Kaunas University of Technology
Department of Materials Engineering

Science, Studies and Industry of Textiles in EU and Lithuania: Analysis and Outlook

Наука, образование и текстильная промышленность в ЕС и в Литве: анализ и перспективы

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Industry

Stabilization with slight decreasing of Textile and Clothing industry in EU

Amount – around 150 billions Euros per year

Total decreasing at 2-3 % per year

Increasing of industry in Turkey till 7 % per year

Stabilisation of industry in EU + Turkey:
around 215 billions Euros per year

Industry

Leaders in EU:

Italy – 50 billions per year,

France – 23 billions per year,

Germany – 21 billions per year.

Turkey – 47 billions per year.

10 new EU countries – less than 20 billions per year.

Industry

Industry increases in:

Latvia,

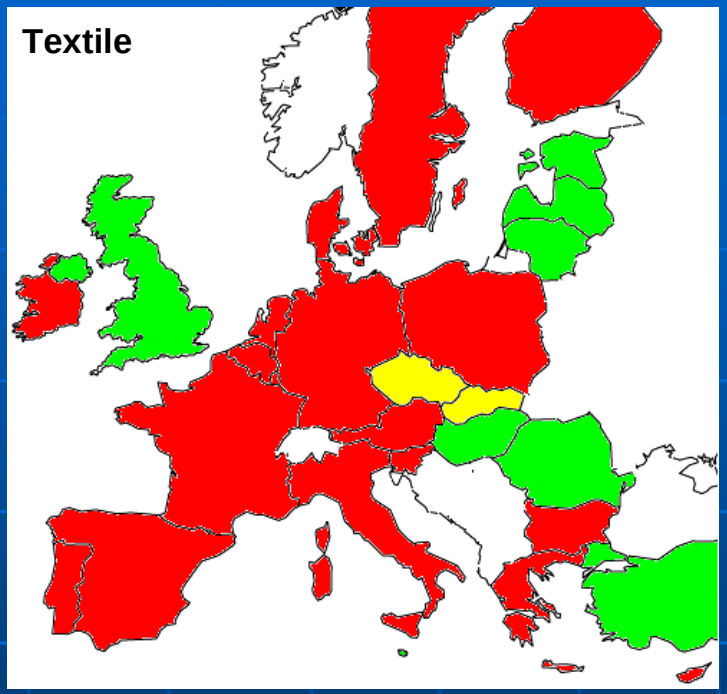
Lithuania,

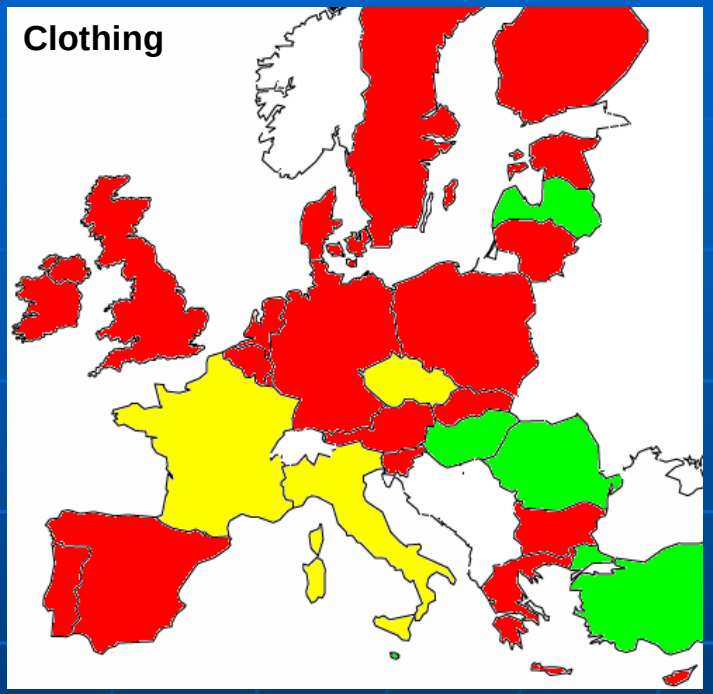
Hungary,

Romania,

Turkey.

