

Research 2015 – 2018

Total- 61

Category	Completed	On-going
Major	144	12
Minor	18	06

Patents -01

Ongoing project (Dissertation)

Sl No.	Topics
1	To evaluate and compare the efficacy of glycine and chitosan powder to regain the osseointegration of contaminated titanium surfaces : An In-Vitro Study.
2	To evaluate and compare the effect of nanoparticles of titanium dioxide, silicon dioxide and nanocomposite of titanium dioxide - silicon dioxide on tensile strength, tear strength, shore hardness of maxillofacial silicone elastomer : An In-Vitro Study
3	Comparative evaluation of influence of ceramic firing on internal fit and marginal adaptation of single metal ceramic crown restoration fabricated by Conventional Casting and Direct Metal Laser Sintering Method : An In-Vivo study
4	Comparative evaluation of anti-candidal properties of acrylic resin reinforced with magnesium oxide and silver nanoparticles and their effect on cytotoxic levels :An In-Vitro Study
5	Comparative evaluation of efficacy of different decontamination methods on reuse implant healing abutments : An In-Vitro Study
6	To evaluate the osteogenesis and osseointegration on titanium implants surface treated with <i>Cissus Quadrangularis</i> Hydrogel : An In-Vivo Animal Study

Ongoing project (Dissertation)

Sl No.	Topics
7	“Comparative Evaluation Of Cell Adhesion And Proliferation On Surface Treated Titanium Discs With A Novel Hydrogel”-An In Vitro Study
8	“Comparative evaluation of Antimicrobial efficacy of phytopharmaceutical denture cleansing tablet and commercially available denture cleansing tablet in previous denture wearers”- An in vivo study
9	“To Evaluate And Compare the Effects Of The Antifungal property, Water Sorption And Solubility Of Denture Soft Liner By Incorporating Centratherum anthelminticum and Coriandrum sativum Seed Oils.” – An In Vitro Study
10	“To Evaluate And Compare The Stress Distribution In Titanium, Glass Fibre Reinforced PEEK And Zirconia Implants And The Peri-Implant Bone Using Finite Element Analysis.”- An In Vitro Study
11	“Comparative Evaluation Of Peel Bond Strength And Shear Bond Strength Between Maxillofacial Silicone Elastomer And Polymethyl Methacrylate Resin Using Two Different Primers”: An In Vitro Study
12	Comparative Evaluation Of Efficacy Of Different Sterilization Methods On The Decontamination Of Rotary Diamond Burs- An In-Vivo Study

Ongoing project (Minor)

Sl No.	Topics
1	To Evaluate And Compare The Effect Of Addition Of Zinc Oxide Nanoparticles And Nanocellulose On The Tensile Strength, Tear Strength And Permanent Deformation Of Maxillofacial Silicone Elastomer Subjected To Accelerated Aging: An In-Vitro Study
2	Evaluation and Comparison of Sub gingival Microflora in Porcelain Fused Metal Restorations in Controlled Diabetic and Non Diabetic Patients” An In-Vivo Study
3	“A Comparative Evaluation Of Water Sorption And Solubility Of Interim Resilient Liner Incorporated With Synthetic And Herbal Antimicrobial Agents - An In–Vitro Study.”
4	Evaluation and comparison of cell adhesion and proliferation on titanium discs coated with novel hydrogel: An In-Vitro Study
5	A comparative evaluation of the impact strength, flexural strength and water sorption of heat cured polymethyl methacrylate resin reinforced with zirconia and glass fiber filler particles- an in vitro study.
6	To Evaluate and Compare The Cutting Efficiency of Two Different Rotary Diamond Burs Used for Tooth Preparation and Their Effect on The Surface Changes of Dentin- An In Vitro Study

Ongoing project (Minor)

Sl	Topics
1	A comparative evaluation of eggshell derived novel bone graft with a commercially available bone graft : An in-vitro study
2	Effect of Phytopharmaceutical Denture Cleansing tablet and commercially available denture cleansing tablet on PMMA – An invtro study.
3	Antifungal activity of seed oils on denture soft liner : An in-vitro study
4	A Finite element analysis of load transmission and stress distribution on peri-implant bone in tilted versus non-tilted PEEK and titanium implant assembly.
5	A comparative evaluation of tensile bond strength between maxillo-facial silicone elastomers and polymethyl methacrylate resin using two different primers : An in-vitro study
6	A comparative evaluation of the cytotoxicity of Co-Cr alloy fabricated using CAD/CAM DMLS and conventional casting techniques : An in-vitro study
7	In vivo evaluation of Osteogenic potential of Novel Hydrogel