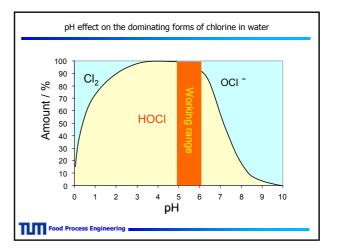
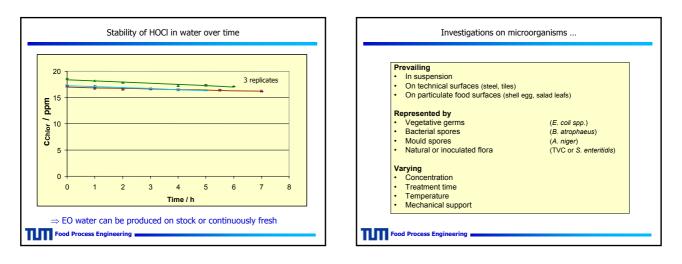
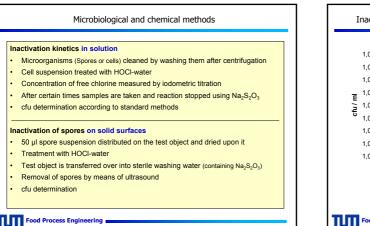


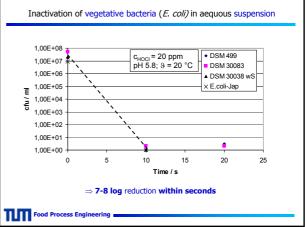
Continuous HOCI-generation system ("Purester®")		
Claimed Properties/Advantages:		
Simple procedure (on/off operation possible)		
- Desinfecting agent only consists of tap water and $\mbox{HOCl} \Rightarrow \mbox{no other}$ residues to be considered		
- pH in neutral or low acid range \Rightarrow low corrosive agressiveness		
No smell issues like with Cl ₂		
• Operating costs: $0.16 \in \text{per 1} \text{ m}^3$		
Disadvantage/(Advantage):		
- Chlorine reacts with oxidizable substances to form ${\rm CI}^{\rm -} \Rightarrow$ no further reactivity as a desinfection agent		

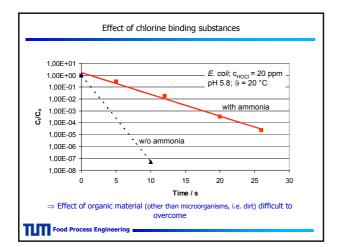


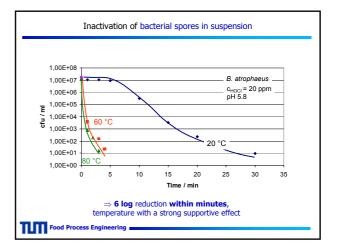
Food Process Engineering

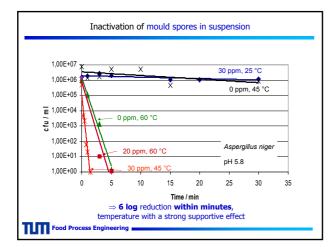


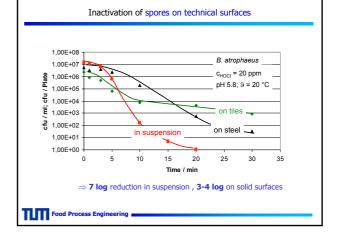


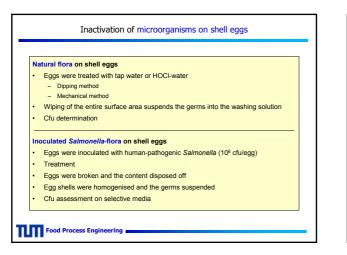


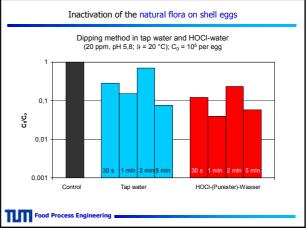


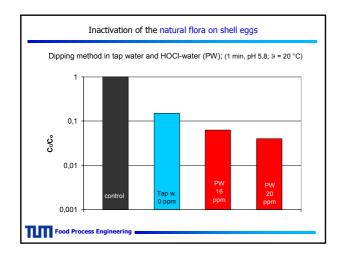


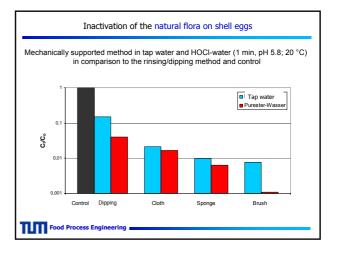


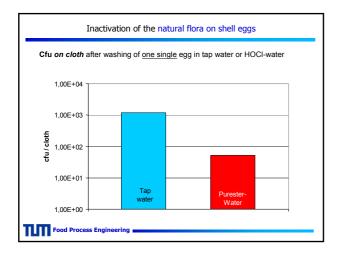


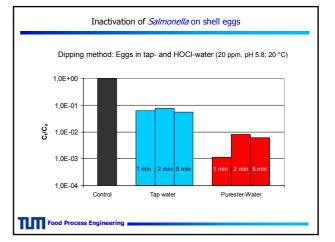


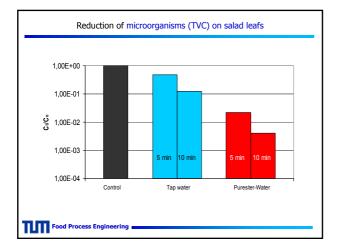


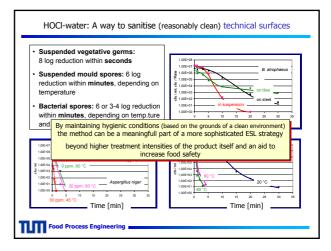












	HOCI-Water: An alternative way to sanitise particulate food surfaces and overall Conclusions
•	Salmonella/TVC: 2 log reduction within minutes
	 Egg surfaces + with differences between natural flora and inocculated test flora; + this possibly being an effect of surface load and + surface characteristics, depending on mechanical action + protective waxy layer as well as
•	+ natural variations in resistance/sensitivity against chemicals Methods is reported to work well in industrial practise: - Cheese forms
	Technical surfaces on steel plants, floor tiles and walls UF membrane units Particulate food in some countries
	Can be part of an alternative ESL strategy beyond higher treatment intensities of the product itself and an aid to increase food safety
Ш	Food Process Engineering