Industry





The change of textile and clothing turnover in 2011–2012

– grew, – not varied (≤ ±1 %), – declined

Industry

Investment billions per year:

Italy – 0.9

France – 0.6

Germany – 0.5

Turkey – 2.5

Industry

Ratio between investment and turnover:

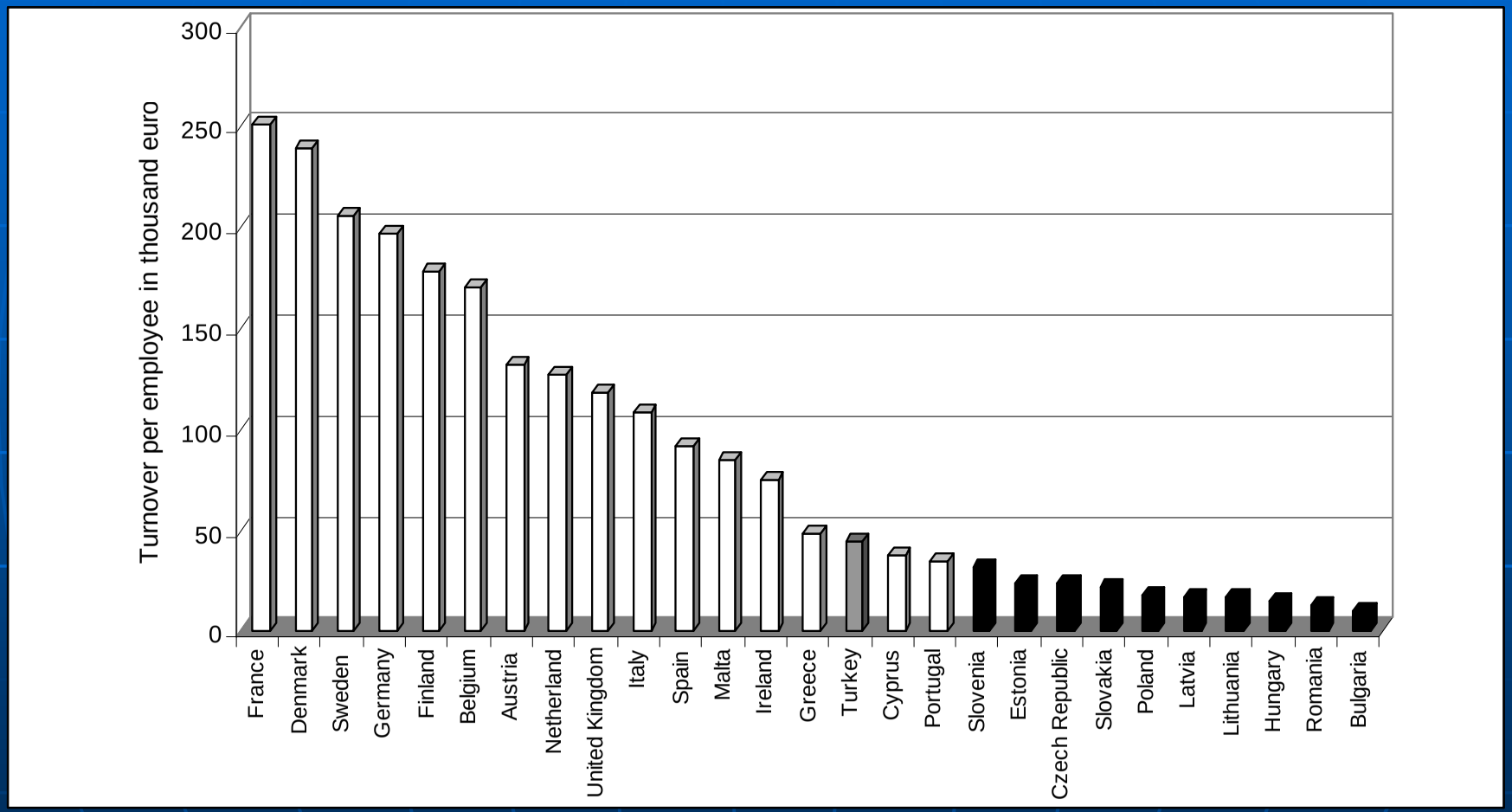
Slovakia, Czech Republic, Romania – 6 %

Turkey and Bulgaria – 5.5 %

Lithuania, Latvia, Poland – 4 %

