

## College Of Agriculture, Engineering & Science

Areas of Expertise	Name	Email Address	Telephone Number	School / Discipline
<b>Big data; data Science</b>	Aburas, Abdurazzag Ali - Dr	<a href="mailto:AburasA@ukzn.ac.za">AburasA@ukzn.ac.za</a>	031 260 2720	School of Engineering / Chemical Engineering
<b>Composite structures; Piezoelectric control for vibration damping; Nano mechanics; Optimal design</b>	Adali, Sarp - Professor	<a href="mailto:adali@ukzn.ac.za">adali@ukzn.ac.za</a>	031 260 3203 082 433 3033	School of Engineering / Mechanical Engineering
<b>Telecommunication networks; Radiowave propagation for communication; Transmission and radiocommunication systems; microwave and millimetric communication</b>	Afullo, Thomas Joachim Odhiambo - Professor	<a href="mailto:afullot@ukzn.ac.za">afullot@ukzn.ac.za</a>	031 260 2730 082 773 2204	School of Engineering / Electronic Engineering
<b>Control Systems Engineering Instrumentation and Smart Grids</b>	Agee, John – Professor	<a href="mailto:ajeej@ukzn.ac.za">ajeej@ukzn.ac.za</a>	031 260 9111 062 016 2350	School of Engineering / Electrical, Electronic & Computer Engineering
<b>Electric Power Systems Real-Time Digital Simulation of Power Systems</b>	Akshay, Saha - Dr	<a href="mailto:Saha@ukzn.ac.za">Saha@ukzn.ac.za</a>	(031) 260 2725	School of Engineering / Electrical Engineering
<b>Spatial modelling of land use change; Land use decision modelling; Geodetic engineering; Satellite navigation</b>	Akombelwa, Mulemwa - Dr	<a href="mailto:akombelwa@ukzn.ac.za">akombelwa@ukzn.ac.za</a>	031 260 7556 071 324 7093	School of Engineering / Land Surveying
<b>Human parasitology, especially bilharzia &amp; other worms; freshwater molluscs; parasites of non-human primates (baboons &amp; monkeys)</b>	Appleton, Christopher C - Professor	<a href="mailto:appletonc@ukzn.ac.za">appletonc@ukzn.ac.za</a>	031 260 1187 072 231 2386	School of Life Sciences
<b>Non-viral gene (DNA) delivery into mammalian systems; liposomes &amp; DNA delivery</b>	Ariatti, Mario - Professor	<a href="mailto:ariattim@ukzn.ac.za">ariattim@ukzn.ac.za</a>	031 260 7981 083 611 9260	School of Life Sciences

<b>Computational mechanics; Finite element analysis; Financial Mathematics</b>	Arunakirinathar, Kanagaratnam - Dr	<a href="mailto:aruna@ukzn.ac.za">aruna@ukzn.ac.za</a>	076 841 2373	School of Mathematics, Statistics and Computer Science
<b>Agricultural development economics and rural development, agricultural finance and farm management, agricultural production economics; natural resource economics; agricultural technology adoption.</b>	Baiyegunhi, Lloyd James - Professor	<a href="mailto:baiyegunhil@ukzn.ac.za">baiyegunhil@ukzn.ac.za</a>	033 260 5437 079 5546 833	School of Agricultural, Earth and Environmental Sciences / Agricultural Economics
<b>Urban identity and Durban; cities and culture; mega-events</b>	Bass, Orli - Dr	<a href="mailto:bass@ukzn.ac.za">bass@ukzn.ac.za</a>	031 260 7320	School of Agricultural, Earth and Environmental Sciences
<b>Evolution and Ecology: Bioacoustics, Population genetics, Phylogenetics, Animal Behaviour, Urban ecology, Experimental design, Functional morphology</b>	Bastian, Anna - Dr	<a href="mailto:BastianA@ukzn.ac.za">BastianA@ukzn.ac.za</a>	031 260 7719 076 547 9965	School of Life Sciences
<b>Discrete mathematics, combinatorics</b>	Bau, Sheng - Professor	<a href="mailto:Baus@ukzn.ac.za">Baus@ukzn.ac.za</a>	033 260 5624	School of Mathematics, Statistics and Computer Science
<b>Agricultural Production Economics, Economics of Agricultural Technology Adoption, Agricultural Finance/Management, Sustainable Agricultural and Rural Development, Natural Resource Utilization, Food Security and Rural Poverty</b>	Baiyegunhi, Lloyd - Dr	<a href="mailto:BaiyegunhiL@ukzn.ac.za">BaiyegunhiL@ukzn.ac.za</a>	033 260 5437	School of Agricultural, Earth and Environmental Sciences / Agricultural Economics
<b>Lichenology; Bryology; Redox enzymes</b>	Beckett, Richard - Professor	<a href="mailto:rpbeckett@gmail.com">rpbeckett@gmail.com</a>	033 260 5141	School of Life Sciences / Biodiversity
<b>Transportation Engineering &amp; Planning</b>	Ben-Edigbe, Johnnie – Professor	<a href="mailto:Ben-Edigbe@ukzn.ac.za">Ben-Edigbe@ukzn.ac.za</a>	031 260 2005 079 618 2387	School of Engineering
<b>Metallurgical failures, testing &amp; investigations; steels; mechanical failures, testing; stress analysis, finite element analysis, CAE and thermal analysis; Lithium</b>	Bemont, Clinton, Dr	<a href="mailto:bemontc@ukzn.ac.za">bemontc@ukzn.ac.za</a>	031 260 3207 083 289 9881	School of Engineering / Mechanical Engineering

<b>ion batteries and systems</b>				
<b>Avocado fruit physiology, colour of horticultural crops</b>	Bertling, Isa - Professor	<a href="mailto:bertlingi@ukzn.ac.za">bertlingi@ukzn.ac.za</a>	033 260 5099	School of Agricultural, Earth and Environmental Sciences/ Horticultural Science
<b>Structural Geology, Field Geology, Tectonics and paleomagnetism</b>	Birke, Tesfaye Kidane – Professor	<a href="mailto:birket@ukzn.ac.za">birket@ukzn.ac.za</a>	031 260 8781 060 890 4863	School of Agricultural, Earth and Environmental Sciences/ Geological Sciences
<b>Cellulose chemistry &amp; wood science; electroanalytical chemistry, analytical chemistry</b>	Bissessur, Ajay – Mr	<a href="mailto:bissessura@ukzn.ac.za">bissessura@ukzn.ac.za</a>	031 260 7012 084 549 9069	School of Chemistry and Physics
<b>Survey Design and Data Analysis; Experimental Designs; Time Series Analysis and Modelling</b>	Bodhlyera, Oliver – Mr	<a href="mailto:bodhlyerao@ukzn.ac.za">bodhlyerao@ukzn.ac.za</a>	033 260 5613 073 890 5071	School of Mathematics, Statistics and Computer Science
<b>Solar energy, aerospace technology</b>	Brooks, Michael – Mr	<a href="mailto:brooks@ukzn.ac.za">brooks@ukzn.ac.za</a>	031 260 7667	School of Engineering / Mechanical Engineering
<b>Classification &amp; biology of solitary wasps; general entomological matters (excluding pest control)</b>	Brothers, Denis John – Professor	<a href="mailto:brothers@ukzn.ac.za">brothers@ukzn.ac.za</a>	033 260 5106	School of Life Sciences / Biological & Conservations Sciences
<b>Nonlinear analysis; Optimization; Generalized functions, Functional Analysis; Mathematical Physics, relativistic quantum field theory; Quantum information theory</b>	Brüning, Erwin - Professor	<a href="mailto:brununge@ukzn.ac.za">brununge@ukzn.ac.za</a>	031 260 7683	School of Mathematics, Statistics and Computer Science
<b>Sanitation; Urban and industrial water &amp; effluent management; Water chemistry; Biological wastewater treatment processes; Cleaner production;</b>	Buckley, Chris – Professor	<a href="mailto:buckley@ukzn.ac.za">buckley@ukzn.ac.za</a>	031 260 3131 082 806 7251	School of Engineering / Pollution Research Group
<b>Plant taxonomy and systematics; African orchids</b>	Bytebier, Benny – Dr	<a href="mailto:bytebier@ukzn.ac.za">bytebier@ukzn.ac.za</a>	033 260 5145	School of Life Sciences
<b>Generalist, Rural Livelihoods, constructivist research</b>	Caister, Karen – Dr	<a href="mailto:caister@ukzn.ac.za">caister@ukzn.ac.za</a>	033 260 5121	School of Agricultural, Earth and Environmental Sciences
<b>Geochemistry for mineral exploration, ore genesis and geo-environmental studies; Spatial mathematics/statistics for predictive modelling of mineral resources and geo-hazards; Remote sensing for geological /</b>	Carranza, Emmanuel John – Professor	<a href="mailto:carranzae@ukzn.ac.za">carranzae@ukzn.ac.za</a>	031 260 2803 079 807 1426	School of Agricultural, Earth and Environmental Sciences

