

BIBLIOGRAPHY

Chapter-I

- [1] U. M. Lindström (Ed.), *Organic Reactions in Water: Principles, Strategies and Applications*, Blackwell, Oxford, **2007**
- [2] S. Narayan, J. Muldoon, M. G. Finn, V. V. Fokin, H. C. Kolb, K. B. Sharpless, *Angew. Chem. Int. Ed.* **2005**, *44*, 3275–3279
- [3] X. Wu, J. Liu, X. Li, A. Zanotti-Gerosa, F. Hancock, D. Vinci, J. Ruan, J. Xiao, *Angew. Chem. Int. Ed.* **2006**, *45*, 6718–6722
- [4] Y. Jung, R. A. Marcus, *J. Am. Chem. Soc.* **2007**, *129*, 5492–5502.
- [5] B. Cornils, *Angew. Chem. Int. Ed.* **2003**, *42*, 2704–2705
- [6] C. M. Starks, C. I. Liotta, M. Halpern, *Phase Transfer Catalysis: Fundamentals, Applications and Industrial Perspectives*, Chapman and Hall, New York, **1994**
- [7] B. D. Anderson, K. P. Flora in *The Practice of Medicinal Chemistry* (Ed.: C. G. Wermuth) Academic Press, London, **1996**
- [8] C. L. Liotta, J. P. Hallett, P. Pollet, C. A. Eckert in *Organic Reactions in Water: Principles, Strategies and Applications* (Ed.: V. M. Lindström) Blackwell, Oxford, **2007**, pp. 256–300.
- [9] N. E. Leadbeater, M. Marco, *Org. Lett.* **2002**, *4*, 2973–2976
- [10] K. Holmberg, *Eur. J. Org. Chem.* **2007**, 731–742
- [11] T.P. Hoar, J.H. Schulman, *Nature* **1943**, *152*, 102–103.
- [12] J.H. Schulman, D.P. Riley, *J. Colloid Sci.* **1948**, *3*, 383–405.
- [13] J.E. Bowcott, J.H. Schulman, *Z. Electrochem.* **1955**, *59*, 283–290.
- [14] J.H. Schulman, J.A. Friend, *J. Colloid Sci.* **1949**, *4*, 497–509.
- [15] J.H. Schulman, W. Stoeckenius, L.M. Prince, *J. Phys. Chem.* **1959**, *63*, 1677–1680.
- [16] R. Leung, M. J. Hou, C. Manohar, D. O. Shah, P. W. Chun, D. O. Shah, *ACS Symp. Ser.* **1985**, *272*, 325
- [17] S. P. Moulik, B. K. Paul, *Adv. Colloid Interface Sci.*, **1998**, *78*, 99.
- [18] Y. Sottmann, R. Strey, S. H. Chen, *J. Chem. Phys.*, **1997**, *106*, 6483.
- [19] W. K. Kegel, H. N. W. Lekkerkerker, *Colloids Surf. A* **1993**, *761*, 241.
- [20] R. C. Nelson, In: D. O. Shah, Eds., *Surface Phenomena in Enhance Oil Recovery*, Plenum Press, New York, 1981.
- [21] B. K. Paul, S. P. Moulik, *Current. Science*, **2001**, *80*, 990.