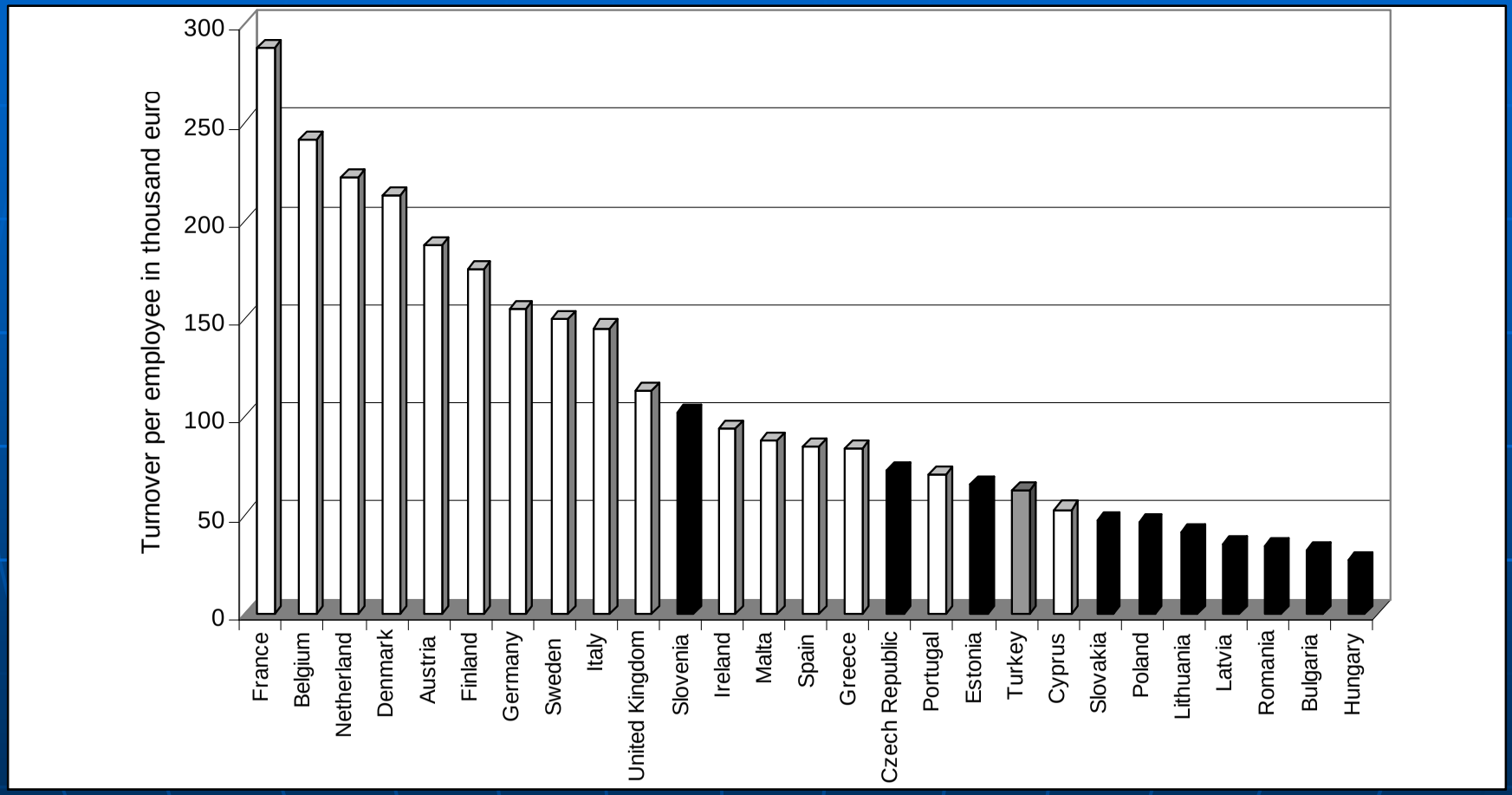
Italy, France, Germany – 2-2.5 %

Industry



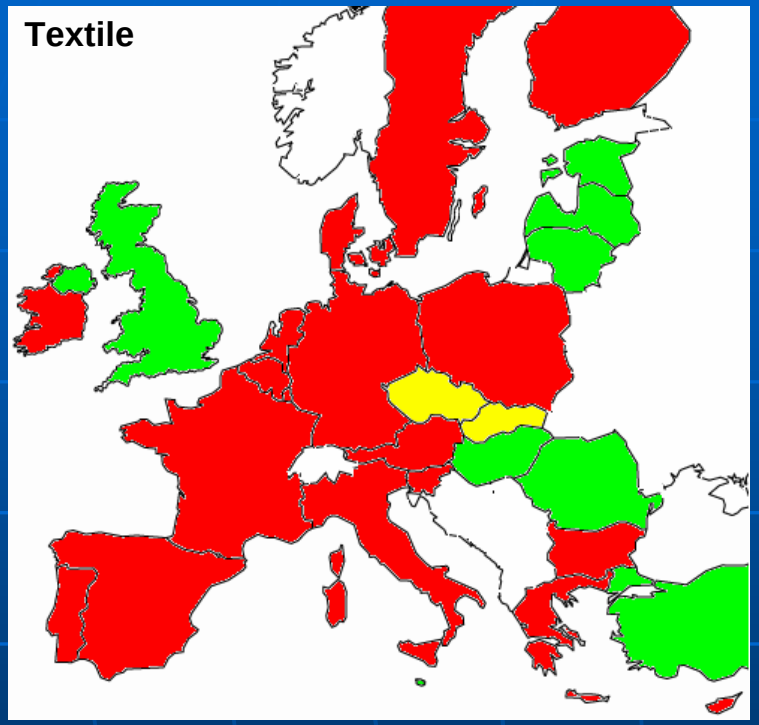
Clothing turnover per employee in 2012 in thousand euros

