

1.	Name, surname	Zigmas Balevičius
2.	Age	37
3.	Education	Higher
4.	Scholastic Degree	PhD
5.	Scientific activities	Materials Engineering (08T)
6.	Workplace (specifying the duties and nature of work)	Vilnius Gediminas Technical University: <ul style="list-style-type: none"> Associate Professor at the Department of Computer Engineering (educational and scientific work)
7.	Master's Degree Courses	-
8.	The most significant scientific, methodological, and artistic works within the last 5 years (no more than 5 works)	<p>1.Z. Balevicius, I. Baleviciute, S.Tumenas, L. Tamosaitis, A. Stirke, A. Makaraviciute, A. Ramanaviciene, A.Ramanavicius, In situ study of ligand–receptor interaction by total internal reflection ellipsometry, <i>Thin Solid Films</i> 571 (2014) 744-748.</p> <p>2.Z. Balevicius, A. Makaraviciute, G.-J. Babonas, S. Tumenas, V. Bukauskas, A. Ramanaviciene, A. Ramanavicius, Study of optical anisotropy in thin molecular layers by total internal reflection ellipsometry, <i>Sens. Actuators B: Chem.</i> 181 (2013) 119-124.</p> <p>3.I.Baleviciute, Z. Balevicius, A. Makaraviciute, A. Ramanaviciene, A. Ramanavicius, Study of antibody/antigen binding kinetics by total internal reflection ellipsometry, <i>Biosensors and Bioelectronics</i> 39 (2013) 170–176.</p> <p>4.Z. Balevicius, A. Ramanaviciene, I. Baleviciute, A. Makaraviciute, L. Mikoliunaite, A. Ramanavicius, Evaluation of intact and fragmented antibody based immunosensors by total internal reflection ellipsometry, <i>Sens. Actuators B: Chem.</i> 160 (2011) 555-562.</p> <p>5.Z. Balevicius, R. Drevinskas, M. Dapkus, G.J. Babonas, A. Ramanaviciene, A. Ramanavicius Total internal reflection ellipsometry of metal-organic compounds structures modified with gold nanoparticles, <i>Thin Solid Films</i> Vol. 519, 9, (2011), 2959-2962.</p> <p>In total during career: 21 scientific publications.</p>
9.	Languages	English, Russian
10.	Additional information (membership in organizations, visits abroad, additional competences, etc.)	<p>Postdoctoral position in Vilnius University Faculty of Chemistry “Application of surface plasmon resonance method for analysis of biologically active compounds” Contract Nr. MOS-17. Supervisor prof. A. Ramanavičius. Project of Lithuanian Science Council 2009 04 16 – 2011 04 15.</p> <p>Reviewer of <i>Thin Solid Films</i> journal.</p> <p>Participation in projects:</p>

1. Project of Agency for Science, Innovation and Technology (MITA) Innovation voucher "Applied studies of Pharmaceutical use biologically active compounds interaction by spectroscopic ellipsometry method" Contract Nr.31V-43 (Supervisor - dr.Z.Balevičius) (2012 06 26 - 2012 12 03)
2. Project of Lithuanian Science Council "Research and Designing of Ion Meter of Micromolar Concentrations Detection" Students' practice of 2014. Contract No. SMP-3400-148/SMT 14P-025, student: R. Leščinskas, supervisor: Z. Balevičius;
3. Project of Lithuanian Science Council "Research and Designing of Design and Research of Smart Ionselective Electrode Electric Circuit. Students' practice of 2014. Contract No. SMP-3400-187/SMT 14R-053, student: R. Leščinskas, supervisor: Z. Balevičius;
4. Project of Lithuanian Science Council "Application of spectroscopic ellipsometry for study of yeast surface protein interaction" Students' practice of 2013. Contract No. SMT2013RA086, student: L. Tamošaitis, supervisor: Z. Balevičius;
5. Project of Lithuanian Science Council "Optical micro-prism application for spectroscopic ellipsometry" Students' practice of 2013. Contract No.SMP-3400-077/SMT, student: J. Vaicenavičius, supervisor: Z. Balevičius;

The most significant scientific presentations in international conferences:

Z. Balevičius, J. Babonas, S. Tumenas, A. Makaraviciute, A. Ramanaviciene, A. Ramanavicius Optical anisotropy in total internal reflection ellipsometry of thin molecular layers, *7-th Workshop Ellipsometry*, March 5-7, 2012, Leipzig, Germany. Poster nr. 13.

Ramanaviciene, J. Baniukevic, J. Kirlyte, A. Kausaite-Minkstimiene, **Z. Balevičius**, A. Makaraviciute, A. Ramanavicius, T. Romaskevicius, „SPR and QCM Based Sensors for Detection of Bovine Leukemia Virus Antigen“ PITTCON 2010, Orlando, US. Poster

A. Ramanavicius, A. Ramanaviciene, **Z. Balevičius**, I. Baleviciute, A. Kausaite, U. Bubniene „Surface Plasmon Resonance and Ellipsometry Biosensor for Direct Detection of Antibodies“ PITTCON 2010, Orlando, US. Poster

Z. Balevičius, R. Drevinskas, J. Babonas, A. Ramanaviciene, A. Ramanavicius „The contribution of gold nanoparticles in total internal reflection ellipsometry of metal-organic structures“ ICSE-5, 2010, Albany, US. Poster P-6

A. Reza, **Z. Balevičius**, R. Vaisnoras, G.J. Babonas, A. Ramanavicius „Studies of Optical Anisotropy in Opals by Normal Incidence Ellipsometry“ ICSE-5, 2010, Albany, US. Poster P-76

Z. Balevičius, G.J. Babonas, V. Vaicikauskas, A. Ramanavicius „Total internal reflection ellipsometry for biosensors“ Summer School on Plasmonics, Porquerolles, France, September 13-17, 2009.

Suchdolskis A., **Balevičius Z.**, Drevinskas R., Mikoliūnaitė L., Voronovič J., Ramanavičius A., Ramanavičienė A., AFM study of enzymatic formation of Au nanoparticles // 8th international electrochemistry meeting in Turkey : abstract book, October 8-11, 2009, Antalya, Turkey. Ankara : Ankara university, 2009, p. 244.

R.Petruskevicius, **Z.Balevičius**, D.Kezys A.Mockute, G.Seniutinas, R.Tomasiunas, D. Jucius, V. Grigaliunas, S.Tamulevicius, "Micro-patterned E-O polymer waveguide structures", COST MP0702 "Towards

		<p>functional sub-wavelength photonic structures” meeting, Warsaw, Poland, April 28-29, 2008, pp.58.Oral</p> <p>Z.Balevicius, R.Petruskevicius, V.Vaicikauskas, A.Reza, J.Babonas, "Ellipsometric spectra of opal photonic crystals", COST MP0702 "Towards functional sub-wavelength photonic structures", MC&WG meeting, Bratislava, Slovakia, October 26-28, 2008, pp. 40. Poster</p> <p>Balevičius, Z. Vaičikauskas, V.;; Ignatjev, I.; Valinčius, G. „Analysis of Thermomyces Lanuginosus lipase growth on octadecanethiol using surface plasmon resonance ellipsometry“, ICSE-4, Stockholm, Sweden, June 11-15, 2007 (Poster).</p> <p>Reza, A.; Tamasevičius, R.; Babonas, J.; Balevičius, Z.; Vaičikauskas, V.; Golubev, V.; and Kurdyukov, D. „Ellipsometric studies of opal crystals“, ICSE-4, Stockholm, Sweden, June 11-15, 2007 (Oral).</p>
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