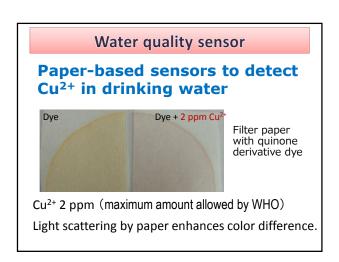
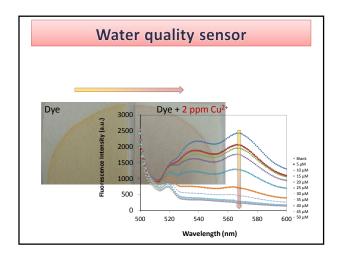


Biomaterial Science (2015 Schedule)		
#	Date	Content
1	10/6	History of papermaking
2	10/13	Pulps – Beating and fiber properties
3	10/20	Pulps – Additives and functions
4	10/27	Papermaking processes & interfiber bonding
5	11/10	Paper– Structural properties
6	11/17	Paper– Surface properties
7	11/24	Paper–Wetting and absorption properties
8	12/1	Paper- Mechanical and optical properties
9	12/8	Polysaccharide chemistry by Assoc Prof Akiko Nakagawa
10	12/15	Recent research of paper science and technology
11	12/22	Examination

Lecture information and contact Homepage of "Biomaterial Science (T. Enomae)" http://www.enomae.com/ → Handouts in lecture(講義資料) E-mail address → t@enomae.com for any questions and visit to laboratory (Bio-Agr. Bldg. 生農C209 or 総合A618)

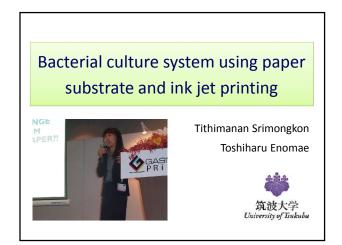


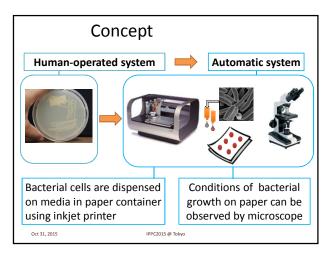


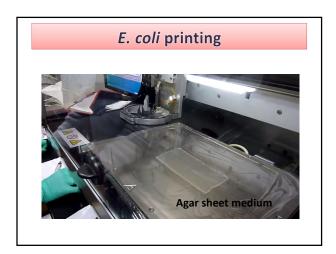
Paper-based power generator

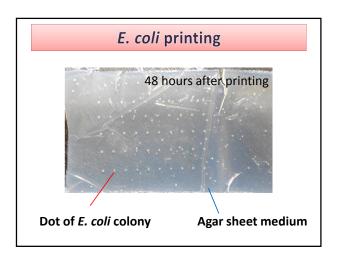
Paper-based water quality sensor

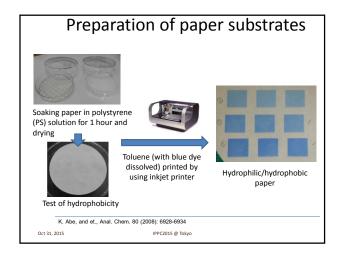
Paper-based bioassay

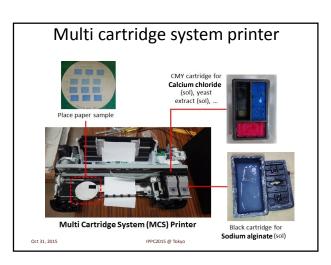


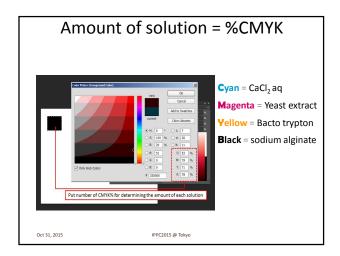


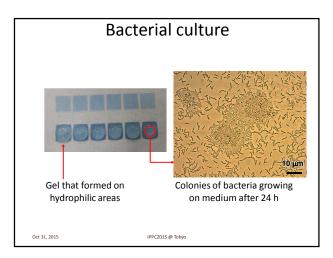










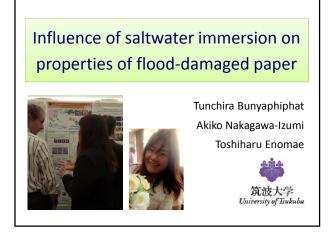


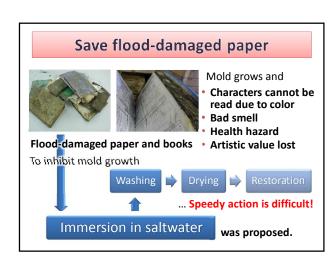
Conclusion

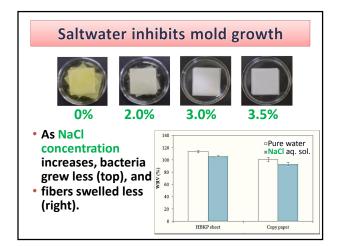
Hydrogel medium was successfully formed by reaction on semi-hydrophilic areas of filter paper with multi-cartridge ink-jet printer. The growth of bacteria was successfully observed with optical microscope.

Oct 31, 2015 IPPC2015 @ Tokyo

Thank you for your attention.









Thank you for attention.

Your questions are welcome. t@enomae.com