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Research Scientist

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Qualifications	M.Sc. – Physics of Materials (University of Peradeniya) (2021) B.Sc. – Special Degree in Applied Physics (Sabaragamuwa University of Sri Lanka - 2014)
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Research Experience	9 years research experience in application of advanced materials, gel- polymer electrolyte, electro chromic devices, Li-ion batteries and electronics
Interest Areas	Materials Science : Gel-polymer electrolytes, advanced ceramics, electro chromic devices, Electronics : Microcontroller circuit designing Physics : Earth gravity, Air pressure
Publications	• H.C.D.P. Colombage, R.C.L. De Silva, D. Samarawickrama, H.M.B.I. Gunathilaka, P. Subramanium, H P P S Somasiri. Comparison of Dropping Points of Conventional Grease and Modified Grease with Graphite, 8th International Conference of Sabaragamuwa University of Sri Lanka, December 2021(pg. 110) • H. M B. I. Gunathilaka, V. A. Seneviratne, H. N. M Sarangika. Development of PVP Based Electrolytes and Their Applications in Electrochromic Devices, 8th International Conference of Sabaragamuwa University of Sri Lanka, December 2021(pg. 111) • H. M B. I. Gunathilaka, V. A. Seneviratne, H. N. M Sarangika. Development of Non Polymer Gel Electrolyte and Their Applications on Electrochromic Devices, Peradeniya University International Research Sessions 2021, Vol. 23, November 2021(pg. 504) • H. M B. I. Gunathilaka, V. A. Seneviratne, H. N. M. Sarangika. Development of liquid electrolyte and their applications in electrochromic devices. 36th Technical Sessions, Institute of Physics, Sri Lanka. September 2020 (pg. 81 - 86). • A.M.K.L. Abeykoon, G.M.L.P. Aponsu, V.P.S. Perera, H.A. Vimal Nadeera and H.M.B.I. Gunathilaka. Self-cleaning, hydrophobic, antifogging, TiO2 coating for photovoltaics solar panels. 76th Annual Sessions - Sri Lanka Association for the Advancement of Science (SLAAS). December, 2020 (pg. 150) • H.C.D.P. Colombage, K.G.R.U.I. Jayaweera, R.C.L. De Silva, D. Samarawickrama, I. Gunathilaka, P. Subramanium and H.P.P.S. Somasiri. Comparison and characterization of developed grease and graphite grease, 76th Annual Sessions - Sri Lanka Association for the Advancement of Science (SLAAS). December, 2020(pg. 76).

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