<b>mineral exploration</b>				
<b>Grassland science; rangeland ecology and management; plant-animal interactions</b>	Chamane, Sindiso - Miss	<a href="mailto:Chamane@ukzn.ac.za">Chamane@ukzn.ac.za</a>	033 260 5508	School of Life Sciences
<b>Biofilms (proteomics, characteristics); antimicrobial resistance (susceptibility testing, gene hunting, fluoroquinolone resistance); aquaculture disease and treatment (aeromonas &amp; flabobacterium); mobile genetic elements (plasmids, transposons, integrons); bacterial genotyping</b>	Chenia, Hafizah, Yousuf – Dr	<a href="mailto:cheniah@ukzn.ac.za">cheniah@ukzn.ac.za</a>	031 260 7796 083 229 8018	School of Life Sciences
<b>Hydrology &amp; hydrological modelling; design flood estimation; remote sensing and hydrology, satellite rainfall and ET</b>	Chetty, Kershani Tinisha – Ms	<a href="mailto:chettyk@ukzn.ac.za">chettyk@ukzn.ac.za</a>	033 260 6027	School of Agricultural, Earth and Environmental Sciences
<b>Molecular physics; Laser physics; Optics; Access teaching &amp; research</b>	Chetty, Naven - Professor	<a href="mailto:chettyn3@ukzn.ac.za">chettyn3@ukzn.ac.za</a>	033 260 5660 072 129 5525	School of Chemistry and Physics
<b>Applied statistics, Time series analysis, Principal component analysis, financial modelling</b>	Chifurira, Retius - Mr	<a href="mailto:Chifurira@ukzn.ac.za">Chifurira@ukzn.ac.za</a>	031 260 8732	School of Mathematics, Statistics and Computer Science
<b>Sustainable livestock production, food security, water security, animal genetic resources</b>	Chimonyo, Michael - Professor	<a href="mailto:chimonyo@ukzn.ac.za">chimonyo@ukzn.ac.za</a>	033 260 5477	School of Agricultural, Earth and Environmental Sciences
<b>Time series analysis, Economic &amp; Financial Modelling, Applied statistics.</b>	Chinhamu, Knowledge - Mr	<a href="mailto:Chinhamu@ukzn.ac.za">Chinhamu@ukzn.ac.za</a>	031 260 3012 071 983 1660	School of Mathematics, Statistics and Computer Science
<b>Mathematical biology – mathematical modelling of infectious diseases (both in-host and population dynamics)</b>	Chirove, Faramunashe - Dr	<a href="mailto:chirovef@ukzn.ac.za">chirovef@ukzn.ac.za</a>	033 260 5784 078 204 7846	School of Mathematics, Statistics and Computer Science
<b>Food security, organic farming, small-scale farmer constraints and participation in the agricultural value chain</b>	Chitja, Joyce – Dr	<a href="mailto:chitjaj@ukzn.ac.za">chitjaj@ukzn.ac.za</a>	033 260 6171 083 673 9436	School of Agricultural, Earth and Environmental Sciences
<b>Poultry science; monogastric nutrition</b>	Ciacciariello, Mariana – Dr	<a href="mailto:ciaccm@ukzn.ac.za">ciaccm@ukzn.ac.za</a>	033 260 5479	School of Agricultural, Earth and Environmental Sciences
<b>Water resources modelling; water resource</b>	Clark, David John – Mr	<a href="mailto:clarkd@ukzn.ac.za">clarkd@ukzn.ac.za</a>	033 260 5485	School of Engineering /

<b>accounting; agricultural engineering</b>				Bioresources Engineering
<b>Agrometeorology; environmental physics; micrometeorology; soil physics/soil water relations; soil-plant-atmosphere system</b>	Clulow, Alistair Mr	<a href="mailto:clulowa@ukzn.ac.za">clulowa@ukzn.ac.za</a>	(033) 260 5510	School of Agricultural, Earth and Environmental Sciences
<b>Biochemistry, including protein purification and characterisation, antibody production and characterisation; Proteolytic enzymes/proteases (mammalian and protozoan); African animal and Human Trypanosomiasis (nagana/sleeping sickness); Talks on: Postgraduate supervision and dissemination of research (oral and poster presentation); Academic and Skills CVs; Setting up your own post-PhD Research programme; Animal ethics.</b>	Coetzer, Theresa Helen Taillefer – Professor	<a href="mailto:coetzer@ukzn.ac.za">coetzer@ukzn.ac.za</a>	033 260 5463	School of Life Sciences
<b>Space physics; Lightning; Wave-particle interactions; Terrestrial Gamma-ray Flash (TGF)</b>	Collier, Andrew - Dr	<a href="mailto:collierab@gmail.com">collierab@gmail.com</a>	031 260 1157 083 381 3655	School of Chemistry and Physics
<b>Hydrogeology; hydrogeochemistry &amp; water pollution; environmental isotope hydrology; environmental geology</b>	Demlie, Molla Bekele – Dr	<a href="mailto:demliem@ukzn.ac.za">demliem@ukzn.ac.za</a>	031 260 7380 072 050 6319	School of Agricultural, Earth and Environmental Sciences / Geological Sciences
<b>Condensed matter physics; magnetic properties of materials; Mossbauer spectroscopy</b>	Dlamini, Wendy Bonakele - Ms	<a href="mailto:dlaminiw@ukzn.ac.za">dlaminiw@ukzn.ac.za</a>	031 260 3028 079 887 6053	School of Chemistry and Physics
<b>Electric machine design (particularly induction machines and brushless permanent magnet machines, condition monitoring, renewable energy systems, wave energy conversion.</b>	Dorrell, David - Professor	<a href="mailto:dorelld@ukzn.ac.za">dorelld@ukzn.ac.za</a> <a href="mailto:d.g.dorrell@gmail.com">d.g.dorrell@gmail.com</a>	031 260 2730	School of Engineering / Electrical Engineering
<b>Terrestrial vertebrates including ecophysiology; thermoregulation; nutrition; small mammals; ornithology; urban ecology; conservation of frogs, tortoises, Nile crocodiles, birds &amp; mammals. Science</b>	Downs, Colleen – Professor	<a href="mailto:downs@ukzn.ac.za">downs@ukzn.ac.za</a>	033 260 5217 082 920 2026	School of Life Sciences

<b>education.</b>				
<b>Animal science; animal breeding &amp; genetics; population &amp; quantitative genetics</b>	Dzomba, Edgar F – Mr	<a href="mailto:dzomba@ukzn.ac.za">dzomba@ukzn.ac.za</a>	033 260 5434 073 090 2850	School of Life Sciences
<b>Computer science education; programming competitions; internet technologies</b>	Els, Rosanne – Mrs	<a href="mailto:rosanne@cs.ukzn.ac.za">rosanne@cs.ukzn.ac.za</a>	033 260 5662	School of Mathematics, Statistics and Computer Science
<b>Plant tissue culture; secondary plant products; biotechnology; plant physiology; biology teaching</b>	Finnie, Jeffrey - Professor	<a href="mailto:Finnie@ukzn.ac.za">Finnie@ukzn.ac.za</a>	033 260 5151	School of Life Sciences
<b>Pro poor tourism and local economic development; social impact assessments with the EIA process; tourism development and policy; sustainable livelihoods</b>	Foggin, Timothy - Mr	<a href="mailto:foggint@ukzn.ac.za">foggint@ukzn.ac.za</a>	033 260 5273 083 378 7009	School of Agricultural, Earth and Environmental Sciences
<b>Environmental life cycle assessments for waste and water systems, Carbon footprints, Vulnerability of infrastructure to climate change and general environmental management.</b>	Friedrich, Elena - Dr	<a href="mailto:Friedriche@ukzn.ac.za">Friedriche@ukzn.ac.za</a>	031 2607709	School of Engineering, Civil Engineering Programme
<b>Biochemistry, Protein isolation, Malaria, Malaria diagnosis, Immunology</b>	Goldring, Dean - Professor	<a href="mailto:goldringd@ukzn.ac.za">goldringd@ukzn.ac.za</a>	033 260 5466	School of Life Sciences / Biochemistry
<b>Chemical Analysis and Synthetic Organic Chemistry</b>	Govender, Hogantharanni - Dr	<a href="mailto:govenderh@ukzn.ac.za">govenderh@ukzn.ac.za</a>	031 260 7378 082 598 8841	School of Chemistry and Physics
<b>Yeast flocculation; yeast biotechnology; mammalian cell culture cytotoxic screening; antimicrobial screening</b>	Govender, Patrick – Dr	<a href="mailto:govenderpt@ukzn.ac.za">govenderpt@ukzn.ac.za</a>	031 260 7814 082 925 1423	School of Life Sciences / Microbiology
<b>Biomining for microorganisms and enzymes; Cloning, heterologous expression, purification and characterisation of enzymes for application in biofuels and biopulping; Application of fungi in green nano-technology; Biocatalysis for the production of bioplastics and valorisation of pulp mill waste streams; Biomolecules screening and purification (antimicrobial, anti-oxidant,</b>	Govinden, Roshini - Dr	<a href="mailto:govindenr@ukzn.ac.za">govindenr@ukzn.ac.za</a>	031 260 8281 082 553 3249	School of Life Sciences / Microbiology

