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Education:

1. Master (Physical Material Science), National technical university “Kharkiv Polytechnic Institute”, Kharkiv, Ukraine, 2013 - 2015.
2. Bachelor (Engineering Material Science), National technical university “Kharkiv Polytechnic Institute”, Kharkiv, Ukraine, 2009 - 2013.
3. Postgraduate study (Solid State Physics), B. Verkin Institute for Low Temperature Physics & Engineering National Academy of Sciences of Ukraine, Kharkiv, Ukraine, 2015 – 2018.

Professional Career:

1. Engineer, B. Verkin Institute for Low Temperature Physics & Engineering National Academy of Sciences of Ukraine, Kharkiv, Ukraine, 2013 – 2015.
2. Junior Reseacher, B. Verkin Institute for Low Temperature Physics & Engineering National Academy of Sciences of Ukraine, Kharkiv, Ukraine, since 2018.

Fields of Activity: Magneto elasticity; piezomagnetic and piezoelectric effects in solids, physics of magnetic phenomena; precision measurements of the elastic modules of single crystals.

Publications:

1. V.D. Fil, M.P. Kolodyazhnaya, G.A. Zvyagina, I.V. Bilych, K.R. Zhekov, Piezomagnetolectric effect in LiCoPO_4 , Phys. Rev. B 96 (18), 180407, 2017.
2. M.P. Kolodyazhnaya, G.A. Zvyagina, I.A. Gudim, I.V. Bilych, N.G. Burma, K.R. Zhekov, V.D. Fil, [Piezoelectric response in \$\text{SmFe}_3\(\text{BO}_3\)_4\$, a non-piezoactive configuration. The surface piezoelectric effect.](#), Low Temperature Physics 43 (8), 924-929, 2017.

3. M.P. Kolodyazhnaya, K.R. Zhekov, I.V. Bilych, G.A. Zvyagina, A.A. Zvyagin, [Reentrant low-temperature phase transition in an “orbital nematic”](#), Low Temperature Physics 43 (11), 1276-1282, 2017.
4. M.P. Kolodyazhnaya, G.A. Zvyagina, I.V. Bilych, K.R. Zhekov, N.F. Kharchenko, V.D. Fil, Is LiCoPO₄ a pyroelectric?, Low Temperature Physics 43 (10), 1240-1242, 2017
5. M.P. Kolodyazhnaya, G.A. Zvyagina, I.V. Bilych, K.P. Zhekov, N.G. Burma, V.D. Fil', I.A. Gudim Magnetocapacitance, magnetoelasticity, and magnetopiezoelectric effect in HoFe₃(BO₃)₄, Low Temperature Physics 44 (12), 1341-1347, 2018.