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| ESRA KILAVUZResearcher Dr. E-mail Adress: ek895@drexel.eduPhone Number:+905068963934Adress: Niğde Ömer Halisdemir University Central Research Laboratory. Niğde/Turkey  |  |

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| **Education** |

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| **Doctor of Philosophy** 2016-2021 | Niğde Ömer Halisdemir University/ Chemistry (Physical chemistry)**Thesis Title:** Synthesıs, Characterızatıon, Investıgatıon Of Electrochemıcal And Antıbacterıal Propertıes Of Conductıng Polymer-Nanopartıcles, Nanocomposıte Fılms Contaınıng A New Type Of Bodıpy |
| **Master’s Degree**2009-2012 | Marmara University/ Chemistry (Organic chemistry)**Thesis Title:** Synthesis and Characterization of 7-Oxy-3- (4-Nitrophenyl) -2H-Chromen-2-one Substituted Phthalocyanine Compounds |
| **Bachelor’s Degree**2005-2009 | Çanakkale Onsekiz Mart University/Chemistry |

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| **Professional Appointment** |

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| Researcher-Lecturer2016- present | Niğde Ömer Halisdemir University Cental Research Laboratory |

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| **Projects Memberships** |

1. “BODIPY Based Conductive Nanocomposite Film Synthesis, Characterization and Examination of Electrochromic Properties with Cyclic Voltammetry Technique”, Scientific Research Supported by Higher Education Institutions Research Project, Researcher: KILAVUZ ESRA, Coordinator: TURAÇ ERSEN,, 21/02/2019 - 31/12/2020 (NATIONAL)

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| **Publications**  |

1. KILAVUZ ESRA, KAYA ISMET, TEMİZKAN KEVSER (2017). Synthesis, characterization and quantum yields of multichromic poly(azomethine)s containing carbazole unit. *Arabian Journal of Chemistry*, Doi: 10.1016/j.arabjc.2017.11.004
2. KILAVUZ ESRA ,KAYA ISMET (2015). Novel Multicolor Schiff Base Polymers Preparedvia Oxidative Polycondensation. *Journal Of Fluorescence*, 10895-15. Doi: 10.1007
3. KILAVUZ ESRA, ERSEN TURAÇ, SEDEF İLK, ERTUĞRUL ŞAHMETLİOĞLU (2020). Electropolymerizations of two novel EDOT‐BODIPY zinc oxide nanocomposites and evaluation of their in vitro antibacterial activities. *Polymers for Advanced Technologies*
DOI: 10.1002/pat.5157
4. KILAVUZ ESRA, TURAÇ ERSEN, SAHMETLIOGLU ERTUGRUL (2019). Electrochemical Synthesis and Characterization of ZnO Nanocomposite Copolymer Containing Fluorescent Feature Dye. *Cumhuriyet Science Journal*, 40(2), 433-439., Doi: 10.17776/csj.442729

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| **Papers Presented at International Scientific Conferences**  |

1. KILAVUZ ESRA, TURAÇ ERSEN, SAHMETLIOGLU ERTUGRUL (2019). In Vitro Evaluation of Antibacterial Activity of Two Novel Bodipy Dyes Against Staphylococcus aureus and Escherichia coli. 1.International Environment, Technology and Management Conference, 280-287. (Full Text Paper / Oral Presentation)
2. KILAVUZ ESRA, TURAÇ ERSEN, SAHMETLIOGLU ERTUGRUL (2019). Electrochemical synthesis and characterization of containing Bodipy conductive polymer composite film. Internatıonal Turkıc World Congress On Scıence And Engıneerıng (Full Text Paper / Oral Presentation)
3. KILAVUZ ESRA, TURAÇ ERSEN,SAHMETLIOGLU ERTUGRUL (2018). Electrochemical Synthesis and Characterization of a Novel Bodipy Based Nanocomposite Copolymer. International Trace Analysis Congress (Poster)

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| **Work Experiments And Sertificates** |

* AFM-Raman Instrument, Operator Training, Nigde Ömer Halisdemir University, 21.01.2018 -28.02.2020
* ICP-MS Instrument, Operator Training, Nigde Ömer Halisdemir University, 16.12.2018 20.12.2018
* Rheometre Instrument, Operator Training, Nigde Ömer Halisdemir University, 05.09.2018 -08.09.2018
* XRF Spectrometre, Operator Training, Nigde Ömer Halisdemir University,10.04.2016 -14.04.2016
* NMR Instrument, Operator Training, Çanakkale Onsekiz Mart University, 20.10.2014 -25.10.2015
* SEM-TEM Instrument, Operator Training, Çanakkale Onsekiz Mart University 03.06.2014 -10.06.2014
* FT-IR Microscope System Spectrometre, Operator Training, Nigde Ömer Halisdemir University, 26.09.2016
* Potentiostat / Galvanostat / Impedance Analyzer Instrument, Operator Training, Çanakkale Onsekiz Mart University, 02.09.2014
* LC-MS Operator Training, Çanakkale Onsekiz Mart University, 02.06.2014
* TGA-DSC Instrument, Çanakkale Onsekiz Mart University Polymer Research Lab.,
* Uv-Vis, FT-IR and Flourescence Spektrometre, Çanakkale Onsekiz Mart University Polymer Research Lab

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| Hobbies And Interests |

* Hiking in places and rhythms that change according to my mood
* Return to yourself and find stillness
* Visiting the ancient city and taking pictures
* Cooking