<b>catalysts) from endophytic fungi</b>				
<b>Marine geology and sedimentology; sea level fluctuation and continental shelf dynamics</b>	Green, Andrew – Professor	<a href="mailto:green1@ukzn.a.za">green1@ukzn.a.za</a>	031 260 7924 076 819 5632	School of Agricultural, Earth and Environmental Sciences / Geological Sciences
<b>Renewable energy; local economic development; pro-poor tourism; agricultural development/food security</b>	Green, J Maryann – Professor	<a href="mailto:green@ukzn.ac.za">green@ukzn.ac.za</a>	033 260 5271 082 510 8585	School of Agricultural, Earth and Environmental Sciences
<b>Plant virology – identification and control of plant virus diseases; plant transformation for transgenic virus resistance</b>	Gubba, Augustine – Dr	<a href="mailto:gubbaA@ukzn.ac.za">gubbaA@ukzn.ac.za</a>	033 260 5795 082 312 6755	School of Agricultural, Earth and Environmental Sciences
<b>Yeast biotechnology; Biochemical Education</b>	Guptar, Abin S. – Professor	<a href="mailto:gupthara@ukzn.ac.za">gupthara@ukzn.ac.za</a>	031 260 7189 082 929 2957	School of Life Sciences
<b>Statistical Epidemiology, Applied Extreme Value Analysis and Generalized Linear Mixed Models</b>	Hammujuddy, Jahvaid - Mr	<a href="mailto:hammujuddy@ukzn.ac.za">hammujuddy@ukzn.ac.za</a>	031 260 8153	School of Mathematics, Statistics and Computer Science
<b>General Relativity; Mathematics Education; Relativistic Astrophysics</b>	Hansraj, Sudan – Dr	<a href="mailto:hansrajs@ukzn.ac.za">hansrajs@ukzn.ac.za</a>	031 260 3000 083 232 4781	School of Mathematics, Statistics and Computer Science
<b>Project Management, Quantity Surveying, Construction Management, Risk Management, Construction Education</b>	Harinarain, Nishani – Dr	<a href="mailto:harinarain@ukzn.ac.za">harinarain@ukzn.ac.za</a>	031 260 1206	School of Engineering / Property Development
<b>Construction health and safety, Construction education, construction industry development</b>	Haupt, Theo C – Professor	<a href="mailto:haupt@ukzn.ac.za">haupt@ukzn.ac.za</a>	031 260 2712	School of Engineering
<b>Environmental science; GIS; physical geography/biogeography; palaeo environments</b>	Hill, Trevor Raymond – Professor	<a href="mailto:hillt@ukzn.ac.za">hillt@ukzn.ac.za</a>	033 260 5235	School of Agricultural, Earth and Environmental Sciences
<b>Astronomy; Astrophysics; Cosmology</b>	Hilton, Matt - Dr	<a href="mailto:hiltonm@ukzn.ac.za">hiltonm@ukzn.ac.za</a>	031 260 2233 073 619 8853	School of Mathematics, Statistics and Computer Science / Astrophysics and Cosmology Research Unit
<b>Applied and environmental microbiology; biocontrol of phytopathogens; fingerprinting and typing of environmental bacterial isolates</b>	Hunter, Charles – Mr	<a href="mailto:hunter@ukzn.ac.za">hunter@ukzn.ac.za</a>	033 260 5528	School of Life Sciences



<b>Renewable and alternative energy; energy management; energy harvesting; energy efficiency; modelling of energy systems; internal combustion engines: design, modelling and processes, Nano Technology and Nano Sciences, Vibration</b>	Inambao, Freddie – Dr	<a href="mailto:inambaof@ukzn.ac.za">inambaof@ukzn.ac.za</a>	031 260 8530 084 458 8892	School of Engineering / Mechanical engineering
<b>Biochemistry &amp; nutritional biochemistry; diabetes, obesity, metabolic syndrome; nutrition &amp; food science; functional &amp; medicinal foods; gastroenterology and animal models</b>	Islam, Shahidul – Prof	<a href="mailto:islamd@ukzn.ac.za">islamd@ukzn.ac.za</a>	031 260 8717	School of Life Sciences / Biochemistry, Genetics & Microbiology
<b>Quantum information processing &amp; communication; quantum cryptography; quantum optics.</b>	Ismail, Yaseera - Dr	<a href="mailto:ismaily@ukzn.ac.za">ismaily@ukzn.ac.za</a>	031 260 7905	School of Chemistry and Physics
<b>Microbiology; Endophytes; Arbuscular Mycorrhizal fungi; Microbial ecology; Bioremediation; Biofouling, Biocorrosion; Bio-hydrocarbons</b>	Jamal-Ally, Sumaiya – Dr	<a href="mailto:jamal@ukzn.ac.za">jamal@ukzn.ac.za</a>	033 260 6209	School of Life Sciences / Microbiology
<b>Superconductivity; material science (electrical/electronic); Graphene and Nanotechnology</b>	Jarvis, Leigh – Dr	<a href="mailto:Jarvis@ukzn.ac.za">Jarvis@ukzn.ac.za</a>	031 260 2742 083 671 6435	School of Engineering / Electrical, Electronic & Computer Engineering
<b>Water resources management; Water security; Hydrology; Land-Water; Water foot printing; Water and ecosystem services</b>	Jewitt, Graham - Professor	<a href="mailto:Jewittg@ukzn.ac.za">Jewittg@ukzn.ac.za</a>	033260 5678	School of Engineering / Centre for Water Resources Research
<b>Ozone and Water Chemistry; Heterogeneous catalysis; Nanomaterials; Kinetic simulations; Environmental analytical chemistry- Soil/vegetation.</b>	Jonnalagadda, Sreekantha Babu – Professor	<a href="mailto:jonnalagaddas@ukzn.ac.za">jonnalagaddas@ukzn.ac.za</a>	031 260 7325 083 785 4344	School of Chemistry and Physics
<b>Dietetics: obesity; diabetes; heart disease &amp; other lifestyle and public health issues</b>	Kassier, Suna – Dr	<a href="mailto:kassiers@ukzn.ac.za">kassiers@ukzn.ac.za</a>	033 260 5431 083 658 8349	School of Agricultural, Earth and Environmental Sciences / Dietetics
<b>Grassland ecology; pasture science; grassland restoration; plant/animal interactions</b>	Kirkman, Kevin – Professor	<a href="mailto:Kirkmank@ukzn.ac.za">Kirkmank@ukzn.ac.za</a>	033 260 5102 083 631 4815	School of Life Sciences



<b>Measurement &amp; control of quantum systems; quantum information processing and communication; quantum optics; foundations of quantum physics</b>	Konrad, Thomas – Professor	<a href="mailto:konradt@ukzn.ac.za">konradt@ukzn.ac.za</a>	031 260 7911 082 389 3981	School of Chemistry and Physics
<b>Organic Chemistry, NMR Spectroscopy, Heterocyclic Organic synthesis, Natural Products chemistry</b>	Koorbanally, Neil – Professor	<a href="mailto:koorbanally@ukzn.ac.za">koorbanally@ukzn.ac.za</a>	031 260 3189	School of Chemistry and Physics
<b>Antenna and array design, Wireless Communication, Signal and Image processing</b>	Kumar, Pradeep - Dr	<a href="mailto:kumarp@ukzn.ac.za">kumarp@ukzn.ac.za</a>	0629796946	School of Engineering / Electronic Engineering
<b>Water use of potential biofuels crops; mapping of areas optimally suited to the growth of biofuel crops; climate change impacts on agriculture and water resources</b>	Kunz, Richard – Mr	<a href="mailto:kunzr@ukzn.ac.za">kunzr@ukzn.ac.za</a>	033 260 6499	School of Agricultural, Earth and Environmental Sciences / Hydrology
<b>Plant Pathology: biological control, epidemiology, disease management. Plant Breeding: training; African crops, cabbages, ornamentals. Postgraduate studies: managing throughput, enabling skills, research management</b>	Laing, Mark – Professor	<a href="mailto:laing@ukzn.ac.za">laing@ukzn.ac.za</a>	033 260 5524 082 372 4945	School of Agricultural, Earth and Environmental Sciences / African Centre for Crop Improvement
<b>Molecular systematics and evolution; Science education</b>	Lamb, Jennifer M – Professor	<a href="mailto:lambj@ukzn.ac.za">lambj@ukzn.ac.za</a>	031 260 3038	School of Life Sciences
<b>Ecological Modelling; Mechanisation; Precision Agriculture; Sustainable Agriculture and Development; Brewing</b>	Largerwall, Gareth - Dr	<a href="mailto:lagerwall@ukzn.ac.za">lagerwall@ukzn.ac.za</a>	033 260 5177	School of Engineering / Bioresources (Agricultural) Engineering
<b>Chemical reaction engineering, process design and optimization</b>	Lokhat, David - Dr	<a href="mailto:lokhat@ukzn.ac.za">lokhat@ukzn.ac.za</a>	(031)260 1897/ 074 436 5335	School of Engineering / Chemical Engineering
<b>Multispectral and Hyperspectral Remote Sensing, Geographic Information Systems (GIS) for environmental modelling</b>	Lottering, Romano - Dr	<a href="mailto:Lottering@ukzn.ac.za">Lottering@ukzn.ac.za</a>	033 260 5877 078 825 6596	School of Agricultural, Earth and Environmental Sciences
<b>Mineral Processing – grinding &amp; flotation. Hydrometallurgy – pressure leaching</b>	Loveday, Brian – Professor	<a href="mailto:loveday@ukzn.ac.za">loveday@ukzn.ac.za</a>	031 260 3121	School of Engineering / Chemical Engineering
<b>Cosmology; theoretical astrophysics; theoretical physics; data analysis</b>	Ma, Yin-Zhe - Professor	<a href="mailto:ma@ukzn.ac.za">ma@ukzn.ac.za</a>	031 260 2777 081 835 8122	School of Chemistry and Physics / Astrophysics & Cosmology Research Unit

