

**CURRICULUM VITAE
ROBERT KIMUTAI TEWO**

A. Demographic

Robert Kimutai Tewo

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Research Interests

1. Advanced and Applied Materials.
2. Clean Technologies.
3. Environment and Water utilization Management

B. Education

Academic Qualifications

Qualification	Institution	Year
Doctor of Philosophy (PhD) – Chemical Engineering	Vaal University of Technology, South Africa	December 2020
Masters of Technology (MTech) – Environmental Science -	Tshwane University of Technology, South Africa	May 2015
Bachelor of Technology in Chemical and Process Engineering	Moi University, Kenya	December 2009

C. Professional History

1. Tutorial Fellow, Department of Chemical Engineering, Dedan Kimathi University of Technology; August 2020 – to date;
2. Technical Team Leader, Diamond Water Consulting; January 2015 – December 2016;

3. Researcher, Water Research Division, Department of Environmental and Earth Science, Tshwane University of Technology, South Africa; January 2013 – December 2014;
4. Assistant Process Engineer; Marlow Aquatec (Pty), South Africa; - March 2012 – December 2012;
5. Technical Sales Leader; Kenya Ceramics Project; August 2010 – May 2011.

Publications

1. **R. K. Tewo**, H.L Rutto, W Focke, S Ramjee and T. Seodigeng, 2020. – Investment casting pattern material based on paraffin wax, fortified with EVA and filled with PMMA – Journal of Applied Polymer Science, 137(4): 1-7.
<https://onlinelibrary.wiley.com/doi/full/10.1002/app.48774>
2. **R. K. Tewo**, H.L Rutto, W Focke, T. Seodigeng and L.K Koech, 2018. – Formulation, development and characterization techniques of investment casting patterns – A Review- Reviews in Chemical Engineering, 35(5): 12-29.
<https://www.degruyter.com/view/j/revce.2019.35.issue-3/revce-2017-0068/revce-2017-0068.xml>
3. **R. K. Tewo**, J. P. Maree, S.J Ruto, H.L Rutto & L.K Koech, 2017. – Gypsum reduction process and its validation using Mintek Pyrosim model – Journal of Chemical Engineering Communication 204(12): 1412-1419.
<https://www.tandfonline.com/doi/full/10.1080/00986445.2017.1365064>
4. A. B Mapossa, W. W Focke, **R. K Tewo**, R.Androschand T. Kruger, 2021 – Mosquito-repellent controlled-release devices for fighting infectious diseases: A review- in Malaria Journal, Accepted for publication.
5. **R.K Tewo**, H.L Rutto, W Focke, S Ramjee and T. Seodigeng, 2020 – Thermal and mechanical properties of investment casting pattern material based on paraffin wax fortified with LLDPE and filled with PMMA, AIP Conference Proceedings, 2289(1): 1-5.
<https://aip.scitation.org/doi/10.1063/5.0028425>
6. **R.K Tewo**, J.P. Maree, S.J. Ruto, M. Masukume, A.V. Kolesnikov and C.J.S. Fourie - Gypsum processing into calcium carbonate and hydrogen sulphide in: WaterInstitute of Southern Africa Conference 2014 biennial conference, 25-29 May 2014, Nelspruit, South Africa.
7. **R.K Tewo**, J.P. Maree, S.J. Ruto, M. Masukume, A.V. Kolesnikov and C.J.S. Fourie – Processing of calcium sulphide to calcium carbonate and hydrogen sulphide in. 23rd World

Congress on Petrochemistry and Chemical Engineering, 18 – 20 November 2013, San Antonio, USA.