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SCIENTIFIC BACKGROUND:

2018 - Present Bilkent University, Ankara, Turkey. Post-Doc of Chemistry Department of Chemistry
<http://www.fen.bilkent.edu.tr/~cvchem>

2012 - 2018 Atatürk University, Erzurum, Turkey. PhD student of Physics Department of Physics, 2D materials

2008 – 2011 Erciyes University, Kayseri, Turkey. Master Student of Physics Department of Physics, Dependency of microstructure and microhardness on solidification processing parameters for directional solidified Pb-Bi alloys

2004 – 2008 Selçuk University, Konya, Turkey. Bachelor of Science Department of Physics

ACADEMIC PUBLICATIONS:

- The influence of the growth rate on the eutectic spacings, undercoolings and microhardness of directional solidified bismuth–lead eutectic alloy
Y. Koçak, S. Engin, U. Büyük, N. Maraşlı - current applied physics, 2013 – Elsevier
- Magnetron sputtered WS₂; optical and structural analysis,
Y Koçak, Y Akaltun and Emre Gür, Article in Journal of Physics Conference Series · April 2016
- Interfacial engineering of CuO nanorod/ZnO nanowire hybrid nanostructure photoanode in dye-sensitized solar cell B Kilic, S Turkdogan, A Astam, SS Baran, M Asgin, E Gur, Y Kocak
Journal of Nanoparticle Research 20 (1), 11

CONFERENCE PRESENTATIONS

- IPCAP 2016, Erzurum, Turkey (**Oral presentation**); Magnetron Sputtered WS₂; Optical and Structural Analysis Y. Koçak, Y Akaltun and Emre Gür
- YMF 2016 (Condensed Matter Physics) İzmir, Turkey, (**Poster presentation**), Surface, Interfacial and Optical Properties of Two-Dimensional WS₂ Thin Films
- NANOTR12 12th Gebze, Turkey, (**Oral presentation**) International Nanoscience and Nanotechnology Conference Magnetron Sputtered WS₂ Thin Films; surface, interface and optical analysis Yusuf Koçak and Emre Gür*
- Trends in Nanotechnology International Conference (TNT2017), Dresden, Germany, (**Oral presentation**) Magnetron Sputtered WS₂ Thin Films, Emre Gür Yusuf Koçak
- Trends in Nanotechnology International Conference (TNT2017), Dresden, Germany, (**Poster presentation**) CuO nanoparticle composite structures with carbonnanotubes Yusuf KOÇAK Ahmet Özmen Mehmet ERTUĞRUL Emre GÜR
- International Conference on Advanced Engineering Technologies, (ICADET'17), Bayburt, Turkey, (Oral presentation) Structural Characterization of Cu / MWCNT Composites, Yusuf KOÇAK, Ahmet ÖZMEN, Emre GÜR and Mehmet ERTUĞRUL
- 13th Nanoscience & Nanotechnology Conference, (NANOTR 13), Antalya, Turkey, (**Poster presentation**) Growth dynamics of WS₂ by RF magnetron sputtering, Yusuf Koçak, Emre Gür,

- 13th Nanoscience & Nanotechnology Conference, (NANOTR 13), Antalya, Turkey, (**Poster presentation**) MBE grown GaN Nanowires on Si (111) Substrate; Temperature Dependence, Ahmet Emre Kasapoğlu, Yusuf Koçak, Emre Gür, Pınar Doğan,

RESEARCH PROJECTS:

1. **2008-2010** SCIENTIFIC RESEARCH PROJECT (BAP); **Investigator**
2. **2014-2017** SCIENTIFIC RESEARCH PROJECT; **Investigator**, 2015/343
3. **2016-2018** TUBITAK 1001 RESEARCH PROJECT; **Investigator**, 315M239
4. **2018 -** ROKETSAN COMPANY RESEARCH PROJECT: **Investigator**