<b>Crop water use, drought and heat stress tolerance, crop modelling and climate change adaptation as well as neglected and underutilised crops</b>	Mabhaudhi, Tafadzwanashe - Dr	<a href="mailto:mabhaudhi@ukzn.ac.za">mabhaudhi@ukzn.ac.za</a>	033 260 5442 074 130 9845	School of Agricultural, Earth and Environmental Sciences / Crop Science
<b>Horticultural and Crop Science (Postharvest Technology, Fruit Biology, Vis/NIRS, X-Ray computed tomography, Non-destructive technologies for quality measurements and Rural development)</b>	Magwaza, Lembe - Dr	<a href="mailto:magwazal@ukzn.ac.za">magwazal@ukzn.ac.za</a>	(033) 260 5516	School of Agricultural, Earth and Environmental Sciences
<b>Teaching &amp; learning of advanced mathematical topics; advanced mathematical thinking; APOS (action-process-object-schema) theory; Mathematics e-learning; Online diagnostic testing for undergraduate mathematics</b>	Maharaj, Aneshkumar – Dr	<a href="mailto:Maharaja32@ukzn.ac.za">Maharaja32@ukzn.ac.za</a>	031 260 1021 083 446 1937	School of Mathematics, Statistics and Computer Science
<b>Urban development, planning, migration, philanthropy</b>	Maharaj, Brij – Professor	<a href="mailto:maharajb@ukzn.ac.za">maharajb@ukzn.ac.za</a>	031 260 1027 083 776 7274	School of Agricultural, Earth and Environmental Sciences
<b>Theories of gravity; Einstein’s equations; cosmology &amp; astrophysics</b>	Maharaj, Sunil – Professor	<a href="mailto:maharaj@ukzn.ac.za">maharaj@ukzn.ac.za</a>	031 260 1365 084 500 4546	School of Mathematics, Statistics and Computer Science / Astrophysics and Cosmology Research Unit
<b>Analytical chemistry, environmental chemistry, chromatography, analysis of organic pollution, separation/extraction techniques</b>	Mahlambi, Precious – Dr	<a href="mailto:mahlambip@ukzn.ac.za">mahlambip@ukzn.ac.za</a>	033 260 5238 078 776 7527	School of Chemistry and Physics
<b>Heterogeneous catalysis, with focus on oxidation, hydrogenation, CO2 beneficiation and glycerol transformations. Also has expertise in materials synthesis and characterisation</b>	Mahomed, Abdul S. (Sam) - Dr	<a href="mailto:Mahomeda1@ukzn.ac.za">Mahomeda1@ukzn.ac.za</a>	031 260 7100 084 688 5327	School of Chemistry and Physics
<b>Chemical kinetics of coordination compounds; Environmental chemical analysis</b>	Mambanda, Allen - Dr	<a href="mailto:mambanda@ukzn.ac.za">mambanda@ukzn.ac.za</a>	033 260 5272 073 538 2924	School of Chemistry and Physics
<b>Photochemistry; Solution Thermodynamics;</b>	Martincigh, Bice - Professor	<a href="mailto:martinci@ukzn.ac.za">martinci@ukzn.ac.za</a>	031 260 1394	School of Chemistry and

<b>Environmental Analysis</b>				Physics
<b>Differential Geometry, Geometric Analysis, Topology</b>	Massamba, Fortuné - Professor	<a href="mailto:Massamba@ukzn.ac.za">Massamba@ukzn.ac.za</a>	033 260 5611 083 745 0079	School of Mathematics, Statistics and Computer Science
<b>Waste management – Zero waste, recycling, waste minimisation</b>	Matete, Ntlibi – Dr	<a href="mailto:matete@ukzn.ac.za">matete@ukzn.ac.za</a>	031 260 3056 076 105 7728	School of Engineering / Civil Engineering
<b>Structural geology and tectonics, Precambrian geology of South Africa, geological mapping, economic geology Earth science education and training</b>	McCourt, Stephen – Professor Emeritus	<a href="mailto:mccourts@ukzn.ac.za">mccourts@ukzn.ac.za</a>	082 940 4730	School of Agricultural, Earth and Environmental Sciences / Geological Sciences
<b>Civil engineering – structures; reinforced concrete &amp; structural steel; reliability &amp; safety of structures</b>	McLeod, Christina – Dr	<a href="mailto:mcleodc@ukzn.ac.za">mcleodc@ukzn.ac.za</a>	031 260 1059 084 510 1588	School of Engineering / Civil Engineering, Surveying & Construction
<b>General statistics, applied statistics, biostatistics, linear models, statistical inference; mixed models for longitudinal data, structural equation modelling</b>	Melesse, Sileshi Fanta - Dr	<a href="mailto:melesse@ukzn.ac.za">melesse@ukzn.ac.za</a>	033 260 5610 078 016 0575	School of Mathematics, Statistics and Computer Science
<b>Stochastic Analysis, Financial mathematics, Stochastic control with application in finance and insurance</b>	Mgobhozi, Sivuyile - Dr	<a href="mailto:Mgobhozis@ukzn.ac.za">Mgobhozis@ukzn.ac.za</a>	031 260 1587 031 260 7838	School of Mathematics, Statistics and Computer Science
<b>Igneous Petrology and Geochemistry, radiometric dating, asteroid impact craters, Optical mineralogy, Archaean crustal growth, planetary geochemistry, basaltic and granitoid rocks</b>	Misra, Saumitra Kumar - Dr	<a href="mailto:Misras@ukzn.ac.za">Misras@ukzn.ac.za</a>	031 260 2800 07461640571 084 574 1625	School of Agricultural, Earth and Environmental Sciences / Geological Sciences
<b>Biological and thermochemical conversion processes; Biobased and non-biobased materials reaction pathways kinetic mechanisms; Waste valorisation for energy and valuable products recovery; Industrial Resource and Energy Management Systems</b>	Mkhize, Malusi - Dr	<a href="mailto:mkhizen7@ukzn.ac.za">mkhizen7@ukzn.ac.za</a>	031 260 1416	School of Engineering/ Chemical Engineering
<b>Agronomy; Crop Science; Seed Science and Technology; Rural Development</b>	Modi, Albert Thembinkosi - Professor	<a href="mailto:modiat@ukzn.ac.za">modiat@ukzn.ac.za</a>	033 260 5854 072 207 4325	School of Agricultural, Earth and Environmental Sciences
<b>Nano-structured Materials for Solar energy</b>	Mola, Genevieve Tessema -	<a href="mailto:mola@ukzn.ac.za">mola@ukzn.ac.za</a>	033 260 5350	School of Chemistry and

<b>Conversion, Thin Film Photovoltaic cells, Nonlinear Optical Properties of Materials, Nuclear Hyperfine Interactions</b>	Professor			Physics
<b>Mass spectrometry, analytical chemistry, environmental chemistry, industrial chemistry, chromatography, water remediation and organic pollution</b>	Moodley, Brenda – Dr	<a href="mailto:moodleyb3@ukzn.ac.za">moodleyb3@ukzn.ac.za</a>	031 260 2796 082 871 9955	School of Chemistry and Physics
<b>Marine biodiversity, Mariculture, Marine Ecophysiology &amp; Ecotoxicology, Effects of climate change on marine biota, Effects of microplastics on marine biota.</b>	Moodley, Gan - Mr	<a href="mailto:moodleygk@ukzn.ac.za">moodleygk@ukzn.ac.za</a>	031 260 7076	School of Life Sciences
<b>Cosmology; extragalactic astronomy; theoretical astrophysics</b>	Moodley, Kavilan – Professor	<a href="mailto:moodleyk41@ukzn.ac.za">moodleyk41@ukzn.ac.za</a>	031 260 2543 072 447 5499	School of Mathematics, Statistics and Computer Science / Astrophysics & Cosmology Research Unit
<b>Quantum Monte Carol methods for condensed matter systems; Stochastic wave-function methods for open quantum systems &amp; quantum optics; quantum information; computational physics, lattice gauge theory</b>	Moodley, Mervlyn – Dr	<a href="mailto:moodleym2@ukzn.ac.za">moodleym2@ukzn.ac.za</a>	031 260 1355	School of Chemistry and Physics
<b>Analytical chemistry</b>	Moodley, Roshila - Dr	<a href="mailto:moodleyrosh@ukzn.ac.za">moodleyrosh@ukzn.ac.za</a>	031 260 8127 084 606 7710	School of Chemistry and Physics
<b>Chemical Physics, Mathematical Modelling, Numerical Computation, Computational Physics of Chemical Engineering Systems</b>	Moodley, Suren - Dr	<a href="mailto:moodleys10@ukzn.ac.za">moodleys10@ukzn.ac.za</a>	031 260 3495	School of Engineering
<b>Applied and Computational Mathematics; Differential equations; Numerical methods and analysis; Fluid dynamics</b>	Motsa, Sandile - Professor	<a href="mailto:motsas1@ukzn.ac.za">motsas1@ukzn.ac.za</a>	033 260 5627 076 780 1871	School of Mathematics, Statistics and Computer Science
<b>Condensed matter physics; magnetic properties of materials; Mossbauer spectroscopy, synthesis of materials by various techniques; characterisation of materials by x-ray diffraction</b>	Moyo, Thomas - Dr	<a href="mailto:moyo@ukzn.ac.za">moyo@ukzn.ac.za</a>	031 260 2173 072 937 3481	School of Chemistry and Physics

