew Chyi Chee, Mae See Luan Ooi, and **Pau Loke Show***. "Correction: Chia et al. Utilization of Aerobic Compression Composting Technology on Raw Mushroom Waste for Bioenergy Pellets Production. *Processes* 2022, 10, 463." *Processes* 13, no. 3 (2025): 854 [Accepted: 4 March 2025].
 7. Zhang Xiu-xiu, Hong-yan Nan, Gong-gang Liu, **Pau-Loke Show**, and Chong-qing Wang. "A review on dissolved organic matter derived from biochar in soil: Characterizations, interaction with pollutants, and transformation." *Journal of Central South University* 32, no. 1 (2025): 122-148 [Published: 10 March 2025].
 8. Sofian Abu Danish Aiman Bin Abu, S. R. Majid, Kisuk Kang, Jang-Kyo Kim, and **P. L. Show***. "Upcycling and recycling of spent battery waste for a sustainable future: Progress and perspectives." *Progress in Materials Science* (2025): 101478 [Accepted 24 March 2025]. CiteScore: 59.6; IF: 33.6]
 9. Lim Hooi Ren, Kuan Shiong Khoo, and **Pau Loke Show***. "Impact of nutrient deficiency and harvesting strategy on biomass and phycocyanin production in *Spirulina* cultures." *Frontiers in Bioengineering and Biotechnology* 13 (2025): 1546801 [Accepted 24 March 2025].
 10. Supramani Sugendran, Nur Ardiyana Rejab, Zul Ilham, Rahayu Ahmad, **Pau-Loke Show**, Mohamad Faizal Ibrahim, and Wan Abd Al Qadr Imad Wan-Mohtar. "Correction: Supramani et al. Performance of Biomass and Exopolysaccharide Production from the Medicinal Mushroom *Ganoderma lucidum* in a New Fabricated Air-L-Shaped Bioreactor (ALSB). *Processes* 2023, 11, 670." *Processes* 13, no. 5 (2025): 1280 [Accepted: 9 April 2025].
 11. Ningrum Andriati, Hanifa Bagus, Umar Santoso, Heli Siti Helimatul Munawaroh, Eko Susanto, Birsen Yilmaz, and **Pau-Loke Show**. "Effect of edible coating from gelatin-k-carrageenan composites with the addition of orange peel extract (*Citrus sinensis* (L) osbeck) on the quality attributes of tomato (*Solanum lycopersicum*)." *Journal of Food Measurement and Characterization* (2025): 1-23 [Published: 17 April 2025].
 12. Han Wen, Fawzi Banat, Hanifa Taher, Wen Yi Chia, and **Pau Loke Show***. "Biomimetic Approaches for Renewable Energy and Carbon Neutrality: Advancing Nature-Inspired Approaches for Sustainable Development." *Sustainable Development* (2025) [First published: 21 April 2025].
 13. Adila Fazliyana AiliHamzah, Muhammad Hazwan Hamzah, Khairudin Nurulhuda, Hasfalina Che Man, Muhammad Heikal Ismail, and **Pau Loke Show**. "Formation of soluble organics and sugar degradation byproduct during hot compressed water pre-treatment of empty fruit bunch for

- biogas production." *Biomass and Bioenergy* 199 (2025): 107960 [Accepted 3 May 2025].
14. Doris Ying Ying Tang, Cendy Ooi, and **Pau Loke Show***. "Blue bioeconomy and biotechnology: towards a sustainably growing microalgae industry." *Blue Biotechnology* 2, no. 1 (2025): 13 [Published: 02 June 2025].
 15. Husain A. Sumeru, Fajriana S. Nurrusyda, Nova Rachmadona, Kuan Shiong Khoo, and **Pau Loke Show***. "Intensified cavitation process for the pretreatment of microalgae: a mini review." *Current Opinion in Chemical Engineering* 48 (2025): 101142 [Available online 6 May 2025].
 16. Justus Kavita Mutuku, Hsin-Chieh Kung, Wei-Hsin Chen, Chien-Er Huang, Kuan Shiong Khoo, and **Pau Loke Show**. "Influence of Bifurcation Morphology on Exercise-Induced PAH Deposition in the Lungs: A Computational Modeling Approach for Air Quality Research." *Biomechanics and Modeling in Mechanobiology* (2025): 1-18 [Published: 21 May 2025].
 17. Jun Wei Roy Chong, Kuan Shiong Khoo, Huong-Yong Ting, Iwamoto Koji, Zengling Ma, and **Pau Loke Show***. "Artificial Intelligence (AI) approach for the quantification of C-phycocyanin in *Spirulina platensis*: Hybrid stacking-ensemble model based on machine learning and deep learning." *Ecological Informatics* (2025): 103186 [Accepted 3 May 2025].
