

**HDR Supervisor Register - College of Engineering, Science & Technology**

#	Staff Name	Area of Expertise	Number of HDR Candidates Supervised to Completion	Email Contact	Phone Contact
1	Professor Tibor Pasinszki	Chemistry	2 PhD	<a href="mailto:tibor.pasinszki@fnu.ac.fj">tibor.pasinszki@fnu.ac.fj</a>	Phone: +679 2984306
2	Dr. Satyanand Singh	Machine Learning, Speech and language processing specifically in analytics of transcribed/transcribed speech, Signal Processing.	5 Masters	<a href="mailto:satyanand.singh@fnu.ac.fj">satyanand.singh@fnu.ac.fj</a>	Phone: 9226190 Ext. 1015
3	Dr. Patrick Singh	Mechanical Engineering: Renewable Energy, Fluid machinery, Energy Storage Systems	None	<a href="mailto:patrick.singh@fnu.ac.fj">patrick.singh@fnu.ac.fj</a>	Phone: 3381044 ext. 1552
4	Dr. Ravi Sharma	Animal Physiology, Wildlife and Ecology.	None	<a href="mailto:ravi.sharma@fnu.ac.fj">ravi.sharma@fnu.ac.fj</a>	Phone: 2138899
5	Dr. Ronesh Sharma	Artificial Intelligence, Machine learning algorithms, Bioinformatics, Data Mining, Pattern Recognition robotics and Control Engineering.	None	<a href="mailto:ronesh.sharma@fnu.ac.fj">ronesh.sharma@fnu.ac.fj</a>	Phone: 3381044 ext.1509 or 9264802
6	Dr. Shiu Kumar	Brain-Computer Interface, Artificial Intelligence, Machine Learning, Pattern Recognition, Signal Processing, Data Mining	None	<a href="mailto:shiu.kumar@fnu.ac.fj">shiu.kumar@fnu.ac.fj</a>	Phone: 3381044 Ext: 1504
7	Dr. Rajnesh Lal	Data Assimilation, Blood flow modelling, Mathematical modelling for problems in fluid dynamics, Adaptive mesh refinement methods for problems in fluid engineering, Finite volume and finite difference methods for computational fluid dynamics, Mathematical Modeling, Numerical Analysis.	None	<a href="mailto:rajnesh.lal@fnu.ac.fj">rajnesh.lal@fnu.ac.fj</a>	Phone: 3381044 ext. 7051
8	Dr. Kotti Ramanuja Rao	Algebra, Algebraic Geometry with Applications, Topology and Number Theory.	None	<a href="mailto:ramanuja.kotti@fnu.ac.fj">ramanuja.kotti@fnu.ac.fj</a>	Phone: 3381044 ext. 7001
9	Dr Kiran Kumar Kondamareddy	Photovoltaics - Dye-sensitized solar cells, Organic-Inorganic lead halide Perovskite solar cells, Photo catalysis, Hydrogen and Oxygen evolution, Synthesis and characterization of Nano materials and Nano-composite materials; for photocatalytic and photovoltaic applications, Synthesis and characterisation of polymer blend complexes, nanocomposite polymer blend electrolyte materials for solid-state electrochemical cell applications.	None	<a href="mailto:kiran.kondamareddy@fnu.ac.fj">kiran.kondamareddy@fnu.ac.fj</a>	Phone: 3381044 ext. 7084 Mobile contact: 2928873

10	Dr Ravita Prasad	Renewable energy and long-term energy planning	None	<a href="mailto:ravita.prasad@fnu.ac.fj">ravita.prasad@fnu.ac.fj</a>	Phone: 9940870 (landline: 3384777 Ext (4356)
11	Dr. Jimaima Lako	Food Science and Technology; Phytochemicals and antioxidants of Pacific foods, Food product development and shelf life testing, Post-Harvest, Food safety-traceability, Nutritional Sciences, Dietary and nutritional assessment, Glycemic responses, Diabetes food intake intervention, Food Security and Climate Change, Food Value Chain Analyses	8 MSc	<a href="mailto:jimaima.lako@fnu.ac.fj">jimaima.lako@fnu.ac.fj</a>	Phone: 3381044 ext 4330 (landline) or 7868603 (mobile)
12	Dr Visheshni Chandra	Biodiversity, Conservation, Ecology, Entomology, Sustainability, Resource Management, Climate Change and Phylogenetics.	None	<a href="mailto:visheshni.chandra@fnu.ac.fj">visheshni.chandra@fnu.ac.fj</a>	Phone: 9235921 landline: 3381044
13	Dr Harshna Charan	Marine Ecology, Phycology, Climate Change, Blue carbon economy, Interactive environmental effects, Biodiversity, Conservation, Invasive species, GIS, Elemental analysis	None	<a href="mailto:harshna.charan@fnu.ac.fj">harshna.charan@fnu.ac.fj</a>	Phone: 8316102 landline: Ext 4361
14	Dr. Bhanu Pratap Soni	Power Systems, Power System Stability, Demand Side Management, Smart Grid, Renewable Energy, EV & Battery Management System, AI-ML, Optimization, Image Processing and Deep Learning	3 Masters	<a href="mailto:bhanu.soni@fnu.ac.fj">bhanu.soni@fnu.ac.fj</a>	Phone: 8330344 Ext. 1503
15	Dr. Kunal Kushal Dayal	Atmospheric/Meteorological Physics, Wind Energy, Atmospheric Numerical Modelling, Weather Research and Forecasting (WRF) Model Applications & Enhancement, Microscale Wind Resource Assessment, Mesoscale Wind Resource Assessment, Mesoscale-Microscale Coupled Wind Resource Assessment, Computational Fluid Dynamics, Wind Modelling Software Applications - WAsP, WindPRO, WAsP Engineering, WAT, WindSim, WRF-WAsP coupling, HOMER and RETScreen.	1 Masters	<a href="mailto:kunal.dayal@fnu.ac.fj">kunal.dayal@fnu.ac.fj</a>	Phone: 6667533 Ext: 7045
16	Dr. Ankit Paliwal	Food Science and Technology, Food product development and shelf life testing, Food Processing, Drying Kinetics and Modelling, Food Fermentation, Food Microbiology	None	<a href="mailto:ankit.paliwal@fnu.ac.fj">ankit.paliwal@fnu.ac.fj</a>	Phone: 9028743 Ext: 4375
<b>ADJUNCT APPOINTMENTS - CEST</b>					
16	Dr. Joeli Varo	Geomatics, Urban & Regional Planning, Geography & Land Management, GIS & Remote Sensing Analyst, Disaster Risk Reduction Planner		<a href="mailto:joelivaro@gmail.com">joelivaro@gmail.com</a>	University of the South Pacific (USP) Ph: 7849780

17	Prof. Daniel Franks	Sustainable Construction & Mining Materials		<a href="mailto:d.franks@uq.edu.au">d.franks@uq.edu.au</a>	Sustainable Minerals Institute, The University of Queensland, Brisbane, Queensland, 4072, Australia Ph: +61412799942
18	Prof. Todd Dennis	Ecology, Biodiversity, Conservation		<a href="mailto:movement.ecology@gmail.com">movement.ecology@gmail.com</a>	

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