<b>Soil Science: soil fertility and plant nutrition; soil chemistry; soil pollution and waste management; conservation agriculture</b>	Muchaonyerwa, Pardon - Professor	<a href="mailto:muchaonyerwa@ukzn.ac.za">muchaonyerwa@ukzn.ac.za</a>	033 260 5764 083 691 9856	School of Agricultural, Earth and Environmental Sciences / Soil Science
<b>Agricultural economics, smallholder production systems, agricultural development, agricultural marketing</b>	Mudhara, Maxwell - Dr	<a href="mailto:mudhara@ukzn.ac.za">mudhara@ukzn.ac.za</a>	033 260 5673 084 804 3729	School of Agricultural, Earth and Environmental Sciences
<b>Veterinary &amp; medical parasitology; parasitic zoonosis, veterinary &amp; medical malacology; GIS &amp; remote sensing</b>	Mukaratirwa, Samson – Professor	<a href="mailto:mukaratirwa@ukzn.ac.za">mukaratirwa@ukzn.ac.za</a>	031 260 1338 078 869 5542	School of Life Sciences
<b>Optimisation and Control of Processing Plants</b>	Mulholland, Michael - Professor	<a href="mailto:mulholland@ukzn.ac.za">mulholland@ukzn.ac.za</a>	031 260 3123 082 806 7926	School of Engineering / Chemical Engineering
<b>Traditional and renewable energy systems and society; Unpacking the human-environment nexus from a vulnerability and sustainability perspective.</b>	Munien, Suveshnee, Dr	<a href="mailto:munien@ukzn.ac.za">munien@ukzn.ac.za</a>	0312607653	School of Environmental science and Geography
<b>Engineering surveying; GIS; remote sensing; cadastral surveying; general mapping expert</b>	Musonda, Evaristo - Mr	<a href="mailto:musondae@ukzn.ac.za">musondae@ukzn.ac.za</a>	031 260 3290 082 567 2992	School of Engineering / Surveying & Construction
<b>Algal Biotechnology, Phycoremediation of Wastewater, Enzymology of Prebiotics and Nutraceuticals, Metabolomics</b>	Mutanda, Taurai - Dr	<a href="mailto:mutanda@ukzn.ac.za">mutanda@ukzn.ac.za</a>	031 260 8226 073 405 6370	School of Life Sciences / Discipline of Microbiology
<b>Hyperspectral remote sensing; GIS for environmental application; spatial modelling, geostatistics; vegetation &amp; wildlife modelling &amp; monitoring</b>	Mutanga, Onisimo – Professor	<a href="mailto:mutangao@ukzn.ac.za">mutangao@ukzn.ac.za</a>	033 260 5779 072 385 9069	School of Agricultural, Earth and Environmental Sciences
<b>Taxonomy/phylogeny of terrestrial arthropods, particularly millipedes</b>	Mwabvu, Tarombera - Dr	<a href="mailto:mwabvut@ukzn.ac.za">mwabvut@ukzn.ac.za</a>	031 260 3186 084 604 9896	School of Life Sciences
<b>Infectious disease modelling. Statistics and Biostatistics methods in health and applied research including analysis of correlated cross-sectional and longitudinal data, missing data models, modelling time to event data in survival analysis; spatial statistics, generalised linear and mixed models, Experimental and clinical trial</b>	Mwambi, Henry - Professor	<a href="mailto:mwambih@ukzn.ac.za">mwambih@ukzn.ac.za</a>	033 260 5614 082 684 7185	School of Mathematics, Statistics and Computer Science

<b>design and analysis. Statistical Methodology Research.</b>				
<b>Image processing &amp; computer vision; signal processing; artificial intelligence</b>	Naidoo, Bashan - Mr	<a href="mailto:bnaido@ukzn.ac.za">bnaido@ukzn.ac.za</a>	031 260 2758 083 258 8638	School of Engineering / Electrical, Electronic & Computer Engineering
<b>Plant ecophysiology; estuarine ecology; plant stress physiology; environmental pollution, wetland plant ecology</b>	Naidoo, Gonasageran – Professor Emeritus	<a href="mailto:naidoogn2@ukzn.ac.za">naidoogn2@ukzn.ac.za</a>	031 260 7367 082 901 3728	School of Life Sciences
<b>Chemical thermodynamics &amp; separation studies, via distillation, absorption, crystallisation, liquid extraction and enhanced separation technologies; carbon capture, oil extraction, purification and concentration studies</b>	Naidoo, Paramespri (Prathieka) - Professor	<a href="mailto:naidoop18@ukzn.ac.za">naidoop18@ukzn.ac.za</a>	031 260 3177 082 478 2440	School of Engineering / chemical engineering
<b>Secretory structures, essential oils, phytochemistry, histochemistry &amp; cytochemistry of selected southern African medicinal plants; microscopy of salt-secreting structures in halophytes; microscopy of foliar structures of resurrection plants</b>	Naidoo, Yougasphree - Dr	<a href="mailto:naidooy1@ukzn.ac.za">naidooy1@ukzn.ac.za</a>	031 260 7360	School of Life Sciences
<b>Hyperbolic systems of conservation laws; Finite volume methods for partial differential equations; Numerical analysis of differential equations; Computational fluid dynamics</b>	Ngnotchouye, Jean Medard Tchoukouengno - Dr	<a href="mailto:ngnotchouye@ukzn.ac.za">ngnotchouye@ukzn.ac.za</a>	033 260 5629 079 336 0489	School of Mathematics, Statistics and Computer Science
<b>Stem cells; differentiation &amp; migration; muscle; wound repair; tissue engineering</b>	Niesler, Carola U - Dr	<a href="mailto:niesler@ukzn.ac.za">niesler@ukzn.ac.za</a>	033 260 5465 083 773 5898	School of Life Sciences
<b>Electrochemistry; electrocatalysis, sensors development; nanofiber fabrication, nanotechnology</b>	Nombona, Nolwazi - Dr	<a href="mailto:Nombonan@ukzn.ac.za">Nombonan@ukzn.ac.za</a>	031 260 3199 078 523 1928	School of Chemistry and Physics
<b>Statistics education: curriculum development, Institutional research; Statistics capacity building from grassroots to PG level– initiatives though links with government, business and industry</b>	North, Delia – Professor	<a href="mailto:northd@ukzn.ac.za">northd@ukzn.ac.za</a>	031 260 3011 083 661 3650	School of Mathematics, Statistics and Computer Science

<b>Ruminant nutrition; livestock production</b>	Nsahlai, Ignatius – Professor	<a href="mailto:nsahlail@ukzn.ac.za">nsahlail@ukzn.ac.za</a>	033 260 5473 083 619 4925	School of Agricultural, Earth and Environmental Sciences
<b>Separation; Fluidisation; Biofuels; Electrochemical engineering</b>	Ntunka, Mbuyu Germain - Mr	<a href="mailto:ntunka@ukzn.ac.za">ntunka@ukzn.ac.za</a>	031 260 3215 086 695 3030	School of Engineering / Chemical Engineering
<b>Nanotechnology; Green Chemistry and Catalysis; Sustainable Energy; Ferrocenes Metalloenes and Organometallic Chemistry</b>	Nyamori, Vincent Onserio - Professor	<a href="mailto:nyamori@ukzn.ac.za">nyamori@ukzn.ac.za</a>	031 260 8256 082 816 7587	School of Chemistry and Physics
<b>Environmental Engineering; Environmental Impact Assessment, Contaminant Transport Modelling; Management of Information Systems; Biofuels</b>	Obwaka, Elly - Mr	<a href="mailto:obwakae@ukzn.ac.za">obwakae@ukzn.ac.za</a>	031 260 3382 083 431 6206	School of Engineering / Chemical Engineering
<b>Aquatic Ecology, Ecological Risk Assessments, Environmental Flows, Water Resource protection, Fisheries.</b>	O'Brien, Gordon – Dr Honorary Associate	<a href="mailto:obrieng@ukzn.ac.za">obrieng@ukzn.ac.za</a>	033 260 6088 084 580 4161	School of Life Sciences / Aquatic Ecosystem Research Programme
<b>Crop Science; Agronomy; Seed Science &amp; Technology</b>	Odindo Alfred Oduor - Dr	<a href="mailto:odindoa@ukzn.ac.za">odindoa@ukzn.ac.za</a>	033 260 5425	School of Agricultural, Earth & Environmental Sciences / Crop Science
<b>Inorganic Chemistry, Applied Organometallic Chemistry and Homogeneous Catalysis, Polymer Chemistry; synthesise and characterization, biodegradable polymers</b>	Ojwach, Stephen Otieno - Professor	<a href="mailto:ojwach@ukzn.ac.za">ojwach@ukzn.ac.za</a>	033 260 5239, 072 541 5542.	School of Chemistry and Physics
<b>Environmental Biotechnology; Microbial Ecology &amp; Metagenomics; Bioremediation; Enzyme Technology; Microalgal Technology; Waste and Wastewater treatment; Water quality monitoring.</b>	Olaniran, Ademola - Professor	<a href="mailto:olanirana@ukzn.ac.za">olanirana@ukzn.ac.za</a>	031 260 7400 072 574 7552	School of Life Sciences / Microbiology
<b>General entomology; alien invasive plants; biological control of pests</b>	Olckers, Terence - Dr	<a href="mailto:olckerst@ukzn.ac.za">olckerst@ukzn.ac.za</a>	033 260 5139 082 933 7383	School of Life Sciences
<b>Agricultural production economics; agricultural policy; farm &amp; financial management</b>	Ortmann, Gerald Friedel - Professor	<a href="mailto:ortmann@ukzn.ac.za">ortmann@ukzn.ac.za</a>	033 260 5492	School of Agricultural, Earth and Environmental Sciences
<b>Separations technology; Gas Solubility; Carbon Dioxide Capture; Thermodynamics</b>	Osman, Khalid - Dr	<a href="mailto:osman@ukzn.ac.za">osman@ukzn.ac.za</a>	031 260 1674 083 645 8705	School of Engineering/ Chemical Engineering



