

**PHR 501 GRADUATION PROJECT TOPICS**

**(2023 – 2024)**

**Demet Akalgan**

* 1. The history of perfume and the healing power of scents
  2. Sense of smell and dementia
  3. The effect of aromatherapy on memory
  4. Aromatherapy and cancer
  5. Aromatherapy and depression

**Oğuzhan Aydemir**

1. Production and Characterization of Bosvelic Acid and Curcumin Loaded Sodium Alginate/Polyvinyl Alcohol Fibers and Investigation of Their Effects on Fibroblast Proliferation

1. Production and Characterization of Sericin and Quercetin Loaded Sodium Alginate/Polyvinyl Alcohol Fibers and Investigation of Their Effects on Fibroblast Proliferation
2. Production and Characterization of Bosvelic Acid and Centella asiatica Loaded Sodium Alginate/Polyvinyl Alcohol Fibers and Investigation of Their Effects on Fibroblast Proliferation
3. Production and Characterization of Resveratrol and Curcumin Loaded Sodium Alginate/Polyvinyl Alcohol Fibers and Investigation of Their Effects on Fibroblast Proliferation
4. Production and Characterization of Bosvelic Acid, Curcumin, Resveratrol, Sericin and Quercetin Loaded Sodium Alginate/Polyvinyl Alcohol Fibers and Investigation of Their Effects on Diabetic Wound Healing

**Paria Eghbali**

1. Removal of Covid-19 treating pharmaceuticals using advanced adsorbents (BIOCHAR)

2. Removal of Covid-19 treating pharmaceuticals using advanced adsorbents (ACTIVATED CARBON)

3. Development of Z-scheme photocatalysts in persulfates activation for the removal of pharmaceuticals

**Amirhossein Fallah**

1. Removal of antibiotics from aqueous solutions by polymers.
2. Removal of antibiotics from aqueous solutions by carbonaceous materials.
3. Chemical analysis of forensic evidences: Biological fluids.
4. Chemical methods to improve bioavailability of drugs.

**Reza Ebrahimi Hariry**

1. Implementation of blockchain technology for pharmacy and pharmaceutical technology.
2. Digital pharmacy, the new era in eHealth.
3. The 5th industrial revolution in pharmaceutical science and medicine.
4. RNA interference therapeutics, shortcomings and futures.
5. Artificial intelligence in patient care and medical errors.

**Foroogh Khosravi**

1. Type 2 Diabetes in Children: Estimates of Epidemiology, Quality of Care, Costs and Resource Utilization in a Medicaid Population
2. Physicochemical Study of the Interaction of Some Water Soluble Vitamins with Vegan people
3. The importance of using technology in Pharmacy
4. Investigating Strategic Perspective Approach to Project Management in the pharmacy
5. Effect of economics condition on pharmacy services and health care services
6. Analysing the Relationship Between Postnatal Depression and Technology

**Göksu Oduncuoğlu**

1. Medicinal plants with anti-diabetic activities.
2. Design and discovery of antibiotics using natural products.
3. Medicinal plants used for treatment of cancer.
4. Plant-based COVID-19 treatment.
5. Wound healing activity of Salvia (Sage) species.

**Nazmi Özer**

1. Environmental drug pollution and effect on living systems
2. Small molecules involved in DNA transcription by inhibiting RNA polymerase I
3. Major contituents of *Hypericum perforatum* L. extracts in Turkey

**Musab Saada**

1. Taste Masking Techniques for Enhanced Oral Pharmaceutical Compliance
2. Innovations in Acne Skincare: Exploring Effective Cosmeceuticals Formulations
3. Smart Excipients: Pioneering Advancements in Tablet Formulations
4. Nanoformulations: The Future of Anti-Aging Solutions
5. Nanotechnology Based Drug Delivery Systems for Treatment of Neurological Disorders

**Gökçe Sözer**

1. Liposomal drug delivery systems and antiviral drugs
2. Development and evaluation of oral solid dosage forms containing antidiabetics active substance
3. Nanotechnological applications in dermo cosmetics
4. Development and evaluation of modified release drug delivery system
5. Oral dosage forms in multiple sclerosis treatment

**Deniz Uğur**

1. Preparation methods of polymeric (micro)particles for drug encapsulation.
2. Properties that effect drug encapsulation into polymeric matrices.
3. Synthetic biodegradable cationic polymers for intracellular drug delivery.
4. Intracellular micro-RNA delivery strategies.
5. Pharmaceutically active micro-carriers.

**Emine Leyla Üstel**

1. Ethical Issues in Community Pharmacy Practice
2. Contemporary Hospital Pharmacy Practice
3. Problem-Based Learning Models in Pharmacy Education
4. Establishment of a Poison Control Center
5. Impact of Clinical Pharmacy Services

**İsmail Üstel**

1. Entrepreneurship in Pharmacy Practice
2. Counterfeit, Falsified, Substandard Medicines
3. Pharmacist Prescribing Models
4. Competency Framework for Pharmacy Practice
5. Pharmacy Practice Innovation