- [22] C. Solans, H. Kunieda, Eds., *Industrial Applications of Microemulsions*, Marcel Dekker Inc., New York, 1997.
- [23] P. Kumar and K. L. Mittal, Eds., *Microemulsions in Science and Technology*, Marcel Dekker Inc., New York, 1999.
- [24] D. Attwood, In: J. Kreutr, Eds., *Colloid Drug Delivery Systems*, Marcel Dekker Inc., New York, 1994.
- [25] C.J. O'Coner, E.J. Fendler, J.H. Fendler, *J. Am. Chem. Soc.* **1973**, *95*, 600 – 602
- [26] F.M. Menger, J.A. Donohue, R.F. Williams, *J. Am. Chem. Soc.* **1973**, *95*, 286 – 288
- [27] A. Sanchez-Ferrer, F. Garcia-Carmona, *Enzyme Microb. Technol.* **1994**, *15*, 409
- [28] K. Holmberg, *Adv. Colloid Interface Sci.* **1994**, *51*, 137
- [29] H. Kunieda, K. Nakamura, D. F. Evans, *J. Am. Chem. Soc.* **1991**, *113*, 1051
- [30] P. Ghosh, B. Kar, S. Bardhan, K. Kundu, S. K. Saha, B. K. Paul, S. Das, *J. Surface Sci. Technol.* **2016**, *32*, 8–16.
- [31] R.K. Mitra, B.K. Paul, S.P. Moulik, *J. Colloid Interface Sci.* **2006**, *300*, 755
- [32] I. Mukherjee, S. Mukherjee, B. Naskar, S. Ghosh, S.P. Moulik, *J. Colloid Interface Sci.* **2013**, *395*, 135
- [33] M. Zhou, R.D. Rhue, *J. Colloid Interface Sci.* **2000**, *228*, 18.
- [34] E. Caponetti, A. Lizzio, R. Triolo, *Langmuir* **1990**, *6*, 1628
- [35] E. Caponetti, A. Lizzio, R. Triolo, W.L. Griffin, J.S. Johnson, *Langmuir* **1992**, *8*, 1554
- [36] S.R. Bisal, P.K. Bhattacharya, S.P. Moulik, *J. Phys. Chem.* **1990**, *94*, 350
- [37] W.K. Kegal, G.A. van Aken, M.N. Bouts, H.N.W. Lekkerkerker, J. Th.G. Overbeek, P.L. de Bruyn, *Langmuir* **1993**, *9*, 252.
- [38] R.K. Mitra, S.S. Sinha, P.K. Verma, S.K. Pal, *J. Phys. Chem. B* **2008**, *112*, 12946.
- [39] S.K. Mehta, G. Kaur, R. Mutneja, K.K. Bhasin, *J. Colloid Interface Sci.* **2009**, *338*, 542
- [40] M.M. Moohareb, R.M. Palepu, S.P. Moulik, *J. Disp. Sci. Technol.* **2006**, *27*, 1209
- [41] B.K. Paul, D. Nandy, *J. Colloid Interface Sci.* **2007**, *316*, 751
- [42] M. De, S.C. Bhattacharya, S.P. Moulik, A.K. Panda, *J. Surfact. Deterg.* **2010**, *13*, 475
- [43] K. Maiti, I. Chakraborty, S.C. Bhattacharya, A.K. Panda, S.P. Moulik, *J. Phys. Chem. B* **2007**, *111*, 14175
- [44] D. P. Acharya, P. G. Hartley, *Current Opinion in Colloid & Interface Science* **2012**, *17* 274–280
- [45] H.F. Eicke, M. Borkovec, B. Dasgupta, *J. Phys. Chem.* **1989**, *93*, 314.
- [46] N. Kallay, A. Chittofrati, *J. Phys. Chem.* **1990**, *94*, 4755
- [47] H.T. Davis, J.F. Bodet, L.E. Scriven, W.G. Miller, *Physica A* **1989**, *157*, 470

