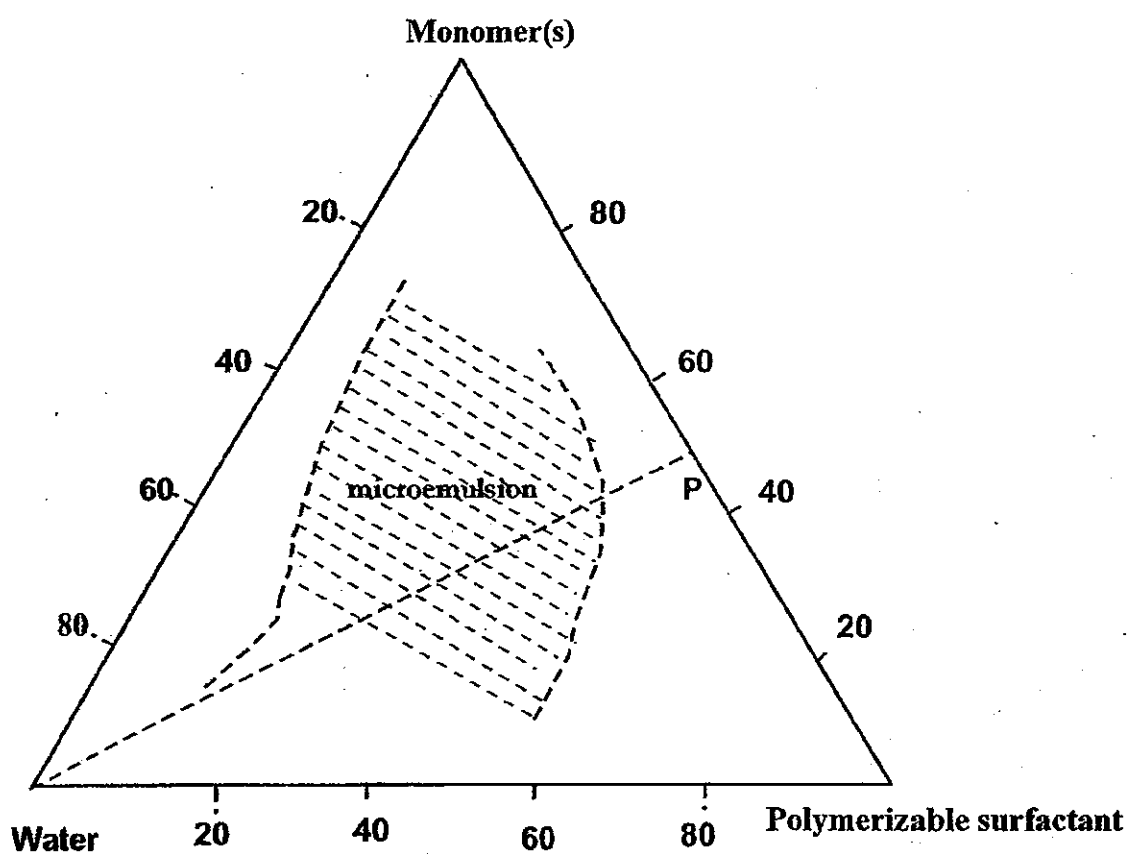
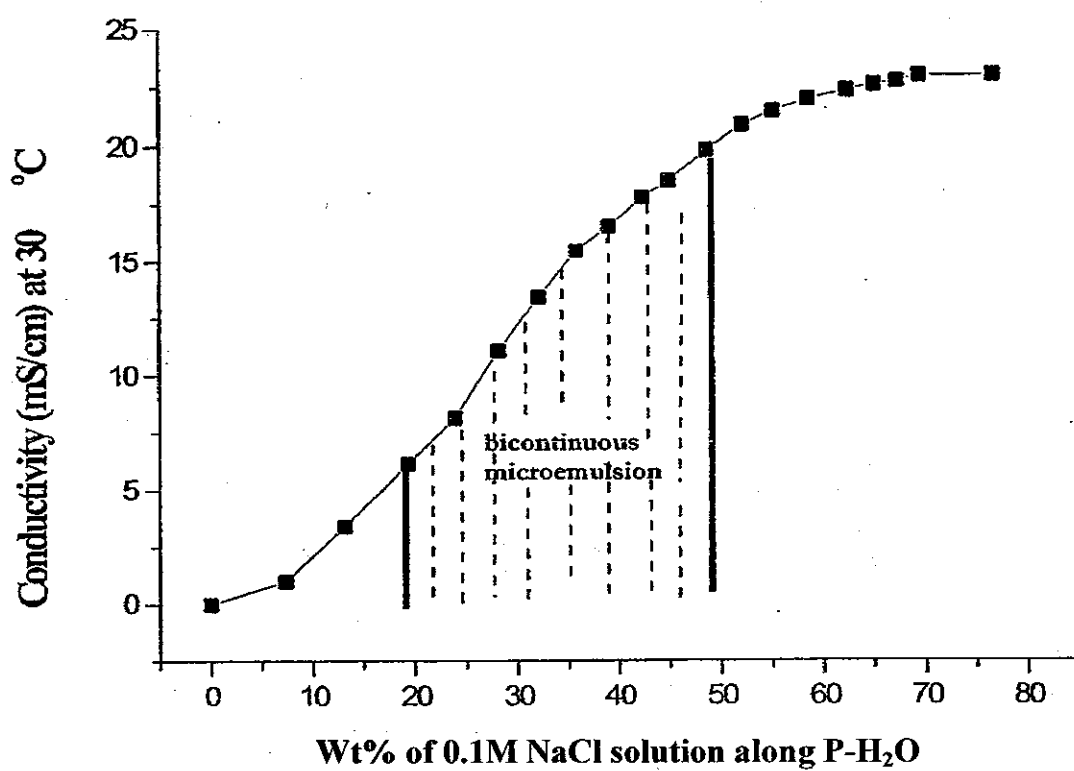


