

Curriculum Vitae

Lt.Col. Dr. ASANKA Pramod Pallewatta / 亜山歌

Full name : Pallewatta Gamaralalage
Asanka Pramod Pallewatta

Date of Birth : 26th January 1980

Marital Status : Married **Nationality** : Sri Lankan

Address : 72/5/1, Yakkala Road, Indigolla,
Gampaha, Sri Lanka.

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Fields of Interest

Biomedical Engineering Applications in the domains of Āyurvēda and Parapsychology, Nanotechnology based Engineering Applications, Sustainable Energy, TPM, Science Diplomacy, Learning Centered Education, Fine-art / Fashion Photography, Sociolinguistics.

Academic Qualifications

* PhD (Denmark)

Institute : Department of Energy Conversion – Technical University of Denmark

Laboratory : Risø National Laboratory for Sustainable Energy, Roskilde, Denmark

Duration : July 2010 ~ October 2013 Completion : January 2014 Medium : English

* MEng (Japan)

Institute : Gifu University Graduate School of Engineering, Japan

Laboratory : National institute of Advanced Industrial Science and Technology, Nagoya, Japan

Duration : April 2006 ~ March 2008 Completion : March 2008 Medium : Japanese

* BEng (Japan)

Institute : Gifu University, Japan

Duration : April 2004 ~ March 2006 Completion : March 2006 Medium : Japanese

* Diploma in Fashion Design (Sri Lanka)

Institute : Asian Academy of Commercial Studies, Sri Lanka

Duration : July 2015 ~ March 2016 Completion : March 2016 Medium : English

* Diploma in Diplomacy and World Affairs (Sri Lanka)

Institute : Bandaranaike International Diplomatic Training Institute, Sri Lanka

Duration : February 2018 ~ March 2019 Completion : March 2019 Medium : English

Current Position : Senior Lecturer – Grade I

Department of Technology, Faculty of Indigenous Health Sciences and Technology, Gampaha Wickramārachchi University of Indigenous Medicine, Sri Lanka. (Since September 2021)

Military Rank : Lieutenant Colonel (Lt.Col.) in Sri Lanka Army Volunteer Force (Since 2014)

Researcher Metrics

Google Scholar h-index : 6 <https://scholar.google.com/citations?hl=en&user=w0bVdEgAAAAJ>

Research Gate  Score : 16.2 https://www.researchgate.net/profile/Asanka_Pallewatta2

Honors / Awards

- * Most Dynamic Student, International School of Crystallography in Erice, Italy (2011)
- * President's Special Award (Gold Medal), Gifu National College of Technology, Japan (2004)

Working experience

1. Worked as a Research Assistant developing wide bandgap semiconductors, in National Institute of Advanced Industrial Science and Technology. (2006~2008 in Nagoya, Japan)
2. Served as a Sinhalese/English/Japanese Interpreter for the Criminal Investigation Dept. of Japanese Prefectural Police HQs in Gifu, Aichi and Toyama. (2004~2010 in Japan)
3. Served as a Visiting Lecturer on International Affairs etc. in various regional events conducted by the Nagoya International Centre. (2005~2010 in Japan)
4. Worked as an Active Translator and Interpreter for Japanese Immigration Bureau, and all the prisons in Japan, through Kokusai Interpreting Co. Ltd. (2007~2010 in Japan)
5. Worked as an Academic Research Assistant in Gifu University Faculty of Engineering, focusing on TCO layers of Silicon solar cells. (2008~2010 in Gifu, Japan)
6. Worked as an Industrial-Government-Academic Uniting Researcher in Gifu University Faculty of Medicine, with a professional team of industrial partners, developing an intelligent system for emergency and acute care facility of the Gifu University Hospital, as a part of a massive national project. (2009~2010 in Gifu, Japan)
7. Worked as a PhD Scientist in Risø National Laboratory for Sustainable Energy, developing a green-chemistry solution deposition technique for buffer layer coating for rare-earth based superconductors. (2010~2013 in Roskilde, Denmark)
8. Worked as the Dean in Northshore College of Business and Technology (located in Colombo 15, Sri Lanka), having a successful academic collaboration with UWE – University of the West of England (2015~2016 in Colombo, Sri Lanka)
9. Worked as a Technical Interpreter for TPM (Total Productive Maintenance) audits, and confidential business advisory services for large-scale industries in Sri Lanka (since 2014)
10. Worked as a Member of Curriculum Development Committee in the KoICA project for establishment of National College of Technology Education in Kuliyaipitiya (in 2019)
11. Worked as a Member of Curriculum Development Committee in the BSc (Hons) in Sports Science degree programme for University of Kelaniya (in 2020)
12. Contributed as the Principal Writer for two degree programmes : BHSc (Hons) in HICT, and BHSc (Hons) in Biomedical Technology for Gampaha Wickramārachchi University of Indigenous Medicine (in 2020)
13. Worked as a Senior Lecturer (Grade II) in Department of Applied Computing, Faculty of Computing and Technology, University of Kelaniya (2016~2021)