- [48] R. Ganguly, J.N. Sharma, N. Choudhury, *J. Colloid Interface Sci.* **2011**, 355, 458
- [49] M.A. Michaels, S. Sherwood, M. Kidwell, M.J. Allsbrook, S.A. Morrison, S.C. Rutan, E.E. Carpenter, *J. Colloid Interface Sci.* **2007**, 311, 70
- [50] X. Wang, X. Chen, S. Efrina, *J. Phys. Chem. B* **1999**, 103, 7238
- [51] X. Li, G. He, W. Zheng, G. Xiao, *Colloids Surf. A* **2010**, 360, 150
- [52] X. Zhang, Y. Chen, J. Liu, C. Zhao, H. Zhang, *J. Phys. Chem. B* **2012**, 116, 3723
- [53] C. M. L. Carvalho, M. R. Aires-Barros, J. M. S. Cabral, *Langmuir* **2000**, 16, 3082
- [54] G. Kaur, L. Chiappisi, S. Prevost, R. Schweins, M. Gradzielski, S.K. Mehta, *Langmuir* **2012**, 28, 10640
- [55] K.J. Mutch, J.S. Duijneveldt, J. Eastoe, I. Grillo, R.K. Heenan, *Langmuir* **2008**, 24, 3053
- [56] D.G. Hayes, M.H. Alkhatib, J.G. del Rio, V.S. Urban, *Colloids Surf. A* **2013**, 417, 99
- [57] M.A. Bolzinger, M.A. Thevenin, J.L. Grossiord, M.C. Poelman, *Langmuir* **1999**, 15, 2307
- [58] T.N. Zemb, I.S. Barnes, P.J. Derian, B.W. Ninham, *Prog. Colloid Polym. Sci.* **1990**, 81, 20
- [59] A. Kljajic, M.B. Rogac, S. Trost, R. Zupet, S. Pejovnik, *Colloids Surf. A* **2011**, 385, 249
- [60] S. Sharifi, M. Amirkhani, J.M. Asla, M.R. Mohammadi, O. Marti, *Soft Nanoscience Lett.* **2012**, 2, 8
- [61] R. Hilfiker, H.F. Eicke, W. Sager, U. Hofmeier, R. Gehrke, *Ber. Bunsenges Phys. Chem.* **1990**, 94, 677
- [62] R. Saha, S. Rakshit, R.K. Mitra, S.K. Pal *Langmuir* **2012**, 28, 8309
- [63] R. Pramanik, S. Sarkar, C. Ghatak, V.G. Rao, N. Sarkar, *Chem Phys Lett.* **2011**, 512, 217
- [64] D. Seth, A. Chakraborty, P. Setua, N. Sarkar, *J Phys Chem B* **2007**, 111, 4781.
- [65] J. R. Lakowicz, *Principles of Fluorescence Spectroscopy*; Plenum Press: New York, **1983**
- [66] E. Haustein, P. Schwille, *Annu Rev Biophys Biomol Struct.* **2007**, 36, 151
- [67] G.R. Burnett, G.D. Rees, D.C. Steytler, B.H. Robinson, *Colloids Surf A Physicochem Eng Asp.* **2004**, 250, 171
- [68] N. Zhou, Q. Li, J. Wu, J. Chen, S. Wang, G. Xu, *Langmuir* **2001**, 17, 4505
- [69] Q. Li, T. Li, J. Wu, N. Zhou, *J. Colloid Interface Sci.* **2000**, 229, 298.
- [70] J.J. Silber, A. Biasutti, E. Abuin, E. Lissi, *Adv. Colloid Interface Sci.* **1999**, 82, 189.
- [71] A. Das, A. Patra, R.K. Mitra, *J. Phys. Chem. B* **2013**, 117, 3593
- [72] R. Strey, *Colloid Polym. Sci.* **1994**, 272, 1005

- [73] Bellare, J.R., Haridas, M.M., Li, X.J; Characterization of microemulsions using Fast Freeze – Fracture and Cryo-Electron Microscopy In Handbook of Microemulsion, Science and Technology; Ed : Kumar, P., Mittal, K.L.; Marcel Dekker, Inc., New York, **1999**; 411-523
- [74] Jonsson, B. Lindman, K. Holmberg, B. Kronberg, *Surfactants and Polymers in Aqueous Solution*, Wiley, Chichester, **1998**.
- [75] M.A. Lopez-Quintela, C. Tojo, M.C. Blanco, L. Garcia Rio, J.R. Leis, *Current Opinion in Colloid & Interface Science* **2004**, *9*, 264–278
- [76] L. G.-Río, A. Godoy, P. R.-Dafonte, *Eur. J. Org. Chem.* **2006**, 3364–3371
- [77] B. K. Mishra, B. S. Valandikar, J. J. Kunjappu and C. J. Manohar, *Colloid Interface Sci.*, **1989**, *127*, 373
- [78] K. Holmberg, *Curr. Opin. Colloid and Interface Science*, **2003**, *8*, 187
- [79] Structure and Reactivity in Reversed Micelles, Ed. M.P. Pileni, Elsevier, Amsterdam, **1989**.
- [80] H.-C. Hung, T.-M. Huang, G.-G. Chang, *J. Chem. Soc., Perkin Trans.* **1997**, *2*, 2757
- [81] L. Mukherjee, N. Mitra, P. K. Bhattacharya, S. P. Moulik, *Langmuir*, **1995**, *11*, 2866
- [82] C. Izquierdo, J. Casado, A. Rodriguez and M. L.Moya, *Int. J. Chem. Kinet.*, **1922**, *19*, 24.
- [83] M. L. Moya, C. Izquierdo, J. J. Casado, *Phys. Chem.* **1991**, *95*, 6001
- [84] V. Vashchenko, A. Krivoshey, I. Knyazeva, A. Petrenko, J. W. Goodby, *Tetrahedron Letters* **2008**, *49*, 1445–1449
- [85] J.-Z. Jiang, C. Cai, *Journal of Dispersion Science and Technology* **2008**, *29*, 453–456.
- [86] R. F. Heck, J. P. Nolley, *J. Org. Chem.* **1972**, *37*, 2320–2322
- [87] J.-Z. Jiang, C. Cai, *Journal of Colloid and Interface Science* **2006**, *299*, 938–943
- [88] G. Zhang, H. Zhou, J. Hu, M. Liu, Y. Kuang, *Green Chem.* **2009**, *11*, 1428–1432
- [89] F. Gayet, C. E. Kalamouni, P. Lavedan, J.-D. Marty, A. Brulet, N. L.-de Viguerie, *Langmuir* **2009**, *25*, 9741–9750.
- [90] J.-Z. Jiang, C. Cai, *Colloids and Surfaces A: Physicochem. Eng. Aspects* **2006**, *287*, 212–216
- [91] J.-Z. Jiang, Y.-A. Wei, C. Cai, *Journal of Colloid and Interface Science* **2007**, *312*, 439–443
- [92] J. M-Brusco, S. Prevost, D. Lugo, M. Gradzielski, R. Schomacker, *New J. Chem.* **2009**, *33*, 1726–1735