<b>Chemical and Physical Crystallography; Organometallic Chemistry and Homogeneous Catalysis; Nanotechnology</b>	Owaga, Bernard Omondi - Dr	<a href="mailto:owaga@ukzn.ac.za">owaga@ukzn.ac.za</a>	031 260 7323 072 344 0611	School of Chemistry and Physics
<b>Mechanical design and failure analysis; Design of CNC machines and automated manufacturing equipment; Manufacturing system facility design and layout optimization; Optimization techniques including metaheuristic applied to manufacturing operations management problems</b>	Padayachee, Jared – Mr	<a href="mailto:padayacheej@ukzn.ac.za">padayacheej@ukzn.ac.za</a>	031 260 3216 083 690 8219	School of Engineering / mechanical engineering
<b>Chemistry Education, Student Academic Support – Supplemental Instruction training and materials development</b>	Paideya, Vinodhani - Dr	<a href="mailto:paideya@ukzn.ac.za">paideya@ukzn.ac.za</a>	031 260 8311	School of Chemistry & Physics
<b>Conservation biology, biology of parrots, ecology of rodents, scientific editing , postgraduate supervision</b>	Perrin, Michael Richard - Professor	<a href="mailto:perrin@ukzn.ac.za">perrin@ukzn.ac.za</a> or <a href="mailto:perrin@sai.co.za">perrin@sai.co.za</a>	033 260 5118	School of Life Sciences
<b>Multisite Water Resources and Reservoir Stochastic Systems Analysis; Radar-rainfield stochastic modelling; Computation of ‘best’ merged rainfields by merging gauge, radar and Meteosat data; Remote sensing of Precipitation and Soil Moisture using Geostationary and polar orbiting satellites; Assessing the effect of possible Climate Change scenarios on daily Gauge Network Precipitation; Repairing Decimated Raingauge Networks.</b>	Pegram, Geoffrey- Professor	<a href="mailto:Pegram@ukzn.ac.za">Pegram@ukzn.ac.za</a>	031 260 3057	School of Engineering/ Civil Engineering
<b>Quantum information processing &amp; communication; quantum cryptography; open quantum systems; quantum optics; big data; machine learning; 4th Industrial Revolution</b>	Petruccione, Francesco - Professor	<a href="mailto:petruccione@ukzn.ac.za">petruccione@ukzn.ac.za</a>	031 260 2770 072 664 3476	School of Chemistry and Physics / Quantum Research Group
<b>Industrial &amp; environmental biotechnology; wastewater treatment &amp; bioremediation of</b>	Pillay, Balakrishna – Professor	<a href="mailto:pillayb1@ukzn.ac.za">pillayb1@ukzn.ac.za</a>	031 260 7404 083 378 8587	School of Life Sciences

<b>recalcitrant pollutants; bioenergy production from non-edible feedstocks; development of new technologies for evaluation of water quality; microbiological quality of water resources</b>				
<b>Redox biology, systems biology, computational modelling of biological systems, yeast molecular biology and biochemistry</b>	Pillay, Ché - Dr	<a href="mailto:pillayc3@ukzn.ac.za">pillayc3@ukzn.ac.za</a>	033 260 6231	School of Life Sciences
<b>Magnetotactic bacteria and nanoparticle synthesis. Tissue culture</b>	Pillay (née Muthusamy), Karen - Dr	<a href="mailto:muthusamy@ukzn.ac.za">muthusamy@ukzn.ac.za</a>	031 260 7665	School of Life Sciences / Biochemistry
<b>Human nutrition; clinical dietetics; biofortification</b>	Pillay, Kirthee – Dr	<a href="mailto:pillayk@ukzn.ac.za">pillayk@ukzn.ac.za</a>	033 260 5674 083 785 3072	School of Agricultural, Earth and Environmental Sciences / Dietetics
<b>Artificial Intelligence; biologically inspired methods; hyper-heuristics; combinatorial optimization</b>	Pillay, Nelishia – Dr	<a href="mailto:pillayn32@ukzn.ac.za">pillayn32@ukzn.ac.za</a>	033 260 5644	School of Mathematics, Statistics and Computer Science / Computer Science
<b>Estuarine studies; water quality / contaminant studies in aquatic systems; coastal geomorphology; physical geography</b>	Pillay, Srinivasan - Dr	<a href="mailto:pillays2@ukzn.ac.za">pillays2@ukzn.ac.za</a>	031 260 7654	School of Agricultural, Earth and Environmental Sciences
<b>Power system dynamics; Flexible AC Transmission Systems; Subsynchronous Resonance</b>	Pillay Carpanen, Rudiren - Dr	<a href="mailto:pillayr21@ukzn.ac.za">pillayr21@ukzn.ac.za</a>	031 260 1217	School of Engineering
<b>Coal processing; mineral processing; extractive metallurgy, educational research</b>	Pocock, Jonathan – Dr	<a href="mailto:pocockj@ukzn.ac.za">pocockj@ukzn.ac.za</a>	031 260 3377	School of Engineering / Chemical Engineering
<b>Protein Biochemistry: Protein purification and characterisation, recombinant antibody production and characterisation</b>	Pooe, Ofentse - Dr	<a href="mailto:pooeo@ukzn.ac.za">pooeo@ukzn.ac.za</a>	031 260 7664	School of Life Sciences / Biochemistry
<b>Biodiversity measurement; Global biogeography; Endemism in southern Africa; Weevils (Coleoptera: Curculionoidea)</b>	Proches, Serban - Professor	<a href="mailto:prochess@ukzn.ac.za">prochess@ukzn.ac.za</a>	031 260 7317	School of Life Sciences / Environmental Science
<b>Materials Science, Nanoscience, Electron</b>	Pruessner, Karin - Dr	<a href="mailto:pruessner@ukzn.ac.za">pruessner@ukzn.ac.za</a>	031 260 7660	School of Chemistry &

<b>Microscopy, High-Temperature Materials, Materials for Energy Applications</b>				Physics
<b>Phase equilibrium; thermodynamics, measurement &amp; computation; gas chromatograph calibration for gases and gas-liquid mixtures; flow calorimetry for measuring heat capacity or heats-of-mixing</b>	Raal, J David, - Professor	<a href="mailto:raal@ukzn.ac.za">raal@ukzn.ac.za</a>	031 260 3124 082 806 7242	School of Engineering / Chemical Engineering / Thermodynamics Research Group
<b>Chemical thermodynamics – separation studies, phase equilibria; distillation studies, process synthesis and design</b>	Ramjugernath, Deresh - Professor	<a href="mailto:ramjuger@ukzn.ac.za">ramjuger@ukzn.ac.za</a>	031 260 3128 082 336 3925	School of Engineering / chemical engineering
<b>Kinetic and Mechanistic Investigations of Transition Metal Systems; Physical Inorganic Chemistry; General Chemistry</b>	Reddy, Desigan - Dr	<a href="mailto:reddyd2@ukan.ac.za">reddyd2@ukan.ac.za</a>	033 260 5324	School of Chemistry and Physics
<b>Integrated multitrophic aquaculture, aquaponics, microplastics and seaweeds cultivation.</b>	Robertson-Andersson, Deborah - Dr	<a href="mailto:Robertsond@ukzn.ac.za">Robertsond@ukzn.ac.za</a>	031 260 7410 082 817 2337	School of Life Sciences / Marine Biology
<b>Finite group theory and applications to Algebraic coding theory &amp; Combinatorial Design theory; computational group theory &amp; modular representation theory of finite simple groups</b>	Rodrigues, Bernardo - Professor	<a href="mailto:rodrigues@ukzn.ac.za">rodrigues@ukzn.ac.za</a>	031 260 2630	School of Mathematics, Statistics and Computer Science
<b>Agrometeorology; environmental physics; micrometeorology; soil physics/soil water relations; soil-plant-atmosphere system</b>	Savage, Michael John - Professor	<a href="mailto:savage@ukzn.ac.za">savage@ukzn.ac.za</a>	033 260 5514	School of Agricultural, Earth and Environmental Sciences
<b>Ecological network analysis; mutualism &amp; competition in ecological networks; ecosystem models of coastal &amp; oceanic environments; estuarine ecology; mangrove ecology</b>	Scharler, Ursula Michaela - Dr	<a href="mailto:scharler@ukzn.ac.za">scharler@ukzn.ac.za</a>	031 260 1605	School of Life Sciences / Biological & Conservation Sciences
<b>Bacterial ecophysiology; microbiological quality of water and produce; industrial &amp; environmental biotechnology; microbial catabolism of environmental pollutants; microbiology of anaerobic digestion</b>	Schmidt, Stefan – Professor	<a href="mailto:schmidts@ukzn.ac.za">schmidts@ukzn.ac.za</a>	033 260 5523	School of Life Sciences / Biochemistry, Genetics & Microbiology