**Figure 1**

**Figure 2**

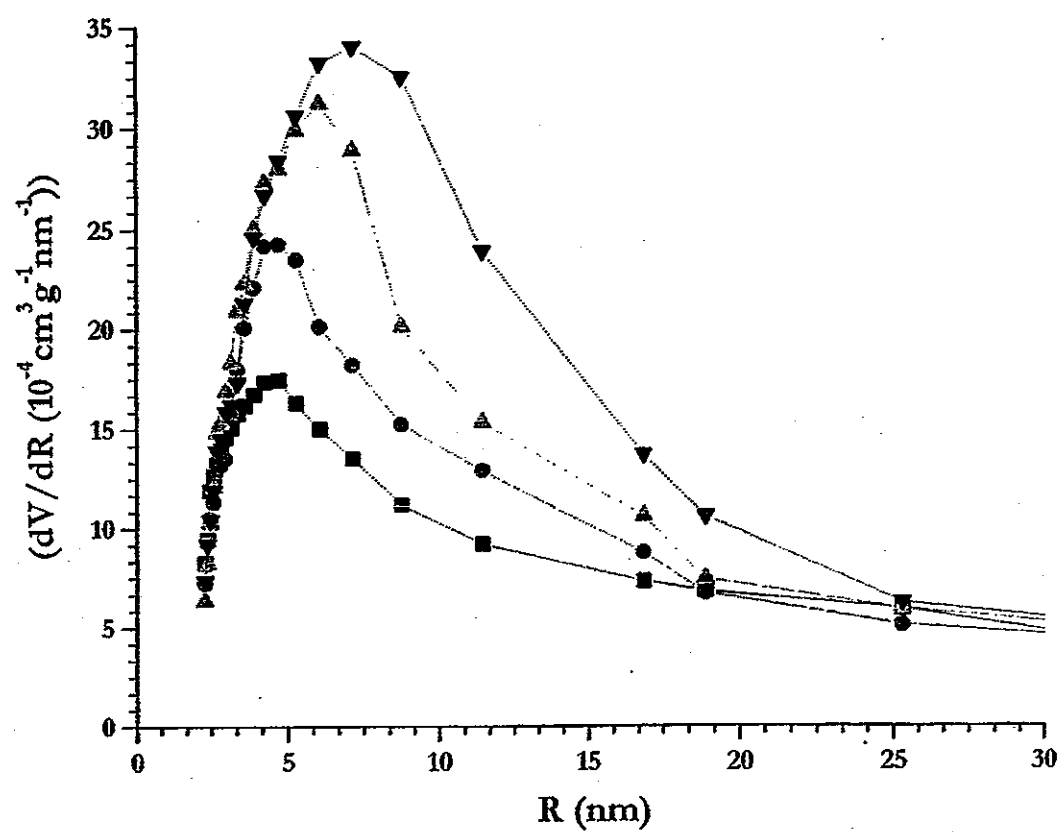


Figure 3

Samples	Composition (wt%) ^a				
	1	2	3	4	5
Water	26.0	20.0	20.0	20.0	20.0
AIPSA	28.0	29.0	20.0	20.0	30.0
AN	-	-	5.0	5.0	15.0
MMA	25.0	25.0	23.5	-	23.5
FMA	-	-	-	23.5	-
SPM	20.0	14.0	30.0	30.0	-
SPI	-	-	-	-	10.0
NAMAP	-	8.0	-	-	-
A174	-	3.0	-	-	-
MBAA	-	-	1.5	1.5	1.5
EGDMA	1.0	1.0	-	-	-
Ion Conductivity (S/cm) after treatment with 0.5M H ₂ SO ₄					
Plain membrane as synthesized	0.16				0.11

^a Polymerization by redox initiator : 30 mM APS/ 30 mM TMEDA at room temperature