Leaderships

1. **President** (2020~2021) and Secretary (2017~2018) of 'Sri Lankan Academy of Young Scientists'
2. **Dean** in Northshore College of Business and Technology (2015~2016 in Colombo, Sri Lanka)
3. Secretary of SLACJ – 'Sri Lanka Association Central Japan' (2007~2010 in Japan)
4. **International Youth Representative** in the 33rd JC Youth Voyage cruised from Nagoya (Japan) to Northern Mariana Islands in Pacific Ocean. (2006)
5. Founder / Vice Chairman of Royal College Japanese Society (1997 in Sri Lanka)

Language Proficiency

1. Sinhalese Native language
2. English TOEFL iBT score 80 (2009 September) TOEIC score 945 (2010 January)
3. Japanese Japanese Language Proficiency Test – Level 1 (2004 December)
4. Danish Danskuddannelse til Voksne Udlændinge – Modul 2 (2012 October)

Scientific Publications – Nanotechnology

01. Y. Zhao, J.C. Grivel, A.B. Abrahamsen, **P.G.A.P. Pallewatta**, D. He, J. Bednarčík, M.v. Zimmermann, "In-situ synchrotron x-ray study of the crystallization behavior of $Ce_{0.9}La_{0.1}O_{2-x}$ thin films deposited on NiW alloy substrates by chemical solution method", *Materials Letters*, Vol.65 (2011) p.2669~2672
02. J-C. Grivel, N.H. Andersen, **P.G.A.P. Pallewatta**, Y. Zhao, M. von Zimmermann, "Influence of Bi, Se and Te additions on the formation temperature of MgB_2 ", *Superconductor Science and Technology*, Vol.25 (2012) 015010 (6pp)
03. **Pallewatta P.G.A.P.**, Zhao Y., Grivel J.C. "Development of Strontium Titanate Thin films on Technical Substrates for Superconducting Coated Conductors", *Proceedings of ICEC 24-ICMC 2012*, edited by K. Funaki, A. Nishimura, Y. Kamioka, T. Haruyama and H. Kumakura © Copyright by Cryogenics and Superconductivity Society of Japan 978-83-7493-589-0, 2012
04. Y. Zhao, J.C. Grivel, D. He, **P.G.A.P. Pallewatta**, A.B. Abrahamsen, J. Bednarčík, M. v Zimmermann, "In-situ synchrotron X-ray study of the phase and texture evolution of Ceria and Superconductor films deposited by chemical solution method", *Physics Procedia*, Vol.36 (2012) p.497~502
05. J-C. Grivel, Y. Zhao, A.C. Wulff, **P.G.A.P. Pallewatta**, J. Bednarčík, M.v. Zimmermann, "In situ X-ray diffraction study of the formation of Fe(Se,Te) from various precursors", *Physics Procedia* Vol.36 (2012)
06. **Asanka Pramod Pallewatta**, Yue Zhao, Tian Hui, Jean-Claude Grivel, "Strontium Titanate Buffer Layers on Cu-33%Ni Substrates using a Novel Solution Chemistry", *The 8th Pacific Rim International Congress on Advanced Materials and Processing*, Edited by: Fernand Marquis, TMS (The Minerals, Metals & Materials Society), 2013.
07. J-C. Grivel, Y. Zhao, X. Tang, **P.G.A.P. Pallewatta**, A. Watenphul, M.v. Zimmermann, "Thermal decomposition of lanthanum(III) butyrate in argon atmosphere", *Thermochimica Acta*, Vol.566 (2013)
08. J-C. Grivel, Y. Zhao, X. Tang, **P.G.A.P. Pallewatta**, A. Watenphul, M.v. Zimmermann, "Thermal decomposition of yttrium (III) valerate in argon", *Journal of Analytical and Applied Pyrolysis*, Vol.106 (2014) p.125~131
09. J-C. Grivel, M.J. Suarez Guevara, F. Attique, Y. Zhao, X. Tang, **P.G.A.P. Pallewatta**, A. Watenphul, M.v. Zimmermann, "Thermal decomposition of yttrium (III) hexanoate in argon", *Journal of Analytical and Applied Pyrolysis*, Vol.112 (2015) p.237~243
10. J-C. Grivel, Y. Zhao, X. Tang, **P.G.A.P. Pallewatta**, A. Watenphul, M.v. Zimmermann, "Thermal decomposition of Yttrium(III) isovalerate in argon", *Journal of Analytical and Applied Pyrolysis*, Vol.120 (2016) p.341~346
11. J-C. Grivel, Y. Zhao, X. Tang, **P.G.A.P. Pallewatta**, A. Watenphul, "Thermal decomposition of heavy rare-earth butanoates, $Ln(C_3H_7CO_2)_3$ ($Ln = Er, Tm, Yb$ and Lu) in argon", *Journal of Thermal Analysis and Calorimetry*, Vol.126 (2016) p.1111~1122
12. J-C. Grivel, M.J. Suarez Guevara, Y. Zhao, X. Tang, **P.G.A.P. Pallewatta**, J. Bednarčík, A. Watenphul, "Thermal behavior and decomposition of cerium(III) butanoate, pentanoate and hexanoate salts upon heating in argon", *Journal of Analytical and Applied Pyrolysis*, Vol.126 (2017) p.77~87
13. J-C. Grivel, Y. Zhao, X. Tang, **P.G.A.P. Pallewatta**, A. Watenphul, "Thermal decomposition of Yttrium 2-methylbutyrate in argon" *Journal of Analytical and Applied Pyrolysis*, Vol.150 (2020) p.1~8