- [93] J. B. F. N. Engberts, E. Fernandez, L. Garcia-Río, J. R. Leis *J. Org. Chem.* **2006**, *71*, 4111-4117
- [94] J. B. F. N. Engberts, E. Fernandez, L. Garcia-Río, and J. R. Leis *J. Org. Chem.* **2006**, *71*, 6118-6123
- [95] Huihong Lü, Xueqin An, Jianguo Yu, Xingfu Song, *J. Phys. Org. Chem.* **2012**, *25* 1210–1216
- [96] P. Blach, Z. Bostrom, S. F.-Messant, A. Lattes, E. Perez , I. Rico-Lattes, *Tetrahedron* **2010**, *66*, 7124-7128
- [97] L. García-Río, J. C. Mejuto, M. Pérez-Lorenzo, *J. Phys. Chem. B* 2006, **110**, 812.
- [98] L. García-Río, J. R. Leis, J. C. Mejuto, M. P-Lorenzo, *Pure Appl. Chem.* **2007**, *79*(6), 1111–1123.
- [99] J. J. Shrikhandea, P.A. Hassanb, R.V. Jayaram, *Colloids and Surfaces A: Physicochem. Eng. Aspects* **2010**, *370*, 64–71
- [100] P. R. Arivalagan, Y. Zhao, *Org. Biomol. Chem.* **2015**, *13*, 770–775
- [101] M. Hojo , R. Kato, A. Narutaki, T. Maeda, Y. U. Hojo , R. Kato, A. Narutaki, T. Maeda, Y. Uji-yie, *Journal of Molecular Liquids* **2011**, *163*, 161–169
- [102] J. Jiang , L. Dai , Z. Cui , L. Lu, Z. Cui, *Journal of Dispersion Science and Technology* **2014**, *35*, 524–527.
- [103] S. K. Mehta, K. Kaur, E. Arora, K. K. Bhasin. *J. Phys. Chem. B* **2009**, *113*, 10686–10692
- [104] V. Uskoković, M. Drogenik, *Advances in Colloid and Interface Science* **2007**, *133*, 23–34
- [105] R. McIntosh, D. Nicastro, D. Mastrorade, *Trends Cell Biol.* **2005**, *15*, 43–51.
- [106] T. Maruyama, T. Hosogi, M. Goto, *Chem. Commun.* **2007**, 4450–4452
- [107] S. Pramanik, S. Nagatoishia, N. Sugimoto, *Chem. Commun.* **2012**, *48*, 4815
- [108] A. Singh, K. Misra, *International journal of hydrogen energy* **2008**, *33*, 6100 – 6108.

Chapter-II

- [1] C. Patrascu, F. Gauffre, F. Nallet, R. Bordes, J. Oberdisse, N. de Lauth-Viguerie, C. Mingotaud, *Chem. Phys. Chem.* **2006**, *7*, 99-101.
- [2] F. Zhou, Y. Liang, W. Liu, *Chemical Society Reviews* **2009**, *38*, 2590-2599.
- [3] H. Tokuda, K. Hayamizu, K. Ishii, Md. A. B. H. Susan, M. Watanable, *J. Phys. Chem. B* **2005**, *109*, 6103–6110.