Figure 4a

Samples	Composition (wt%) ^a				10
	6	7	8	9	
Water	25.0	26.0	26.0	25.0	25.0
APMPSA	29.0	-	-	-	-
AIPSA	-	29.0	29.0	29.0	-
MDSPA	-	-	-	2.0	-
MMA	20.0	30.0	27.0	29.0	30.0
SPM	14.0	14.0	14.0	14.0	-
SPI	-	-	-	-	15.0
NAMAP	8.0	-	-	-	-
A174	3.0	-	3.0	-	-
EGDMA	1.0	1.0	1.0	1.0	1.0
AUPSA	-	-	-	-	29.0
Ion Conductivity (S/cm) after treatment with 0.5M H ₂ SO ₄					
Plain membrane as synthesized	0.11	0.14			0.09

^a Polymerization by redox initiator : 30 mM APS/ 30 mM TMEDA at room temperature

Figure 4b

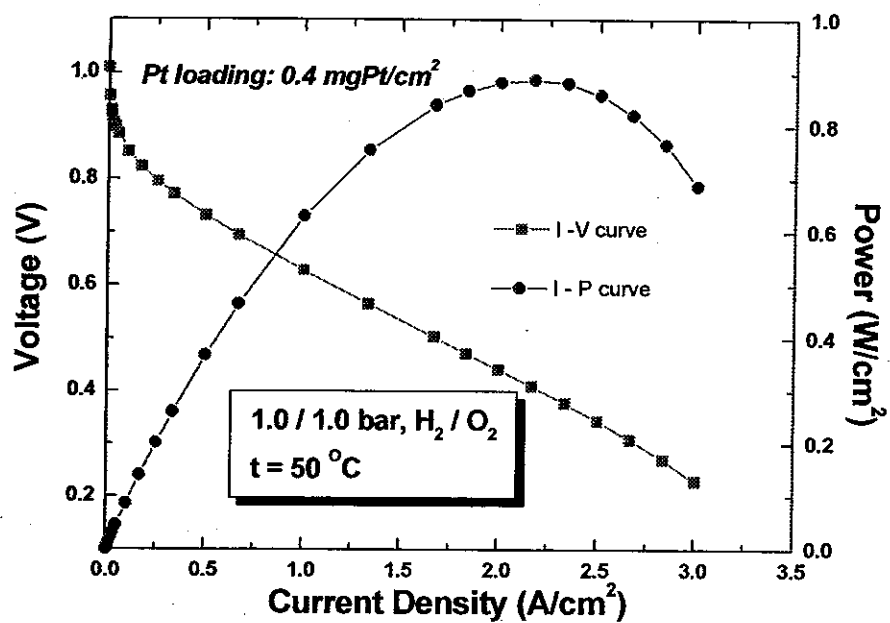


Figure 5