 18. San Juan, J. L. G., A. P. Mayol, E. Sybingco, J. S. Chang, and **P. L. Show**. "Target-oriented robust optimization for scheduling microalgal cultivation and harvesting for biofuel production." In *IOP Conference Series: Earth and Environmental Science*, vol. 1500, no. 1, p. 012022. IOP Publishing, 2025 [Published 1 May 2025].
 19. Fathima Zahra Nashath, Yan Jer Ng, Kuan Shiong Khoo, and **Pau Loke Show***. "Current contributions of microalgae in global biofuel production; cultivation techniques, biofuel varieties and promising industrial ventures." *Biomass and Bioenergy* 201 (2025): 108092 [Accepted 14 June 2025].
 20. Suksun Amornraksa, Malinee Sriariyanun, Atthasit Tawai, Prapakorn Tantayotai, Sunphong Thanok, Theerawut Phusantsumpan, **Pau Loke Show**, and Keerthi Katam. "Impact of Yeast Strain Selection on Ethanol Yield from Low Concentration KMnO₄ Pretreated Rice Straw: Process Design and Utility Cost Analysis." *Applied Science and Engineering Progress* 18, no. 3 (2025): 7776-7776 [Published: 16 Jul 2025].
 21. Guowei Wu, Jun Wei Roy Chong, Kuan Shiong Khoo, Doris Ying Ying Tang, and **Pau Loke Show***. "Upcycling food waste for microalgae cultivation toward lipid production in a closed-loop and system-integrated circular bioeconomy." *Biotechnology for Biofuels and Bioproducts* 18, no. 1 (2025): 74 [Published: 11 July 2025].
 22. Kiishhen Kobbin, Angela Paul Peter, Mohd Zuhair Mohd Nor, and **Pau Loke Show**. "Liquid Biphasic Flotation System (LBFS) for Separation of Protein from *Azolla pinnata*." *Pertanika Journal of Science & Technology* 33 (2025) [Accepted: 28 May 2025].
 23. Abu Danish Aiman Bin Abu Sofian, Nurul Atilia Binti Azman, Mohd Arif Dar, S. R. Majid, Mashallah Rezakazemi, Shujahadeen Aziz, Ranjdar M. Abdullah, and **P. L. Show***. "On the Derivation and Electrochemical Properties of Calcium Molybdate from Zeolitic Imidazole Frameworks for Supercapacitors." *iScience* (2025) [Accepted Date: 15 August 2025].
 24. Abdul Hai, Wan Mohd Ashri Wan Daud, Muhamad Fazly Abdul Patah, G. Bharath, Hamad AlMohamadi, Doris Ying Ying Tang, **Pau Loke Show**, and Fawzi Banat. "A comprehensive insight on activated carbon production from agricultural biomass: Parametric analysis, challenges, future recommendations & machine learning modelling." *Resources, Conservation & Recycling Advances* (2025): 200284 [Available online 16 August 2025].
 25. Doris Ying Ying Tang, Yongcai Feng, Lin Chen, Natasa Nastic, Fawzi Banat, and **Pau Loke Show***. "Advancing Sustainable Utilization of Date Palm, *Phoenix dactylifera*, a Multifunctional Resource

- for Agro-Industrial Applications." *Agricultural & Rural Studies* 3, no. 3 (2025): 23-23 [Published: 19 Sept 2025].
26. Yazan Abuhashesh, Fawzi Banat, **Pau Loke Show**, and Shadi W. Hasan. "Electro-assisted microalgae cultivation, harvesting, and recovery of high-value products: A review." *Bioresource Technology* (2025): 133269 [Accepted 3 September 2025].
 27. Ruoyan Wu, Xiaolin Wang, Siyu He, Minyi Wu, Panyu Li, **Pau-Loke Show**, Ping Han, Muhammad Hazwan Hamzah, Yongkui Zhang, Jing Chen*. "Robust immobilization of uranium using biogenic FeS with lignocellulose from green plant waste." *Chemical Engineering Journal* (2025): 528, 172352 [Accepted 26 December 2025].
 28. Zeyad M. Abdulhamid*, Yazan Abuhashesh*, Mohamed E. Daoud, Mahendra Kumar, Dalaver H. Anjum, **Pau Loke Show**, Shadi W. Hasan. "Waste microalgal biomass-derived biochar electrode for sustainable high-performance supercapacitors: Experimental and computational insights." *Environmental Technology & Innovation* (2025): 41, 104681 [Accepted 3 December 2025].
 29. Anette Gisela Botello-Ojeda, Eva Águila-Almanza, Heriberto Hernández-Cocoletzi, Edith Chavez-Bravo, María Beatriz Bernabé-Loranca, Chaofan Zhang, **Pau Loke Show** & Lilia Alejandra Conde-Hernández*. "Essential oils extracted from Mexican giant hyssop (*Agastache mexicana* subsp. *xolocotziana*) by a central composite face-centered (CCF) design." *Biomass Conversion and Biorefinery* (2025): 15, 31133–31148 [Published: 09 October 2025].
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