

## CRT RESEARCH GROUP

Name	Expert Areas (max 3)	Master Thesis Title	Ph.D Thesis Title
<b>Mohd Fairuz Dimin</b>	<ol style="list-style-type: none"> <li>1. Polymer</li> <li>2. Fertilizer</li> <li>3. Ionizing Radiation Protection</li> </ol>	Development Of Tsc And Dc Conductivity Measuring System And Its Application To Doped Chitosan .	
<b>Hazman Hasib</b>	Additive Manufacturing	Mechanical Behavior Of Non-Stochastic Ti-6Al-4V Cellular Structures Produced Via Electron Beam Melting (Ebm)	
<b>Muhammad Zaimi Zainal Abidin</b>	Elektrokimia, Kakisan & Degradasi, Teknik Saduran Aloj	Effect Of Plating Bath Condition On Electroless Nickel Deposition On Epoxy Resin	Electroless Quaternary Nickel Alloy On Steels For Corrosion Resistance Materials
<b>Liew Pay Jun</b>	Electrical Discharge Machining, Nanofluid, Advanced Machining Process	A Study Of Edm Machining Parameters On Skd 11 Tool Steel Using Doe	Micro Electrical Discharge Machining Of Reaction Bonded Silicon Carbide
<b>Lau Kok Tee</b>	<ol style="list-style-type: none"> <li>1. Electrodeposition And Surface Modification</li> <li>2. Functional Coating Materials</li> <li>3. Colloid And Surface Chemistry</li> </ol>	<ol style="list-style-type: none"> <li>1. Transport Current Density Of Ag-Sheathed (Bi,Pb)-Sr-Ca-Cu-O High Temperature Superconductor Tapes In Magnetic Field</li> </ol>	<ol style="list-style-type: none"> <li>2. Controlled Surface Layer Deposition For Steel Surface Hardening</li> </ol>
<b>Mohd Asyadi Azam Mohd Abid</b>	Carbon Nanomaterials; Carbon Based Energy Storage Device; Corrosion Science And Engineering	Natural Gas Pipeline Corrosion	Vertically Aligned Single Walled Cnt And Its Application As Electrochemical Capacitor
<b>Noraiham Mohamad</b>	Polymer Particulate Composites; Rubber Nanocomposites; Non-Metallic Processing	Na	Development Of Epoxidized Natural Rubber-Alumina Composites (Enran) For Impact Energy Absorption In Body Armour
<b>Qumrul Ahsan</b>	<ol style="list-style-type: none"> <li>1. Sustainable Development Of Composite Materials Using Recycled And Biomass Materials.</li> <li>2. Failure Analysis Of Electronic Packaging Materials.</li> <li>3. Nondestructive Evaluation Of Materials.</li> </ol>	Effect Of Alloying Elements On The Mechanical And Chemical Properties Of Some Copper-Based Alloy	A Study Of Crack Growth In A Type 316 Stainless Steel Plate And Weld

<b>Chang Siang Yee</b>	1d Nanostructures, Mechanical Testing, Microscopy Techniques		Mechanical Buckling Of Individual Silicon Nanoribbons On A Compliant Substrate
<b>Saifudin Hafiz Yahaya</b>	Computer Aided Geometric Design; Computer Aided Engineering; Numerical Optimization & Modeling	Said-Ball Cubic Transition Curve And Its Application To Spur Gear Design	Said-Ball Cubic Transition Curve And Its Application To Spur Gear Design
<b>Jeefferie Bin Abd Razak</b>	Polymer And Rubber; Polymer Composites; Green Materials	Preparation And Characterization Of Multiwalled Carbon Nanotubes Filled Polypropylene Composites	Preparation And Characterization Of Nr/Epdm Filled Gnps Blend Nanocomposites
<b>Mohd Edeerozey Abd Manaf</b>	Functional Polymers, Composite Materials, Green Materials	A Study Of Gaas/Ingaas/Alas Stepped Quantum Wells By C-V Profiling	Orientation Birefringence Of Hot-Drawn Cellulose Ester-Based Films
<b>Dr Mohd Shukor Salleh</b>	Semisolid Metal Processing, Casting, Machining	Metal Matrix Composite	Development Of Aluminium Alloys For Semisolid Metal Processing
<b>Hairul Effendy Ab Maulod</b>	1. Polymer Composite Materials 2. Fatigue Of Elastomer Materials 3. Natural Rubber Composites	Constitutive Modeling Of Softening In Swollen Elastomers Under Long Term Cyclic Loading	Tiada
<b>Mohd Shahadan Mohd Suan</b>	Superconductivity, Electronic Ceramic, Advanced Materials	Effect Of Cathode Waste Material Addition On The Thermal Properties Of Paint Coating And Subsequent Corrosion Properties Of Painted Mild Steel	Synthesis And Characterizations Of Yba2cu3o7-D Superconductor With Added Ai2o3 Nanoparticles Via Citrate-Nitrate Auto-Combustion Reaction
<b>Lau Kok Tee</b>	Functional Coating Materials, Electrodeposition, Particles Surface Modification	Current Transport Density Of High Temperature Superconductor Tapes	Surface Modification Of Steel
<b>Intan Sharhida Othman</b>	Metal- Ceramic Composite Coating, Surface Pre- Treatment On Metals, Tribological Testing	Influence Of Retrogression And Reaging (Rra) Heat Treatment Process On Stress Corrosion Cracking (Scc) Suceptibility Of Aluminum Alloy 7075 (Master Degree)	Electrodeposition Of Nickel Coatings On Aluminium Alloy 7075 Through A Modified Single Zinating Process (Ph.D Degree)
<b>Mohamad Ridzuan Mohamad Kamal</b>	Metal Casting, Mold And Die	Effect Of Rolling Temperature On The Properties Of Biodegradable Mg 0.7ca Alloy For Implant Application	
<b>Rose Farahiyah Munawar</b>	1) Nanotechnology (Nanomaterials And Nanocomposite), 2) Green Materials, 3) Materials Characterization	Production Of Carboxymethylcellulose (Cmc) From Oil Palm Lignocellulosic	The Sorption Of Mnfe2o4 Nanoparticles Via Chemical Coprecipitation Method Into Pulp Suspension