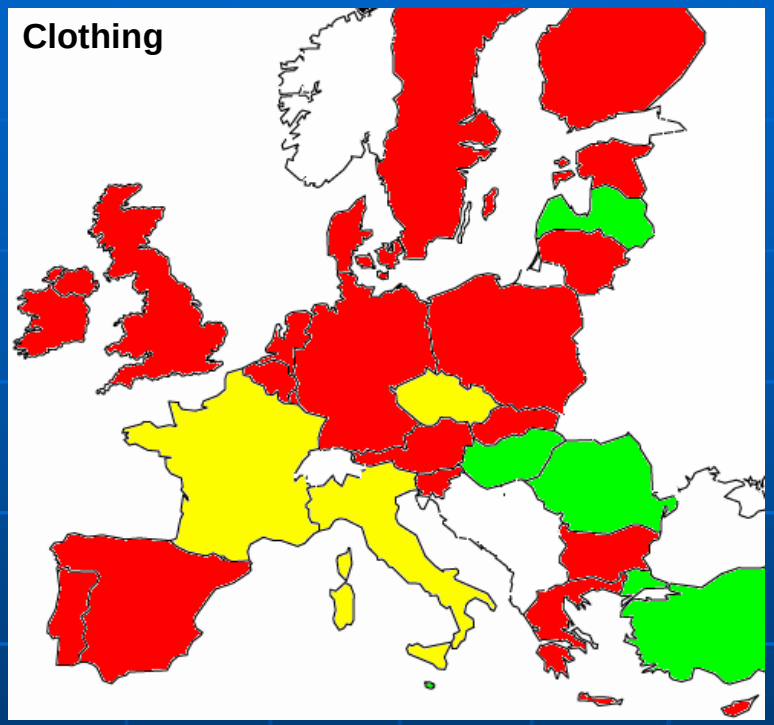
Industry



Textile turnover per employee in 2012 in thousand euros

Industry





The change of textile and clothing turnover per employee in 2011–2012
■ – grew, ■ – not varied (≤ ±1 %), ■ – declined

Studies

http://autex.ugent.be/index.asp

Studies

Universities with established international reputations in textile education and research

Founded in 1994

Currently 34 members from 28 countries

Current chairman : Prof. Dominique Adolphe, Université de Haute Alsace, France

Secretariat located at Ghent University, Department of Textiles, Belgium (Prof. Paul Kiekens)

Studies

E-Team European Masters Degree in Advanced Textile Engineering
http://autex.ugent.be/eteam/

E-TEAM - two-year Master programme in the field of textile engineering and science, organised as a full-time programme, lectured **in English**.
Universities offering textile education participate in the programme.

E-TEAM is organised at multiple locations: the international students move to a different university each semester.
Each lecturer passes on his or her specific knowledge in a course module covering one week.
Programme covers all modern areas related to textiles.
The last semester, each student chooses a university to write a thesis.

The programme is the ideal start to an international career!

Studies

Not popular textile engineering studies in EU :(
and much more popular studies in clothing design.

Very popular textile engineering studies in Turkey

Situation in Lithuania:

Only few students per year in textile engineering.

