

## Curriculum Vitae

### Prof. Bo NYSTRÖM

|   |
|---|
| <b>Degrees:</b>   |
| 1980 Appointed "Docent" University of Uppsala, Sweden   |
| 1978 Fil.dr. University of Uppsala, Sweden  |
| 1972 Fil.mag. University of Uppsala, Sweden   |
| <b>Positions held:</b>  |
| 1987 - Professor, Department of Chemistry, University of Oslo   |
| 1982 – 1987 Assistant Professor, Department of Chemistry, University of Oslo  |
| 1980 – 1982 Research Assistant, Institute of Physical Chemistry, Uppsala University   |
| 1973 – 1980 Assistant, Institute of Physical Chemistry, Uppsala University  |
| <b>Publications:</b>  |
| Totally ca. 240 publications in peer-reviewed international journals  |
| <b>Membership in academic and professional committees:</b>  |
| Elected as a foreign member of The Norwegian Academy of Science and Letters<br>The Swedish Chemical Society; The Norwegian Chemical Society; The Swedish Polymer Society; European Polymer Federation; The Division of Polymer Chemistry, American Chemical Society ; New York Academy of Sciences ; Polymer Networks Group; Member of the international advisory committee for the Iranian Polymer Journal; Member of the American Nano Society. |
| <b>Supervision of students:</b>   |
| I have supervised about 40 master students and 15 PhD students. Most of my master students were employed in Norwegian industries and research institutes and some of the students took PhD at foreign universities. About 50 % of the PhD-students are in the industry and research institutes and the rest have continued with a scientific career.  |
| <b>Funding ID: Participate or leader of the following recent research projects:</b>   |
| - <i>Marie Curie Initial Training Networks (2012)</i> : “Soft, Small, and Smart: Design, Assembly, and Dynamics of Novel Nanoparticles for Novel Industrial Applications.<br>- <i>STATOIL-VISTA (2011)</i> : “Synthesis and characterization of novel nanoparticles for enhanced oil recovery applications; development of superabsorbent gels for absorbing oil spills”  |
| I have been referee for many international journals and I have been in evaluation committees for the Norwegian Research Council and acted as reviewer for international research councils such as National Science Foundation (USA) and the Academy of Science in Austria.  |
| <b>10-Year track-record</b>   |
| Prof. Bo Nyström has in total 240 publications in peer-reviewed journals.<br>Overall citations and <b>H-index</b> : 4519/36 (3688 citations without self-citations)   |
| <b>Invited and plenary presentations (a selection).</b>   |
| <ul style="list-style-type: none"><li>• Adsorption of Various Amphiphilic Polymers and Copolymers onto Planar and Curved Surfaces. Plenary lecture at the Polymer Processing Society Meeting, Iran, Kish 2011-11-15 - 2011-11-17.</li><li>• Interactions between polysaccharides and surfactants and other co-solutes. Invited lecture at the State Key Laboratory of Polymer Physics and Chemistry Institute of</li></ul>                        |

|  |
|--|
| <p>Chemistry Chinese Academy of Sciences Beijing, China; 2011-09-06 - 2011-09-06.</p> <ul style="list-style-type: none"> <li>• Novel structural changes during temperature-induced self-assembling and gelation of PLGA-PEG-PLGA triblock copolymer in aqueous solutions, International conference at the University of Twente, 2016.</li> <li>• Self-Assembled Structures of Polymers and Formation of Nanoparticles for Medical Applications, International Conference on Nanostructures, Kish Island, 2016, Iran.</li> <li>• Self-Assembled Structures of Polymers for Medical Applications, Self-Assembly in the World of Polymers, International conference in Prague, 2016.</li> </ul> |
| <p><b>Award</b><br/>Foreign Member, Norwegian Academy of Sciences, 2005</p>  |
| <p><b>Journal editorial board member</b></p> <ol style="list-style-type: none"> <li>1. Iranian Polymer Journal. Since 2008.</li> <li>2. Progress in Biomaterials, 2012.</li> </ol>   |

**Relevant articles:**

1. G. Griffiths, B. Nyström, S. B. Sable, and G. Khuller; *Nanobead-based interventions for treatment and prevention of tuberculosis*. Nature Reviews Microbiology 8, 827-834 (2010).
2. E. Dashtimoghadam, H. Mirzadeh, F. Afshar Taromi, and B. Nyström; *Microfluidic Self-Assembly of Polymeric Nanoparticles with Tunable Compactness for Controlled Drug Delivery*. Polymer 54, 4972-4979 (2013).
3. M. T. Calejo, S. A. Sande, and B. Nyström; *Thermoresponsive polymers as gene and drug delivery vectors: architecture and mechanism of action*. Expert Opinion on Drug Delivery 10, 1669-1686 (2013).
4. M. Cardoso, M.T. Calejo, C.M. Morais, A.L. Cardoso, K. Zhu, M.C. Pedroso de Lima, A.S. Jurado, and B. Nyström; *New siRNA delivery systems composed of thermoresponsive PNIPAAm-b-PAMPTMA diblock copolymers*, Molecular Pharmacy 11, 819-827 (2014).
5. J. Lyngsø, N. Al Manasir, M. A. Behrens, Kaizheng Zhu, Anna-Lena Kjøniksen, B. Nyström, and J. Skov Pedersen; *Small-angle X-ray scattering studies of thermo-responsive poly(N-isopropylacrylamide) star polymers in water*, Macromolecules 48, 2235-2243 (2015).