Scientific Publications – Education/Pedagogy

01. **Dr. Asanka Pallewatta**, "Initial Study on the Applicability of Learning Centred Education Concepts to the Computer-based Technology Education in Sri Lanka", 3rd International Conference on Education and Distance Learning, ISSN 2513-2946 (2017)
02. R.H.U. Jayantha, M.K. De Pasqual, Namali Suraweera, M.R.K.N. Yatigammana, **Asanka Pallewatta**, P.G. Wijayarathne, "Introduction of a Four Stage Process of Developing Interactive Multimedia Based E-learning Materials", *Kelaniya International Conference on Advances in Computing and Technology (KICACT-2017) Proceedings*, ISBN 978-955-704-048-6 (2017) p.33

Scientific Publications – Japanese Linguistics

- Dr. Asanka Pallewatta**, "Brief Study on the Practical Use, Importance, and Specific Variations of the Kansai Dialect in Contemporary Japanese Language", *Abstracts – The 3rd International Conference on Linguistics in Sri Lanka*, ISSN 2513-2954 (2017) p.101

Scientific Publications – Miscellaneous

1. Kaveesha Gangadari Induruwa, **Asanka Pramod Pallewatta**, "De-Identification for Privacy Protection in Audio Contents", KICTACT-2017 Proceedings, ISBN 978-955-704-048-6 (2017) p.20
2. Alan Steve Anthony, **Asanka Pramod Pallewatta**, "Four Legged Walking Robot with Smart Gravitational Stabilization", KICTACT-2017 Proceedings, ISBN 978-955-704-048-6 (2017) p.29
3. Sanchitha Dias, **Asanka Pramod Pallewatta**, "Indoor Low Cost Multipurpose Autonomous Blimp Robot: Mechanical Implementation", KICTACT-2017 Proceedings, ISBN 978-955-704-048-6 (2017) p.32
4. **Asanka Pallewatta**, M. Wickramathilaka, M.Y. Hassan, Hayati Abdullah "Non-Intrusive Load Monitoring in Commercial Buildings: Recent Developments and Challenges" International Conference on Advances in Computing and Technology (KICTACT-2020) Proceedings, ISSN 2756-9160 (2020) p.142~144
5. **P.G.A.P. Pallewatta**, T.M.S.P.K.S. Bandara, K.D.L. Kularathna, K.A.L. Udayanga, T.N.Fernando "Preparation of Stationary Papers for Writing and Printing Purposes using Recycled Waste Papers in Domestic Level" Proceedings of the National Engineering Research Symposium (2021) p.105~111