- [4] S. Gupta, A. Chatterjee, S. Das, B. Basu, B. Das, *J. Chem. Eng. Data* **2013**, 58, 1–6.
- [5] Y. Özkay, Y. Tunalı, H. Karaca, İ. Işıklıdağ, *European J. Medicinal Chem.* **2010**, 45, 3293-3298.
- [6] W. Kunz, T. Zemb, A. Harrar, *Curr. Opin. Colloid Interface Sci.* **2012**, 17, 205-211.
- [7] M. Andújar-Matalobos, L. García-Río, S. López-García, P. Rodríguez-Dafonte, *J. Colloid Interface Sci.* **2011**, 363, 261-267.
- [8] H. Lu, X. An, J. Yu, X. Song, *J. Phys. Org. Chem.* **2012**, 25, 1210-1216.
- [9] F. Gayet, C. E. Kalamouni, P. Lavedan, J-D. Marty, A. Brûlet, N. L-d. Viguerie, *Langmuir* **2009**, 25, 9741-9750.
- [10] Microemulsion-background, New Concepts, Applications, Perspectives, C. Stubenrauch (Eds.), *Blackwell*, Oxford, **2009**.
- [11] K. Kundu, G. Guin, B. K. Paul, *J. Colloid Interface Sci.* **2012**, 385, 96-110.
- [12] S. Bardhan, K. Kundu, S. K. Saha, B. K. Paul, *J. Colloid Interface Sci.* **2013**, 402, 180-189.
- [13] S. Bardhan, K. Kundu, B. K. Paul, S. K. Saha, *Colloid Surfaces A* **2013**, 433, 219-229.
- [14] F. Wang, Z. Zhang, D. Li, J. Yang, C. Chu, L. Xu, *J. Chem. Eng. Data*, **2011**, 56, 3328–3335.
- [15] X-F. Wu, P. Anbarasan, H. Neumann, M. Beller, *Angew. Chem. Int. Ed.* **2010**, 49, 9047 – 9050.
- [16] G. Zhang, H. Zhou, J. Hu, M. Liu, Y. Kuang, *Green Chem.* **2009**, 11, 1428-1432.
- [17] S. Paul, A. K. Panda, *Colloids and Surfaces A: Physicochem. Eng. Aspects* **2013**, 419, 113–124.
- [18] Z. Zhang, F. Wang, D. Li, J. Yang, *J. Disp. Sci. Technol.* **2012**, 33, 141-146.
- [19] I. Mukherjee, S. Mukherjee, B. Naskar, S. Ghosh, S. P. Moulik, *J. Colloid Interface Sci.* **2013**, 395, 135-144.
- [20] R. Zhang, L. Zhang, P. Somasundaran, *J. Colloid Interface Sci.* **2004**, 278, 453-460.
- [21] R.H Petrucci, F.G. Herring, J.D. Madura, C. Bissonette, *General Chemistry: Principles and Modern Applications*, 9th Edition, Upper Saddle River, N.J.: Pearson/Prentice Hall, **2007**
- [22] B.J. Shiau, D.A. Sabatini, J.H. Harwell, D.Q. Vu, *Env. Sci. Technol.* **1995**, 30, 97-103
- [23] J.L. Salager, E. Vasquez, J.C. Morgan, R.S. Schechter, W.H. Wade, *Soc. Pet. Eng. J.* **1979**, 19, 107-115

