



ΕΚΤΑΚΤΗ ΟΜΙΛΙΑ

ΤΜΗΜΑΤΟΣ ΦΥΣΙΚΗΣ

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«p-Conjugated 1D and 2D Polymers»

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Βιβλιοθήκη - κτίριο Φ2 - 3^{ος} Όροφος

π -Conjugated 1D and 2D Polymers

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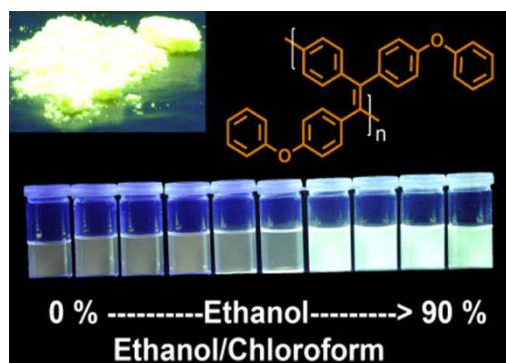


Figure 1:
AEE-active poly(*para*-phenylene-diphenylvinylene) derivative with solid state photoluminescence quantum yields near unity

The lecture presents some recent, synthesis-driven approaches from our synthetic polymer chemistry group on control and tuning of optical, electronic and morphological properties of π -conjugated (co)polymers. The examples involve: (i) novel conjugated ladder polymers,^{1,2} (ii) conjugated polymers with aggregation-enhanced emission (AEE) properties (see Figure 1),^{3,4} and (iii) conjugated polyelectrolytes (CPEs).⁵⁻¹¹

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