Scientific Conferences / Seminars

1. Presenter – 24th International Cryogenic Engineering Conference – International Cryogenic Materials Conference 2012, Fukuoka, Japan. (2012)
2. Presenter – The 8th Pacific Rim International Congress on Advanced Materials and Processing, Waikoloa, Hawaii, USA. (2013)
3. **Panelist and Speaker** – "Hazardous Materials & Industrial Safety", A.P. Pallewatta, International Conference on Safe & Secure Handling of Haz. Material, Sri Lanka. (2015)
4. Session Chair – SEARCC (South East Asia Regional Computer Confederation) / National IT Conference (NITC), Colombo, Sri Lanka (2017)
5. **Conference Chair** – International Conference: KICTACT, Kelaniya, Sri Lanka (2017)
6. "ICT in Higher Education Innovation" Seminar (21 days), Shenzhen, China (2017)
7. Organizing Committee – South Asian Biotechnology Conference, Colombo, Sri Lanka (2018)
8. Scientific Committee Member – MiCRADS'18 / Multidisciplinary International Conference of Research Applied to Defense and Security, Salinas, Ecuador (2018)
9. **Keynote Speaker** "Sustainable Energies: Future Role of their Innovations" – International Conference on Techno-A-Tech 2018, Chhattisgarh, India (2018)
10. **Resource Person** "Designing instruction for a Learning-Centred Undergraduate Programme" – for the Staff Development Programme at NSBM, Homagama (2018)
11. Scientific Committee Member – MiCRADS'19 / Multidisciplinary International Conference of Research Applied to Defense and Security, Rio de Janeiro, Brazil (2019)
12. Panelist – "Internet for Education" Forum, Ministry of Education, Colombo, Sri Lanka (2019)
13. Scientific Committee Member – MiCRADS'20 / Multidisciplinary International Conference of Research Applied to Defense and Security, Quito, Ecuador (2020)
14. Invitee – Commonwealth Science Conference Kigali Feeder Meeting, Scheduled for April 2020 to be held in Kigali, Rwanda (Cancelled due to the COVID-19 Pandemic)
15. **Conference Chair** – International Conference on Advances in Computing and Technology (ICTACT), Kelaniya, Sri Lanka (2020)
16. **Guest Speaker** – "Interdisciplinary Computing Applications with Nanotechnology" at International Conference on Advancements in Computing (ICAC), Sri Lanka (2020)
17. **Guest Speaker** – "Bloom's Taxonomy and Learning Centered Education" at Induction/Refresher programme on Recent challenges in Teaching pedagogy (online) hosted by Chouksey Engineering College, Bilaspur Chhattisgarh, India (2021)
18. **Secretary** – International Research Symposium on Indigenous Knowledge Systems hosted by Gampaha Wickramarachchi University of Indigenous Medicine, Sri Lanka (2022)

University / Academic Contributions

- 01 Lecturing and Paper Setting, University of Kelaniya
 - a Subject : Engineering Drawing with CAD : 1st Year Students
 - b Subject : Languages for Professionals – Japanese I : 2nd Year Students
 - c Subject : Languages for Professionals – Japanese II : 3rd Year Students
 - d Subject : Conventional and Alternative Energy : 4th Year Students
- 02 Visiting Lecturing for Faculty of Humanities, University of Kelaniya
 - a Subject : Introduction to Computer Science – I : 2nd Year Students (Japanese Medium)
 - b Subject : Introduction to Computer Science – II : 2nd Year Students (Japanese Medium)
 - c Subject : Introduction to Programming : 3rd Year Students (Japanese Medium)
- 03 Visiting Lecturer – University of Kelaniya Staff Development Course for Probationary Lecturers Cycle 19 – Since 2018
- 04 Paper Moderation
External Moderator – University of Ruhuna
Course Unit Bio-Medical Equipment (ENT 4152) – Since November 2020
- 05 Student Affairs
 - a Student Counsellor, University of Kelaniya – 2015/2016
 - b Student Counsellor, University of Kelaniya – 2016/2017
 - c Student Counsellor, University of Kelaniya – 2017/2018
 - d Student Counsellor, University of Kelaniya – 2018/2019
- 06 Sports Affairs
 - a Sports Advisory Board Member, University of Kelaniya 2017/2018
 - b Sports Advisory Board Member, University of Kelaniya 2018/2019
- 07 Web Administration
 - a Faculty Web Master, University of Kelaniya – 6th January 2017 ~ 6th January 2019
 - b Department Web Master, University of Kelaniya – Since 2nd August 2020
- 08 International Affairs
Committee Member – University of Kelaniya Committee for International Affairs
Since 15th September 2020
- 09 Center Chief at G.C.E. A/L Paper Marking
Subject : Science for Technology Since 2019 September
- 10 Supervisor – MPhil Degree Programme
Faculty of Graduate Studies, University of Kelaniya
Student Number : FGS/01/MPhil/02/2017/05
- 11 Reviewer – National Engineering Research Symposium – 2020 November
- 12 Reviewer – International Conference on Communication, Information and Computing Technology (ICCICT–2021) in the Track : Security, Privacy and Ethics in Digital Era organized by Sardar Patel Institute of Technology, Mumbai, India
- 13 Panel Member – University of Kelaniya FGS Research Students' Colloquium – 2020 Dec
- 14 Faculty Representative Committee Member – COVID19 Response Committee – 2020/2021
- 15 University Senate Member – Gampaha Wickramarachchi University of Indigenous Medicine

Other Achievements

Won the First Place for the Best Stylish and Commercial Collection in the AACS (Asian Academy of Commercial Studies) Graduation Fashion Show (2015 in Sri Lanka)