

Sagith Dulanjala Perera

M.Sc (Materials Science), Grad.Chemist, M.Ichem.C

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Sri Lanka.



Professional Summary.

Accomplished R&D Manager with over a decade of experience in material science, research, and product innovation. Proven expertise in managing cross-functional teams, leading high-impact projects, and mentoring future professionals. Adept at leveraging analytical thinking and leadership to drive organizational growth, optimize operational efficiency, and deliver market-leading products. Seeking a senior management role to contribute to organizational success through strategic planning and technical excellence.

Core Competencies.

- Strategic Planning & Leadership.
- Research & Development Management.
- Project Management & Execution.
- Product Innovation & Commercialization.
- Team Mentorship & Development.
- Quality Assurance & Compliance (ISO 9001:2015)
- Analytical & Problem-Solving Skills.
- Stakeholder Engagement.

Professional Experience.

Manager - Research & Development, Swisstek Ceylon PLC | 07/2022 – Present.

- Leading R&D initiatives to develop premium products, including epoxy and construction grout materials, achieving increased market competitiveness.
- Spearheading the development of a 40,000 sq. ft. warehouse project, overseeing planning, team collaboration, and resource management.
- Supervised undergraduate research projects, fostering innovation and technical acumen in students.
- Partnered with the National Building Research Organisation to create cutting-edge cementitious materials.
- Mentored teams to enhance productivity, achieving a 15% improvement in project delivery timelines.

Senior Executive - Quality Assurance, Atlas Axillia (Pvt) Ltd | 07/2020 – 01/2022.

- Directed quality assurance programs, ensuring compliance with ISO 9001:2015 standards, reducing defects by 25%.
- Conducted root cause analysis, implementing corrective actions to enhance product reliability.

Quality Assurance Executive, Atlas Axillia (Pvt) Ltd | 05/2018 – 01/2020.

- Optimized QA processes, streamlining workflows and reducing inspection time by 20%.
- Supported R&D activities to align production quality with organizational goals.

Research Assistant, Industrial Technology Institute | 07/2015 – 12/2017.

- Contributed to multiple research projects in material science, publishing findings in renowned journals and conferences.
- Developed eco-friendly packaging materials, driving sustainable innovation in the packaging sector.

Education.

- Master of Science in Materials Science, University of Moratuwa, Sri Lanka | 09/2015 – 06/2020
- Graduateship in Chemistry, Institute of Chemistry Ceylon, College of Chemical Sciences | 02/2010 – 09/2014

Key Projects.

- Development of Epoxy Blend Putty: Invented and patented an epoxy blend putty for sealing purposes (Patent No. LK/P/1/22650).
- Cementitious Construction Grout: Collaborated with NBRO to develop high-performance grout materials, including expansive agent testing and market-ready formulations.
- Acrylic Wall Filler Development: Formulated a market-ready acrylic wall filler with superior durability and enhanced aesthetic properties, increasing product adoption and sales.
- Warehouse Fabrication: Managed the end-to-end planning and construction of a large-scale warehouse, optimizing design for cost-effectiveness.

Publications & Patents.

Patent: Epoxy blend putty for sealing purposes (LK/P/1/22650).

Publications:

Chitosan-based Composites: Investigated the gelation effects of chitosan concentration in hydroxyapatite/ Na_2CO_3 systems.

Graphene Oxide for Supercapacitors: Synthesized and characterized reduced graphene oxide for energy storage applications.

Graphite-based Refractory Bricks: Studied flexural strength changes in graphite-based refractory bricks under oxidative conditions.

Eco-friendly Packaging: Developed biodegradable packaging from banana pseudostem for transporting fruits and vegetables.

Refractory Crucibles: Fabricated refractory crucibles using locally sourced graphite and kaolinite.

Postharvest Quality Management: Worked on production and commercialization of eco-friendly materials for postharvest fruit and vegetable management.

Certifications.

- Internal Auditing for ISO 9001:2015 Quality Management Systems – Sri Lanka Standards Institution (2019).
- Awareness Training on Quality Management Systems as per ISO 9001:2015 – DNV.GL (2018).
- Workshop on Advanced Material Science: Modern Applications and Future Trends – Industrial Technology Institute (2015).
- Scientific Writing and Hands-on Training – Industrial Technology Institute (2015).
- Workshop on Photovoltaics: Needs, Science, and Applications – University of Kelaniya (2016).
- Training Seminar on Electrochemical Technology – Institute of Chemistry Ceylon (2014).
- Renewable and Alternative Energy towards Facing Fuel Crisis – Institute of Chemistry Ceylon (2012).
- Toxicology: Clinical, Industrial, and Environmental Applications – Institute of Chemistry Ceylon (2012).
- Nanotechnology and Its Applications – Institute of Chemistry Ceylon (2011).
- Photochemistry for the Wellbeing of Society – Institute of Chemistry Ceylon (2011).
- Advanced Materials Science: Modern Applications and Future Trends (2015).
- Awareness Training on Quality Management Systems as per ISO 9001:2015 (2018).

Memberships.

- Member, Institute of Chemistry Ceylon

References.

- S. U. Adikary., Professor., University of moratuwa, Sri Lanka suadium.lk, +94774989527
- Malaka Jayaweera, Manager Procument., Swisstek Ceylon PLC,malakar@swisstekceylon.com, +94716234040

Declaration.

I hereby declare that I have disclosed all the information known to my best knowledge & I have not withheld or altered