- [24] P.M. Holland, D.N. Rubingh, *J. Phys. Chem.* **1983**, *87*, 1984-1990
- [25] J.F. Rathman, J.F. Scamehorn, *Langmuir* **1987**, *3*, 372-377
- [26] K. Kawakami, T. Yoshikawa, Y. Moroto, E. Kanaoka, K. Takahashi, Y. Nishihara, K. Masuda, *J. Controlled Release* **2002**, *81*, 65-74
- [27] T. Inoue, K. Kawashima, Y. Miyagawa, *J. Colloid Interface Sci.* **2011**, *363*, 295-300
- [28] T. Inoue, Y. Iwasaki, *J. Colloid Interface Sci.* **2010**, *348*, 522-528
- [29] M. De, S. C. Bhattacharya, A. K. Panda, S.P. Moulik, *J. Disp. Sci. Technol.* **2009**, *30*, 1262-1272.
- [30] J. Łuczak, C. Jungnickel, M. Joskowska, J. Thöming, J. Hupka, *J. Colloid Interface Sci.* **2009**, *336*, 111-116.
- [31] S. Ray, S.P. Moulik, *J. Colloid Interface Sci.* **1995**, *173*, 28-33.
- [32] S. Ghosh, A.D. Burman, G.C. De, A.R. Das, *J. Phys. Chem. B* **2012**, *115*, 11098-11112.
- [33] K. Khougaz, Z. Gao, A. Eisenberg, *Langmuir* **1997**, *13*, 623-631.
- [34] B. Šarac, M. Bešter-Rogač, *J. Colloid Interface Sci.* **2009**, *338*, 216-221.
- [35] J. L. López-Fontán, A. González-Pérez, J. Costa, J. M. Ruso, G. Prieto, P. C. Schulz, F. Sarmiento, *J. Colloid Interface Sci.* **2006**, *297*, 10-21.
- [36] G. Liu, D. Gu, H. Liu, W. Ding, Z. Li, *J. Colloid Interface Sci.* **2011**, *358*, 521-526.
- [37] M. Tomsic, A. Jamnik, in *Microemulsions: Properties and Applications*, M. Fanun (Eds.), *Taylor and Francis*, CRC Press, USA, **2009**, 143-181.
- [38] S. Bardhan, K. Kundu, B. K Paul, S.K. Saha, *J. Colloid Interface Sci.* **2013**, *411*, 152-161.
- [39] S. K. Mehta, S. Chadhary, K. K. Bhasin, *J. Colloid Interface Sci.* **2008**, *321*, 426-433.
- [40] S. Perez-Casas, R. Castillo, M. Costas, *J. Phys. Chem. B* **1997**, *101*, 7043-7054.
- [41] P. Bauduin, D. Touraud, W. Kunz, *Langmuir* **2005**, *21*, 8138-8145.
- [42] Y. A. Gao, N. Li, L. Q. Zheng, X. T. Bai, L. Yu, X. Y. Zhao, J. Zhang, M. W. Zhao, Z. Li, *J. Phys. Chem. B* **2007**, *111*, 2506-2513.
- [43] L. Liu, P. Bauduin, T. Zemb, J. Eastoe, J. Hao, *Langmuir* **2009**, *25*, 2055-2059.
- [44] R. Leung, D. O. Shah, *J. Colloid Interface Sci.* **1987**, *120*, 330-334.
- [45] C-L. Chang, H. S. Fogler, *Langmuir* **1997**, *13*, 3295-3307.
- [46] D. Liu, J. Ma, H. Cheng, Z. Zhao, *Colloids Surf. A* **1998**, *135*, 157-164.
- [47] J.-B. Brubach, A. Mermet, A. Filabozzi, A. Gerschel, D. Lairez, M. P. Krafft, P. Roy, *J. Phys. Chem. B* **2001**, *105*, 430-435.

- [48] R. K. Mitra, S. S. Sinha, P. K. Verma, S. K. Pal, *J. Phys. Chem. B*, **2008**, *112*, 12946-12953.
- [49] S.S. Narayanan, S. S. Sinha, R. Sarkar, S.K. Pal, *Chemical Physics Lett.* **2008**, *452*, 99–104.
- [50] I. R. Piletic, D. E. Moilanen, D. B. Spry, N. E. Levinger, M. D. Fayer, *J. Phys. Chem. A* **2006**, *110*, 4985-4999.
- [51] J. Vicente, A. Arcas, *Coordination Chemistry Reviews* **2005**, *249*, 1135-1154.
- [52] S. Gupta, B. Basu, S. Das, *Tetrahedron* **2013**, *69*, 122-128
- [53] S-J. Sung, K-Y. Cho, H. Hah, J. Lee, H-K. Shim, J-K. Park, *Polymer* **2006**, *47*, 2314–2321.
- [54] N. Li, Q. Cao, Y. Gao, J. Zhang, L. Zheng, X. Bai, B. Dong, Z. Li, M. Zhao, L. Yu, *Chem. Phys. Chem.* **2007**, *8*, 2211 – 2217.
- [55] E. Abuin, E. Lissi, K. Olivares, *J. Colloid Interface Sci.* **2004**, *276*, 208-211.

