

Uracha Rungsardthong Ruktanonchai, B.Pharm, Ph.D.

Date of Birth: 29 August 1976

Nationality: Thai

Executive Director

National Nanotechnology Center (NANOTEC)

National Science and Technology Development Agency (NSTDA)

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Research Areas (H-index 43)

Lipid and polymeric nanoparticles, Nano-encapsulation, Advance drug delivery system

Education

- | | |
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| 1998-2002 | Philosophy of Doctoral (Ph.D.) in Advanced Drug Delivery, School of Pharmacy, University of Nottingham, England (Thesis title: Physicochemical evaluation of polymer-DNA complexes for DNA delivery) |
| 1994-1998 | Bachelor of Pharmacy (B.Pharm.), First class honour in Pharmaceutical Technology, Faculty of Pharmaceutical Sciences, Khon Kaen University, Thailand |

Work Experience

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| 2024 – present | Executive Director, NANOTEC |
| 2022 – 2024 | Executive Vice President (Organization Management), NSTDA |
| 2013 – present | Principal researcher, NANOTEC |
| 2022 – present | Program Director of Natural extract Innovation for Health product, Agenda sustainable Food and ingredients, NSTDA |
| 2019 – 2021 | Supermanager of Cosmeceuticals Technology Development Group, NSTDA |
| 2016 – 2020 | Deputy Executive Director of NANOTEC (in R&D) |
| 2015 – 2016 | Director of Nanotechnology for Life and Health Sciences Research Unit, NANOTEC |
| 2012 – 2015 | Director of Nanotechnology Research Unit, NANOTEC |
| 2007 – 2013 | Senior Researcher and lab head at Nano-Delivery System laboratory (NDS), NANOTEC |
| 2004 – 2006 | Researcher at National Nanotechnology Center (NANOTEC), National Science and Technology Development Agency (NSTDA), Thailand |
| 1998 – 2004 | Lecturer at Department of Pharmaceutical Technology, Faculty of Pharmaceutical Sciences, Khon Kaen University, Thailand |
| 2003 | Post-doctoral fellowship in DNA delivery at School of Pharmacy, University of Nottingham, England |
| 2002 – 2003 | Post-doctoral fellowship in Biomaterials at School of Biomedical Sciences, University of Nottingham, England |

AWARDS/ACHIEVEMENTS

1. 2020 – 2022 : being listed as top 2% of the most cited scientist in the field of Pharmacy & Pharmacology, Elsevier database.
2. 2018 : **UK alumni Award** Professional Achievement from the British council and UK Embassy
3. 2017 – present : selected to be **Fellow** of the Royal Society of Chemistry, UK (FRSC)
4. 2017 – present : appointed to be **Honorary Professor** by University of Queensland, Australia
5. 2015 – present : appointed to be **Adjunct Professor** of Asian Institute of Technology, Thailand
6. 2011 : **For Women in Science fellowship Award** from UNESCO-L’Oreal Foundation.
7. The **Young Scientist Award** of 2010 from the Foundation for the Promotion of Science and Technology under the Patronage of His Majesty the King, Thailand
8. Selected to be 1 of “66 Young Leaders Shaping Thailand’s Future of 2012” by the Bangkok Post newspaper which celebrated its 66 years in operation
9. Selected as one of ten prestigious Top careers for 2020 “This’s My Future” in 2009 organized by Thaikom foundation
10. Selected to be 1 of 10 “prestige Women of the Year 2006” by Prestige magazine, The nation, and Bangkok Business.
11. Selected to be one of Thai Young leader representatives to join STS forum, Japan 2014

Member/Social contributions

- **Editorial board** of FRONTIERS: Experimental Pharmacology and Drug Discovery (2021-present)
- **Editorial board** of RSC Advances (2018-2020)
- **Fellow** of the Royal Society of Chemistry, UK (FRSC)
- **Board member** of Faculty of Pharmacy, Thammasat University (2020-present)
- Selected to be a member of Thai Academy of Science and Technology Foundation (TAST)
- Selected to be a member of Thai Young Scientists Academy (TYSA)

Book Chapter

1. Amarporn Wongrakpanich, Jiraphong Suksiriworapong Sean M. Geary, Phawanan Sawangchan, Janjira Intra, **Uracha Ruktanonchai**, and Aliasger K. Salem Nanotechnology, mitochondria, and cancer Mitochondria-targeting particles for biomedical applications in Mitochondria dysfunctions and nanotherapeutics. Elsevier Publishing, ISBN 978-0-323-85666-9, 2021, Chapter 11, pp 291-310.
2. Handbook of Nanotechnology Applications :Environment, Energy, Agriculture and Medicine Micro and Nano Technologies, 2021, Elsevier Publishing. 2021, Elsevier Publishing. ISBN 978-0-12-821506-7 (Editors: Woei Jye Lau, Kajornsak Faungnawakij, Kuakoon Piyachomkwan and **Uracha Rungsardthong Ruktanonchai**)

IP applications more than 70 IPs in Thailand and 3 PCT

International publications more than 130