



Stellenbosch

UNIVERSITY
IYUNIVESITHI
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INNOVUS

Innovation and Commercialisation
Ukusungulwa kwezinto ezintsha nokurhweba
Innovasie en Kommersialisering

Stellenbosch University Legacy Technologies

Stellenbosch University (SU) hosts a diverse portfolio of innovative technologies developed by leading researchers across multiple faculties. These technologies span sectors such as renewable energy, biotechnology, agriculture, engineering, health sciences, materials science, and digital solutions. However, as research teams and research trends progress some technologies become obsolete but may hold value to specific stakeholders. The list below shows legacy technologies in the SU portfolio which have not been commercialised and for which we have limited information. If you have interest in any technology below we will be able to share limited information with you.

NOTE: Closing date – 45days from advertisement

Please send an email to achisa@sun.ac.za if you have any queries.

SU Tech ID	Title
SU-CASE-2011-0010	Grapevine micro RNA's and artificial micro RNA's as tools for diagnostics and plant improvement
SU-CASE-2011-0011	Solar Chimney power plant simulation programme
SU-CASE-2011-0051	The effect of UV-C treatment on the sterilisation of beer
SU-CASE-2012-0011	Use of Van-der-Waals forces actuated polyurethane micro-grippers in the handling of IC micro-components
SU-CASE-2013-0004	Heterologous expression of an Aspergillus tubingensis Ferulic Acid Esterase at high production levels in Aspergillus niger
SU-CASE-2013-0009	Dual-Pressure Gas Receiver System [Patent Name: Solar collector plant with thermal storage]
SU-CASE-2013-0012	Water collection trough system.
SU-CASE-2013-0016	A method for the production of sugarcane with a more readily fermentable residue after sugar extraction
SU-CASE-2013-0020	Model based correction of drivetrain-specific periodic tracking errors in heliostats
SU-CASE-2013-0026	Orthopaedic Trauma Application for Smartphones
SU-CASE-2013-0028	Process Analysis & Reporting in the Cloud
SU-CASE-2013-0029	'n Leesondersteuningstegniek vir tekste wat elektronies beskikbaar gestel word vir opleidingsdoeleindes in die korporatiewe sektor
SU-CASE-2014-0002	Energy saving single-phase swimming pool pump motor [check for IP7 and IP1] - Confirm Status with NIPMO



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SU-CASE-2014-0009	Cone rock bed high temperature thermal energy storage system for concentrating solar power plants
SU-CASE-2014-0016	New Improved Dog Bowl
SU-CASE-2014-0023	Footbox
SU-CASE-2015-0030	Visual Speech Synthesis
SU-CASE-2015-0032	Buttwhynot: Recyclable products from cigarette butts
SU-CASE-2015-0043	Super Flywheel Concept (SFC) or Maglev Flywheel Concept
SU-CASE-2015-0054	Water Power Meter
SU-CASE-2015-0055	The use of Optical Flow and Statistical Clustering in order to track and count People boarding and exiting trains
SU-CASE-2016-0004	(HY)SUM ACC - (Hybrid) Stellenbosch Unitube Multirow ACC
SU-CASE-2016-0016	ChildSafeT
SU-CASE-2016-0027	Table Tennis Training Machine
SU-CASE-2016-0031	"An interactive construction deployment planning (ICDP) model" Entails the integration of two models: o Site layout planning (SLP) model o Repetitive project scheduling (RPS) model
SU-CASE-2016-0040	Substituted benzimidazolones and benzimidazolethiones as NNRTIs
SU-CASE-2017-0001	Production of calcium phosphates and gelatin from fish bones
SU-CASE-2017-0002	Polymer conjugated to catalase forming an additive for use in cosmetic applications
SU-CASE-2017-0013	Phosphate ceramic based composite products
SU-CASE-2018-0016	Thermoresponsive, short electrospun fibre sponges for application in roof top air-water harvesting
SU-CASE-2018-0018	Functional polymer nanoparticles in nanocomposites for dental fillings
SU-CASE-2018-0033	Advanced yeast development and application for lignocellulose conversion to ethanol
SU-CASE-2018-0034	Watt-son (Smart energy meter)
SU-CASE-2019-0001	Method for the Prediction of (Solvent and Polyonlefin) Phase Boundaries for Solution Polymerisation
SU-CASE-2019-0006	Nanofibre electrochemical affinity-based interforen-gamma blosensor - Note
SU-CASE-2019-0015	Natural Gas Storage System



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SU-CASE-2020-0036_1	Fluorescent based screening assay for anti-viral proteins/peptides
SU-CASE-2022-0032	Kairos Small-scale Coffee Roaster
SU-CASE-2011-0009	Flow-volume monitor (resubmitted as IFlow SU-CASE-2017-0008)
SU-CASE-2013-0025	Dispersion of Anti-microbial Styrene-Maleimide Nanoparticles
SU-CASE-2014-0029	Sceletium micropropagation technology development
SU-CASE-2014-0032	Farmtrack
SU-CASE-2015-0002	Intermediate rotor design to dual rotor electrical machines [check for NIPMO IP1]
SU-CASE-2015-0003	Audible QR-code
SU-CASE-2015-0006	Self-actuating Windbreak
SU-CASE-2015-0007	Integrated, inflatable chimney and collector solar devices structures
SU-CASE-2015-0008	Autonomous burst geyser protection
SU-CASE-2015-0009	HIV-1 SOUTH AFRICAN SUBTYPE CENV PROTEINS
SU-CASE-2015-0015	Facile immobilization of enzymes on nanofibrous membranes
SU-CASE-2015-0018	Anti-fungal fruit packaging.
SU-CASE-2015-0029	An Automated Sequenced Analysis Pipeline for whole Genome Sequencing Data
SU-CASE-2016-0002	Codeling
SU-CASE-2016-0006	Digital receipt and budget management tool. Initial target market will be super markets (groceries)
SU-CASE-2016-0013	Animal or human-borne electromagnetic kinetic energy harvesting device with pole-matched magnets
SU-CASE-2016-0022	Enzyme protecting against onset of obesity, diabetes and heart diseases
SU-CASE-2016-0024	Mobius low-pass filter
SU-CASE-2016-0029	The development of a packaging project that uses a different substrate to the existing patented US version may be an innovation
SU-CASE-2016-0042	Holey Moley (Food product, doughnut)
SU-CASE-2017-0009	Jungle Bungel



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SU-CASE-2017-0012	Reducing Axially Pulsating leakage flux
SU-CASE-2017-0018	Facial Recognition App
SU-CASE-2018-0001	Luuks - Products (Toffee)
SU-CASE-2018-0014	The quantitative measurements of blood insulin, CRP and PCT using a paper-based organic electrochemical transistor for diabetic control and distinction between bacterial and viral infection
SU-CASE-2019-0003	CM6
SU-CASE-2019-0008	Bi-thermostat
SU-CASE-2022-0002	VivaSite