<b>processes (i.e. biogas)</b>				
<b>Community ecology; evolutionary ecology, macroecology; small mammals</b>	Schoeman, Corrie – Dr (Honorary Staff)	<a href="mailto:schoeman@ukzn.ac.za">schoeman@ukzn.ac.za</a>	073 173 5080	School of Life Sciences
<b>Agroclimatic mapping; climate change impacts on water and agricultural resources; hydrological modelling; land use impacts on water resources</b>	Schulze, Roland – Professor Emeritus	<a href="mailto:schulzer@ukzn.ac.za">schulzer@ukzn.ac.za</a>	033 260 5489 082 572 7937	School of Agricultural, Earth and Environmental Sciences
<b>Irrigation engineering; irrigation water management; agricultural water management</b>	Senzanje, Aiden - Dr	<a href="mailto:senzanjea@ukzn.ac.za">senzanjea@ukzn.ac.za</a>	033 260 6064 082 505 5061	School of Engineering / Bioresources Engineering
<b>Medicinal plant biotechnology; plant micro-propagation; extraction and analysis of secondary metabolites; in vitro seed germination, metal nanoparticle synthesis</b>	Shaik, Shakira - Dr	<a href="mailto:shaiksh@ukzn.ac.za">shaiksh@ukzn.ac.za</a>	031 260 7773 079 106 0704	School of Life Sciences
<b>Plant breeding; plant genetics; biometrical methods</b>	Shimelis, Hussein - Professor	<a href="mailto:shimelish@ukzn.ac.za">shimelish@ukzn.ac.za</a>	033 260 6474 072 226 4729	School of Agricultural, Earth and Environmental Sciences
<b>Homogeneous catalysis, Heterogeneous catalysis, Organometallic chemistry; Electrocatalysis and Materials Science</b>	Shozi, Mzamo - Dr	<a href="mailto:shozim2@ukzn.ac.za">shozim2@ukzn.ac.za</a>	031 260 3105 072 665 2430	School of Chemistry and Physics
<b>Experimental Design and biostatistics. Analysis of Health, Environmental and demography statistics. Multilevel multivariate modeling, Bayesian approach and survival analysis.</b>	Siaka, Lougue - Dr	<a href="mailto:siaka@ukzn.ac.za">siaka@ukzn.ac.za</a>	033 260 8194 083 311 5380	School of Mathematics, Statistics and Computer Science
<b>Applied Mathematics; Mathematical Modelling; Fluid dynamics</b>	Sibanda, Precious - Professor	<a href="mailto:sibandap@ukzn.ac.za">sibandap@ukzn.ac.za</a>	033 260 5626 072 220 7293	School of Mathematics, Statistics and Computer Science
<b>Plant breeding; biometrical genetics; genotype x environment analysis, plant pathology, scientific communication</b>	Sibiya, Julia – Dr	<a href="mailto:sibiyaj@ukzn.ac.za">sibiyaj@ukzn.ac.za</a>	033 260 6246 083 710 2317	School of Agricultural, Earth and Environmental Sciences
<b>Open quantum systems; Quantum information processing; Quantum optics; Group theory and quantum mechanics</b>	Sinayskiy, Ilya - Dr	<a href="mailto:sinayskiy@ukzn.ac.za">sinayskiy@ukzn.ac.za</a>	031 260 8133 071 174 4373	School of Chemistry and Physics

<b>Nanotherapeutics, non-viral gene delivery and expression (liposomes &amp; nanoparticles, nanotubes); RNA interference and gene silencing; general biochemistry; mammalian tissue culture</b>	Singh, Moganavelli - Dr	<a href="mailto:singhm1@ukzn.ac.za">singhm1@ukzn.ac.za</a>	031 260 7170 083 775 8672	School of Life Sciences
<b>Design and synthesis of new organic scaffolds, Molecular modelling, Drug design and drug discovery, Pharmacophore modelling, Docking, peptide/protein folding study, Density functional theory.</b>	Singh, Parvesh - Dr	<a href="mailto:singhp4@ukzn.ac.za">singhp4@ukzn.ac.za</a>	031 260 2181, 074 514 7754	School of Chemistry and Physics
<b>Heterogenous Catalysis: Catalytic oxidation and oxidative dehydrogenation, hydrogenolysis, preferential oxidation and hydrogenation reactions.</b>	Singh, Sooboo - Dr	<a href="mailto:singhso@ukzn.ac.za">singhso@ukzn.ac.za</a>	031 260 7017 083 782 4497	School of Chemistry and Physics
<b>Analogue Electronics, VLSI Design, RF Systems, Microelectronics Engineering, Communication Engineering</b>	Srivastava, Viranjay M - Professor	<a href="mailto:srivastava@ukzn.ac.za">srivastava@ukzn.ac.za</a> <a href="mailto:Viranjay@ieee.org">Viranjay@ieee.org</a>	031 260 2759 084 657 5266	School of Engineering / Electronic Engineering
<b>Food Science: cereal science &amp; technology; food microbiology &amp; industrial microbiology; food quality assurance</b>	Siwela, Muthulisi - Dr	<a href="mailto:siwelam@ukzn.ac.za">siwelam@ukzn.ac.za</a>	033 260 5459 072 415 9652	School of Agricultural, Earth and Environmental Sciences
<b>Biodiversity and conservation management; Large mammal conservation; invertebrate conservation</b>	Slotow, Rob - Professor	<a href="mailto:slotow@ukzn.ac.za">slotow@ukzn.ac.za</a>	083 681 7136	School of Life Sciences
<b>Agricultural engineering; engineering hydrology, floods and water resources</b>	Smithers, Jeffrey, - Professor	<a href="mailto:smithers@ukzn.ac.za">smithers@ukzn.ac.za</a>	033 260 5490	School of Engineering / Bioresources Engineering
<b>Sugarcane biorefinery – biomass conversion and separation, catalysis, process and solvent design.</b>	Stark, Annegret – Professor	<a href="mailto:starka@ukzn.ac.za">starka@ukzn.ac.za</a>	031 260 3383 073 252 5906	School of Engineering / chemical engineering
<b>Space Physics</b>	Stephenson, Judy Ann Elizabeth - Dr	<a href="mailto:stephens@ukzn.ac.za">stephens@ukzn.ac.za</a>	083 396 7938	School of Chemistry and Physics
<b>Mechatronics; robotics; electronics; communication; network security; aviation;</b>	Stopforth, Riaan - Professor	<a href="mailto:stopforth@ukzn.ac.za">stopforth@ukzn.ac.za</a>	031 260 1063 072 255 3330	School of Engineering / Mechanical Engineering

