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Teaduse informatsiooniline e-  
infrastruktuur: hetkeseis ja vajadused

ehk Miks sündis Estica projekti üleskutse?

Marika Meltsas

Elva, 2007

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# ESTICA pöördumine

- Teeme ettepaneku luua eesti teadustekstide ja kultuuri ühtne korrastatud veebikeskkond, kus tehakse kättesaadavaks eesti teaduse ja kultuuri tekstid
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# Põhjendus

- Eesti kultuuri- ja teadustekstide kättesaadavus ja levik halb
  - ISI Web of Science kui maailmateaduse elektroonilise kataloogi funktsioon ei ole esindada piisavalt rahvusteadusi
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- Eesti teadusveebi keskkond peaks olema avatud eesti teadlastele **rahvusvaheliselt retsenseeritud-toimetatud**, resümeeodega teadustekstide avaldamiseks ja kasutamiseks
  - Üks ühtne eesti teadusveeb koos eesti kultuuritekstide veebiga väärtustaks **eesti keelt haridus- ja teaduskeelena**.
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See on funktsionaalselt uus, uue printsiibiga keskkond.

Me muidugi teame, et mõned kogud on juba elektrooniliselt olemas.

Põhiküsimus on teaduse, teadustekstide üldises funktsioneerimises Eesti kultuuris ja teaduses: kas on kommunikatiivsust, kas on keskkonda, kas uued ideed on kiiresti kättesaadavad, kas need on aktualiseeritud.

Põhiidee on viia Eesti teaduselu normaalsele kaasaegsele tasemele, mida tehnika ju võimaldab, et see oleks keskkond (Maarja Lõhmus)

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## Toward a Geography of Personality Traits

Patterns of Profiles across 36 Cultures

Jüri Allik

University of Tartu

Robert R. McCrae

National Institute on Aging, NIH

It has long been believed that personality traits vary by geographical location, but few studies have examined the worldwide distribution of personality profiles. Using the five-factor model of personality—a comprehensive and apparently universal trait structure—we conducted secondary analyses of data from 36 cultures. Distance from the equator and mean temperature were not meaningfully related to personality factors. However, cluster analysis showed that geographically proximate cultures often have similar profiles, and multidimensional scaling showed a clear contrast of European and American cultures with Asian and African cultures. The former were higher in extraversion and openness to experience and lower in agreeableness. A second dimension reflected differences in psychological adjustment. Observed differences between cultures may be the result of differences in gene pools or in features of culture; acculturation studies and the analyses of other natural experiments are needed to understand the origins of geographical differences in personality traits.

**Key Words:** five-factor model • cluster analysis • multidimensional scaling

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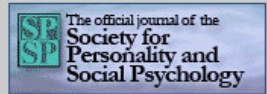
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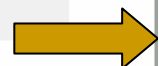
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### Degradation of lignins by wet oxidation: model water solutions; 132–144

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**Abstract.** Nowadays many paper industries are faced with the problem of wastewaters being badly biodegradable because of tannins, lignins, etc. Wet oxidation (WO) is an appropriate method for the destruction of very complex, multi-dimensional, and permanent compounds. This paper studies the WO of lignin water as a model case with the aim of degrading lignin and enhancing water biodegradability. The experiments were performed at various temperatures (110–190°C), partial oxygen pressures (0.5–1.5 MPa), and pH values (5, 9, and 12) in a batch stainless steel high pressure reactor. The experiments showed that increasing the temperature improved the processes efficiency. At the lowest temperature tested 75% lignin reduction was detected and a temperature increase improved the lignin removal to 100% at 190°C. The effect of temperature on the COD removal rate was lower, but detectable: 20% of organics was oxidized at 110°C, but 53% at 190°C. Oxygen partial pressure changes affected the process results modestly. Lignin removal increased by about 10% and COD removal by 4% with an oxygen partial pressure increase from 0.5 to 1.5 MPa. The effect of pH occurred mostly on lignin removal. Increasing the pH enhanced the lignin removal efficiency from 60% to nearly 100%. In all cases, a good biodegradability (BOD/COD ratio over 0.5) was achieved starting at a temperature of 150°C, pH 9, irrespective of the experimented pressures. The biodegradability (BOD/COD) of the remaining organic matter increased during WO and approached almost 1 at the highest temperature of 190°C.

**Key words:** lignin, wet oxidation, COD, biodegradability.

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# Uus kirjastamisplatvorm?

- *Näide ühtsest platvormist Ladina-Ameerikas – Scielo*
  - *<http://www.scielo.org>*
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# Avatud juurdepääs

- Juriidika

Vaadatakse üle autori /kirjastuse lepingud

- Majandusmudel

Diskussioon ajakirjade rahastajate, teaduse rahastajatega

Võimalik moratorium

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