

Curriculum vitae: **Prof. Dr. RAMESH T. SUBRAMANIAM, FRSC, CChem, FASc, FTWAS**

Profile: <https://umexpert.um.edu.my/ramesh.html>

Present Position:

Senior Professor, Department of Physics, Faculty of Science, Universiti Malaya, 50603 Kuala Lumpur, Malaysia.

Nationality: Malaysian

Date of Birth: 20-11-1972

E-mail: ramesh@um.edu.my, rameshtsubra@gmail.com



Academic Qualification

PhD - University of Malaya (2004)

MTech (Materials Science) - University of Malaya (1999)

BSc (Hons)- University of Malaya (1997)

Measures of Esteem:

Total Citations: 10,649; h-index: 54

[Source: <https://www.webofscience.com/wos/author/record/C-2353-2009>]

Total Citations: 11,621; h-index: 58 [Source: <http://www.scopus.com>]

- Invited as **nominator** for “**The Nobel Prize in Physics for 2021**” by Nobel Committee for Physics on behalf of the Royal Swedish Academy of Sciences.
 - **Invited/Distinguished Professor** at Princeton University (USA); Durham University (UK) and Tianjin University (China)
 - World’s **Top 2%** (Precisely close to **Top 1%**) Scientists for Career-Long Citation Impact by Stanford University
 - World’s **Top 2%** Scientists for citation impact by Stanford University since 2019
 - Ranked **Number 2** in the world under the research title “Polymer Electrolyte” (*Google Scholar*)
 - Ranked **Number 5** in the world under the research title “Electrolyte” (*Google Scholar*)
 - Ranked **Number 6** in the world under the research title “**Electrochemical Devices**” (Source: *Google Scholar*)
 - Ranked **Number 2** in the world under the article title “Polymer Electrolyte” (Source: www.scopus.com)
 - **Principle Investigator for 4** interdisciplinary and multidisciplinary projects (Nanoelectronics, Food Innovation, Computational Fluid Dynamics and Smart City) under **Erasmus+ International Capacity Building**
 - Received **recognition** from **TWAS, GYA, ACS, Royal society, RSC, IUPAC, IAP, TYAN** etc.
 - Ranked top 0.3% in published papers, top 0.7% in citations and top 0.6% in h-index (Source: Exaly.com)
 - 1st most cited author in Journal of Non-Crystalline Solids (2011); 1st most cited author in Materials Science and Engineering B (2001); 1st most cited author in Ionics (2016); 1st most cited paper in Nanoscale Advances (2019) (Source: Exaly.com)
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- Publications in Journals : 335 (More than 75% as Corresponding or First Author)
 - Patents : 6
 - Book Chapter : 8
 - Technical Report : 6
 - Conference Proceedings : > 200 (as keynote, plenary, invited, oral and poster)
 - Awards/Recognition : More than 110
 - Research Grants : 86 grants (57 - External; 26 – Internal; 6- Consultancy)
 - Research Grants : More than RM 25 Million
 - Supervision (PG) : 51 students- completed; 17 students- in progress.
 - Supervision Completed. : 25 (PhD) ; 15 (Masters by Research)
 - Supervision (UG) : More than 80 students
 - Reviewer : > 200 International journals

Expertise: Material scientist well known for his outstanding scholastic contribution on solutions for energy storage and harvesting devices for a clean energy and sustainable smart cities of tomorrow.

PROFESSIONAL APPOINTMENTS

| No | Academic Position | Year | Institution |
|----|-------------------------|-------------------|--|
| 1 | Senior Professor | 2016 to currently | Universiti Malaya, Malaysia |
| 2 | Distinguished Professor | Oct 2022 onwards | IAS, Durham University, UK |
| 3 | Senior Research Fellow | Jan-Mac 2018 | Durham University, UK |
| 4 | Visiting Professor | Sept – Dec 2017 | Princeton University, USA |
| 5 | Professor | 2013 to 2015 | University of Malaya, Malaysia |
| 6 | Associate Professor | 2010 to 2012 | University of Malaya, Malaysia |
| 7 | Associate Professor | 2009 to 2010 | University of Tunku Abdul Rahman, Malaysia |
| 8 | Assistant Professor | 2005 to 2008 | University of Tunku Abdul Rahman, Malaysia |

Selected Recent Awards and Recognition:

| No | Name of Awards/Prize/Recognition | Awarding Body | Year |
|-----|---|--|------|
| 1. | Gold Medal and Best Invention in Technology Reversing Climate Change | ITEX 2023 | 2023 |
| 2. | Distinguished Researcher | Universiti Malaya | 2023 |
| 3. | IAS Distinguished Fellowship Award 2022 | Institute of Advanced Study (IAS), Durham University, UK | 2022 |
| 4. | “ASEAN - China Scholar” Award 2022 | The ASEAN - China Scholar Program (School of Chemical Engineering & Technology, Tianjin University, China) | 2022 |
| 5. | Automotive Excellent Award (1st Place)- 12 th Creation, Innovation, Technology & Research Exposition | UMP, Malaysia | 2022 |
| 6. | World's Top 2% Scientists-2021 | Stanford University, USA | 2021 |
| 7. | Honoured by inviting to nominate for "The Nobel Prize in Physics for 2021" | Nobel Committee for Physics on behalf of the Royal Swedish Academy of Sciences | 2021 |
| 8. | Best Project in Capacity Building Higher Education (CBHE) | ERASMUS | 2021 |
| 9. | Best of the Best Award - Asian Invention Excellence Award, ITEX, 2021 | Malaysian Invention and Design Society (MINDS) | 2021 |
| 10. | World's Top 2% Career-Long Citation Impact Scientists | Stanford University, USA | 2020 |
| 11. | World's Top 2% Most-Cited Scientists 2020 | Stanford University, USA | 2020 |
| 12. | Special Award - Malaysia Technology Expo 2020 (MTE 2020) - Category: Transportation, | Malaysia Technology Expo 2020 (MTE 2020) | 2020 |
| 13. | International Award of Merit in Conjunction with "The Malaysia-Croatia Technology Exchange 2020" | Malaysia Technology Expo 2020 (MTE 2020) | 2020 |
| 14. | University of Malaya Excellent Lecturer (Sciences) Award 2019 | University of Malaya | 2019 |
| 15. | MTSF Science & Technology Award 2018 | Malaysia Toray Science Foundation (MTSF) | 2018 |
| 16. | Durham International Senior Research Fellowship Award 2018 | Durham University, UK | 2018 |
| 17. | Rutherford Fund Strategic Partner Grants 2018 Award (Award Reference: RF-2018-50) | Universities UK | 2018 |