Ain Shams University
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Chemistry Department

Synthesis and Evaluation of Some Hydrophobically Modified Polyacrylamide Nanolatexes Using Novel Polymerizable Surfactants for Enhanced Oil Recovery

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El-Sayed Abd Al-Rahman El-Sayed El-Sharaky

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List of Abbreviations

Abbreviation	Meaning
HM-Ps	Hydrophobically Modified Polymers
IOR	Improved Oil Recovery
HEUR	Hydrophobically Ethoxylated Urethane
HASE	Hydrophobically Alkali Soluble or Swellable Emulsion
HM-HEC	Hydrophobically Modified Hydroxyethyl Cellulose
HM-PEO	Hydrophobically Modified Polyethylene Oxide
HM-PAA	Hydrophobically Modified Polyacrylic Acid
HM-PAM	Hydrophobically Modified Polyacrylamide
Surfmer	Polymerizable Surfactant
EOR	Enhanced Oil Recovery
LPGs	Liquefied Petroleum Gases
MEOR	Microbial Enhanced Oil Recovery
HPAM	Hydrolyzed Polyacrylamide
HEC	Hydroxyl Ethyl Cellulose
HAP	Hydrophobically Associating Polymer
CMC	Critical Micelle Concentration
ASA	Alkenyl Succinic Anhydride
PAM	Polyacrylamide
CAC	Critical Association Concentration

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