<b>drones; ballistics; advanced prosthetics; accident investigation</b>				
<b>Integrated and adaptive water management; water governance; adaptation to climate change; South African water law and policies; participatory Processes</b>	Stuart-Hill, Sabine - Dr	<a href="mailto:Stuart-Hills@ukzn.ac.za">Stuart-Hills@ukzn.ac.za</a>	033 260 5460	School of Agricultural, Earth and Environmental Sciences / Centre for Water Resources Research
<b>High Voltage Engineering</b>	Swanson, Andrew - Dr	<a href="mailto:swanson@ukzn.ac.za">swanson@ukzn.ac.za</a>	031 260 2713	School of Engineering / Electrical Engineering
<b>Image processing &amp; computer vision; pattern recognition; machine learning; algorithms</b>	Tapamo, Jules-Raymond - Professor	<a href="mailto:tapamoj@ukzn.ac.za">tapamoj@ukzn.ac.za</a>	031 260 2751 079 337 3772	School of Engineering / Computer Engineering
<b>Plant physiology, fruit trees orchard management, postharvest technology, plant antioxidants</b>	Tesfay, Samson - Dr	<a href="mailto:Tesfay@ukzn.ac.za">Tesfay@ukzn.ac.za</a>	(033) 2606180	School of Agricultural, Earth and Environmental Sciences
<b>Taxonomy, systematics and zoogeography of sea cucumbers (Echinodermata: Holothuroidea)</b>	Thandar, Ahmed S – Emeritus Professor	<a href="mailto:thandara@ukzn.ac.za">thandara@ukzn.ac.za</a>	031 260 7972 083 616 4565	School of Life Sciences
<b>Power System Stability and control On-line Dynamic Security Assessment</b>	Tiako, Remy – Dr	<a href="mailto:Tiako@ukzn.ac.za">Tiako@ukzn.ac.za</a>	031-2601244 073 689 8670	School of Engineering / Electrical Engineering
<b>Biodiversity; Forest and savanna dynamics; Plant ecology; Restoration ecology</b>	Tsvuura, Zivanai - Dr	<a href="mailto:Tsvuuraz@ukzn.ac.za">Tsvuuraz@ukzn.ac.za</a>	033 260 5805 079 617 2484	School of Life Sciences
<b>Poultry science; reproduction &amp; fertility</b>	Tyler, Nicola - Dr	<a href="mailto:tyler@ukzn.ac.za">tyler@ukzn.ac.za</a>	033 260 5475	School of Agricultural, Earth and Environmental Sciences
<b>Evolutionary Biology; Pollination ecology; Molecular systematics</b>	Van der Niet, Timo – Dr	<a href="mailto:vanderNiett@ukzn.ac.za">vanderNiett@ukzn.ac.za</a>	033 260 6492	School of Life Sciences
<b>Organic chemistry; natural product chemistry, synthetic chemistry, chemistry of plants used in traditional medicine; drug discovery</b>	Van Heerden, Fanie – Professor	<a href="mailto:vanheerdenf@ukzn.ac.za">vanheerdenf@ukzn.ac.za</a>	033 260 5886 082 823 8642	School of Chemistry and Physics
<b>Community nutrition and geophagia</b>	Van Onselen, Annette - Dr	<a href="mailto:Vanonselen@ukzn.ac.za">Vanonselen@ukzn.ac.za</a>	(033) 2606154 083 468 2862	School of Agricultural, Earth and Environmental Sciences
<b>Plant growth &amp; development; plant hormones; seed germination; traditional medicinal plants</b>	Van Staden, Johannes - Professor	<a href="mailto:rcpgd@ukzn.ac.za">rcpgd@ukzn.ac.za</a> <a href="mailto:vanstadenj@ukzn.ac.za">vanstadenj@ukzn.ac.za</a>	033 260 5130/1	School of Life Sciences

<b>Inorganic chemistry; nanomaterials chemistry; water desalination; biomass and sugar cane; solar cell; battery; green chemistry; cluster chemistry</b>	Van Zyl, Werner Ewald - Professor	<a href="mailto:vanzylw@ukzn.ac.za">vanzylw@ukzn.ac.za</a>	031 260 3188 072 476 5750	School of Chemistry and Physics
<b>Plant tissue culture; plant germplasm conservation; cryopreservation of plant tissues; horticulture</b>	Varghese, Dalia - Dr	<a href="mailto:vaghese@ukzn.ac.za">vaghese@ukzn.ac.za</a>	031 260 1404 078 725 6177	School of Life Sciences
<b>Drug Discovery, Medicinal Chemistry, Organic Chemistry; Synthetic Chemistry, Natural Product Chemistry, NMR spectroscopy, Biological Mass Spectrometry</b>	Veale, Clinton G.L. - Dr	<a href="mailto:vealec@ukzn.ac.za">vealec@ukzn.ac.za</a>	031 260 6365	School of Chemistry and Physics
<b>Atmospheric Remote Sensing, Atmospheric Physics, Atmospheric Structure and wave dynamics, Middle Atmosphere and Thermosphere and Ionosphere Interactions, Air Pollution, Aerosols and Clouds, Solar and UV Radiation</b>	Venkataraman, Sivakumar – Professor	<a href="mailto:venkataramans@ukzn.ac.za">venkataramans@ukzn.ac.za</a>	031 260 7661	School of Chemistry and Physics
<b>Image processing and computer vision; pattern recognition and machine learning; biometrics; medical imaging and pathology detection; software reverse engineering and design patterns identification.</b>	Viriri Serestina - Dr	<a href="mailto:viriris@ukzn.ac.za">viriris@ukzn.ac.za</a>	031 260 3230	School of Mathematics, Statistics and Computer Science
<b>Artificial creativity - evolutionary computing and machine learning techniques applied to music &amp; acoustics; Operating systems - data communications and networking; high-performance computing; Software development - programming languages and development methods.</b>	Vorster, Luke – Mr	<a href="mailto:vorsterl@ukzn.ac.za">vorsterl@ukzn.ac.za</a>	031 260 1037 078 939 2841	School of Mathematics, Statistics and Computer Science
<b>Stress physiology of invertebrates; animal adaption to changing environments; ecotoxicology &amp; biomarker environments; animal performance in aquaculture &amp; mariculture environments; metal pollution</b>	Vosloo, Andre - Dr	<a href="mailto:vosloo@ukzn.ac.za">vosloo@ukzn.ac.za</a>	031 260 1337 082 455 5321	School of Life Sciences



<b>induced effects on animals.</b>				
<b>Animal physiology and biochemistry; molecular mechanisms of functional adaptation; environmental toxicology; oxidative stress; thermal biology</b>	Vosloo, Dalene - Dr	<a href="mailto:voslood@ukzn.ac.za">voslood@ukzn.ac.za</a>	031 260 3237	School of Life Sciences
<b>Climate change impacts on hydrology; climate change detection; climate change, land use &amp; water dynamics</b>	Warburton, Michele – Dr	<a href="mailto:warburtonm@ukzn.ac.za">warburtonm@ukzn.ac.za</a>	033 260 6087	School of Agricultural, Earth and Environmental Sciences
<b>Structural geology &amp; tectonics, regional &amp; field geology; petrology &amp; geochemistry; economic geology</b>	Watkeys, Michael - Professor Emeritus	<a href="mailto:watkeys@ukzn.ac.za">watkeys@ukzn.ac.za</a>	082 744 9748	School of Agricultural, Earth and Environmental Sciences / Geological Sciences
<b>Plant propagation; plant biotechnology; plant physiology &amp; biochemistry</b>	Watt, Paula – Professor	<a href="mailto:wattm@ukzn.ac.za">wattm@ukzn.ac.za</a>	031 260 1199	School of Life Sciences
<b>Nonlinear analysis. Theory, methods, and applications; Elliptic partial differential equations (linear, semilinear, and nonlinear); Evolutionary equations and dynamical systems; Controllability theory for partial differential equations; Finite dimensional differential equations, dynamical systems, bifurcation theory and applications; Bifurcation and degree theories for partial differential equations and applications</b>	Willie, Robert - Dr	<a href="mailto:wilier@ukzn.ac.za">wilier@ukzn.ac.za</a>	031 260 7150	School of Mathematics, Statistics and Computer Science
<b>Conservation genetics; phylogenetics &amp; bioinformatics; landscape genetics &amp; phylogeography</b>	Willows-Munro, Sandi - Dr	<a href="mailto:Willows-munro@ukzn.ac.za">Willows-munro@ukzn.ac.za</a>	033 260 5436 072 931 6957	School of Life Sciences
<b>Isotope geochemistry; Geochronology; Geochemistry; Mineralogy; Igneous petrology; Alkaline igneous rocks</b>	Woodard, Jeremy - Dr	<a href="mailto:woodardj@ukzn.ac.za">woodardj@ukzn.ac.za</a>	031 260 2804	School of Agricultural, Earth and Environmental Sciences / Geological Sciences
<b>Agricultural and food engineering</b>	Workneh, Tilahun Seyoum – Professor	<a href="mailto:seyoum@ukzn.ac.za">seyoum@ukzn.ac.za</a>	033 260 5819 073 590 2339	School of Engineering/ Bioresources Engineering
<b>Wireless communications</b>	Xu, Hongjun – Professor	<a href="mailto:xuh@ukzn.ac.za">xuh@ukzn.ac.za</a>	031 260 2107 072 463 9156	School of Engineering
<b>Plant Pathology: Biological Control, biofertilization, disease management</b>	Yobo, Kwasi Sackey - Dr	<a href="mailto:yobok@ukzn.ac.za">yobok@ukzn.ac.za</a>	(033) 260 5822 082 979 1057	School of Agricultural, Earth and Environmental Sciences

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<b>Agricultural development economics; agro-biodiversity economics/natural resource economics; agricultural technology adoption; cost benefit analysis/impact assessment; economics of water use in agriculture, rural household survey design &amp; implementation</b>	Zegeye, Edilegnaw Wale - Professor	<a href="mailto:walee@ukzn.ac.za">walee@ukzn.ac.za</a>	033 260 5410 079 942 1786	School of Agricultural, Earth and Environmental Sciences / Agricultural Economics
<b>Applied statistics; model diagnostics; generalised linear mixed models; generalised linear &amp; nonlinear models; longitudinal studies</b>	Zewotir, Temesgen - Professor	<a href="mailto:zewotir@ukzn.ac.za">zewotir@ukzn.ac.za</a>	033 260 5611 083 521 5476	School of Mathematics, Statistics and Computer Science