Demands from industry till 20 graduates per year

Science

International conference of AUTEX in each year

In 2015 will be in Bucharest

In 2016 in Ljubliana

More than 200 presentations in each conference

Science

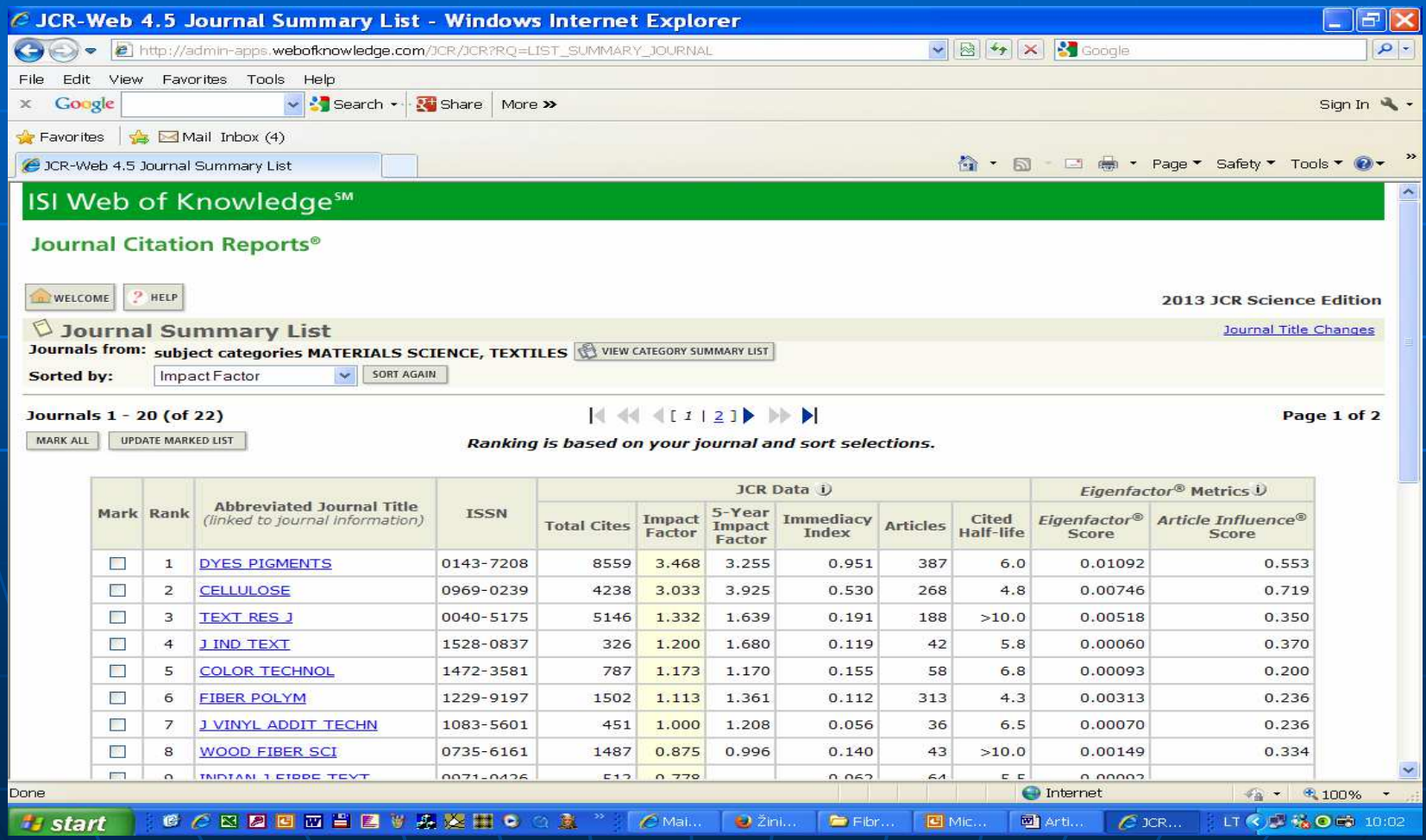
Evaluation of researchers

Journals on the list Web of Science with Impact Factor

WEB OF SCIENCE™ THOMSON REUTERS

Science

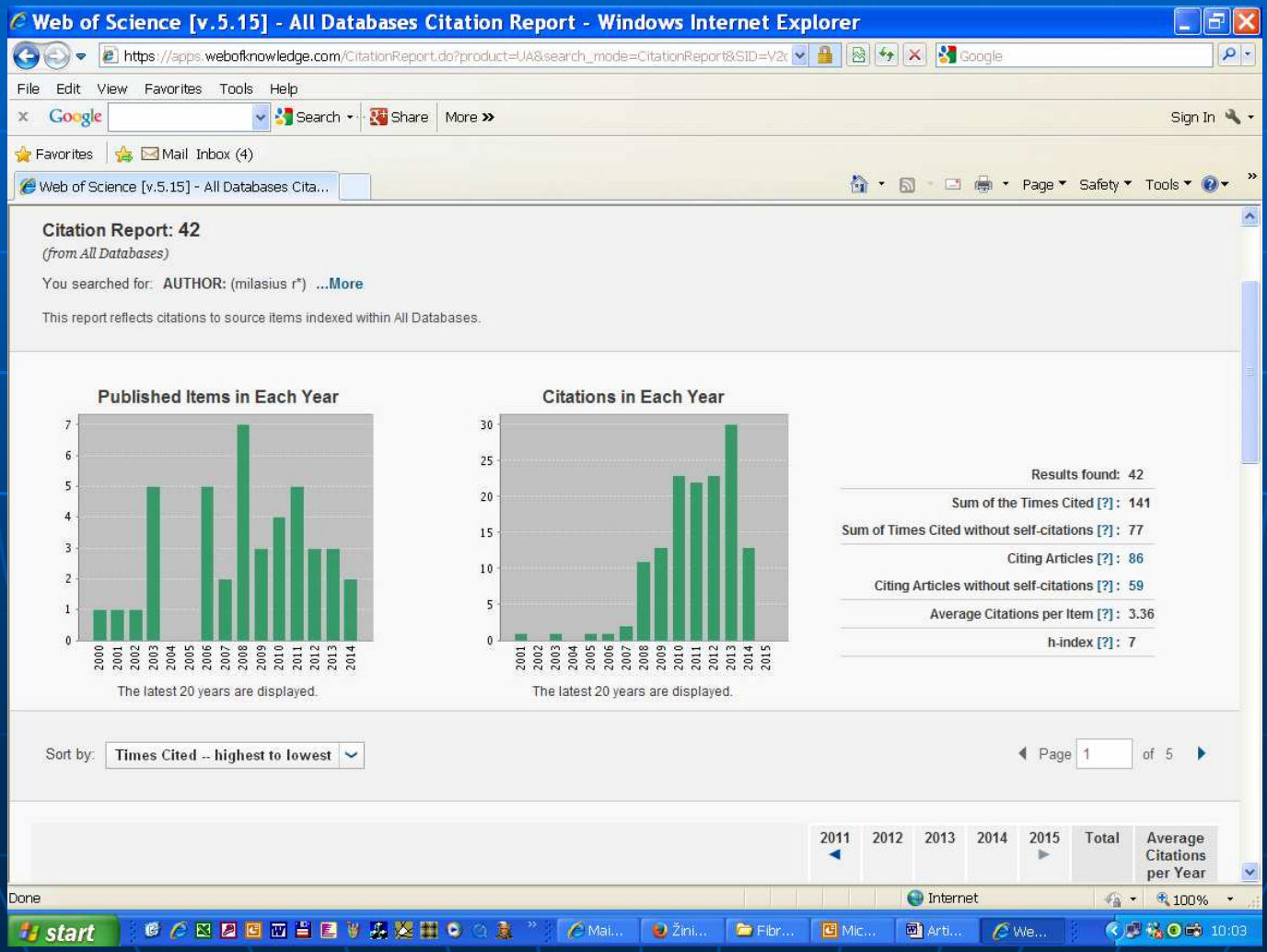
In textiles (Materials Science, Textile) – 22 journals



Mark	Rank	Abbreviated Journal Title (linked to journal information)	ISSN	JCR Data						Eigenfactor® Metrics	
				Total Cites	Impact Factor	5-Year Impact Factor	Immediacy Index	Articles	Cited Half-life	Eigenfactor® Score	Article Influence® Score
☐	1	DYES PIGMENTS	0143-7208	8559	3.468	3.255	0.951	387	6.0	0.01092	0.553
☐	2	CELLULOSE	0969-0239	4238	3.033	3.925	0.530	268	4.8	0.00746	0.719
☐	3	TEXT RES J	0040-5175	5146	1.332	1.639	0.191	188	>10.0	0.00518	0.350
☐	4	J IND TEXT	1528-0837	326	1.200	1.680	0.119	42	5.8	0.00060	0.370
☐	5	COLOR TECHNOL	1472-3581	787	1.173	1.170	0.155	58	6.8	0.00093	0.200
☐	6	FIBER POLYM	1229-9197	1502	1.113	1.361	0.112	313	4.3	0.00313	0.236
☐	7	J VINYL ADDIT TECHN	1083-5601	451	1.000	1.208	0.056	36	6.5	0.00070	0.236
☐	8	WOOD FIBER SCI	0735-6161	1487	0.875	0.996	0.140	43	>10.0	0.00149	0.334

Science

h-index of researcher – depend on number of citation



Science

Participation in projects:

7th Framework 2BFUNTEX in Functional textile

COST Action MP1105 Flame retardant textiles

COST Action MP1206 Electrospinning

TEMPUS project UNITE

Lithuania-Belarus project "Влияние состава нановолокнистых покрытий на функциональные свойства текстильных материалов"

Thank you for your attention!