Chapter-III

- [1] D. A. Horton, G. T. Bourne, M. L. Smythe, *Chem. Rev.* **2003**, *103*, 893-930.
- [2] K. J. Jr. Henry, J. Wasicak, A. S. Tasker, J. Cohen, P. Ewing, M. Mitten, J. J. Larsen, D. M. Kalvin, R. Swenson, S. C. Ng, B. Saeed, S. Cherian, H. Sham, S. H. Rosenberg, *J. Med. Chem.* **1999**, *42*, 4844-4852.
- [3] D. J. Augeri, D. Janowick, D. M. Kalvin, G. Sullivan, J. J. Larsen, D. Dickman, H. Ding, J. Cohen, J. Lee, R. Warner, P. Kovar, S. Cherian, B. Saeed, H. Zhang, S. Tahir, S. C. Ng, H. Sham, S. H. Rosenberg, *Bioorg. Med. Chem. Lett.* **1999**, *9*, 1069-1074.
- [4] C. Amatore, C. Cammoun, A. Jutand, *Eur. J. Org. Chem.* **2008**, 4567-4570.
- [5] A. Prastaro, P. Ceci, E. Chiancone, A. Boffi, G. Fabrizi, S. Cacchi, *Tetrahedron. Lett.* **2010**, *51*, 2550-2552.
- [6] H. Firouzabadi, N. Iranpoor, F. Kazemi, *J. Mol. Cat. A: Chem* **2011**, *348*, 94-99.
- [7] Z. Zhoua, M. Liua, X. Wua, H. Yub, G. Xua, Y. Xiea, *Appl. Organometal. Chem.* **2013**, *27*, 562-569.
- [8] S. Gupta, B. Basu, S. Das, *Tetrahedron* **2013**, *69*, 122-128.
- [9] S. Gupta, P. Ghosh, S. Dwivedi, S. Das, *RSC Adv.* **2014**, *4*, 6254-6260.
- [10] S. Dwivedi, S. Bardhan, P. Ghosh, S. Das, *RSC Adv.* **2014**, *4*, 41045-41050.
- [11] S. Gupta, B. Ganguly, S. Das, *RSC Adv.* **2014**, *4*, 41148-41151.

- [12] S. Carrettin, J. Guzman, A. Corma, *Angew.Chem. Int. Ed.* **2005**, *44*, 2242-2245.
- [13] L. Wang, W. Zhang, D.S. Su, X. Meng, F-S. Xiao, *Chem. commun.* **2012**, *48*, 5476-5478.
- [14] N. Kirai, Y. Yamamoto, *Eur. J. Org. Chem.* **2009**, 1864-1867.
- [15] B. Kaboudin, R. Mostafalua, T. Yokomatsub, *Green Chem.* **2013**, *15*, 2266-2274.
- [16] S. Pramanik, S. Nagatoishia, N. Sugimoto, *Chem. Commun.* **2012**, *48*, 4815-4817.
- [17] K. Bhattacharyya, B. Bagchi, *J. Phys. Chem. A.* **2000**, *104*, 10603-10613.
- [18] R. Biswas, S. K. Pal, *Chem. Phys. Lett.* **2004**, *387*, 221-226.
- [19] K. Holmberg, *Eur. J. Org. Chem.* **2007**, 731-742.
- [20] K. Holmberg, *Curr. Opin. Colloid Interface Sci.* **2003**, *8*, 187-196.
- [21] M. Hager, F. Currie, K. Holmberg, *Top Curr. Chem.* **2003**, *227*, 53-74.
- [22] B. Kar, S. Bardhan, K. Kundu, S. K. Saha, B. K. Paul, S. Das, *RSC Adv.* **2014**, *4*, 21000-21009.
- [23] X. Zhang, Y. Chen, J. Liu, C. Zhao, H. Zhang, *J. Phys. Chem. B.* **2012**, *116*, 3723-3734.
- [24] H.-F. Eicke, M. Borkovec, B. Das-Gupta, *J. Phys. Chem.* **1989**, *93*, 314-317.
- [25] N. Kallay, A. Chittofrati, *J. Phys. Chem.* **1990**, *94*, 4755-4756.
- [26] Q. Li, T. Li, J. Wu, *J. Phys. Chem. B.* **2000**, *104*, 9011-9016.
- [27] Q. Li, T. Li, J. Wu, *J. Colloid. Interface. Sci.* **2001**, *239*, 522-527.
- [28] P. Hanarp, D. S. Sutherland, J. Gold, B. Kasemo, *Colloids Surf. A.* **1999**, *160*, 23-36.
- [29] M. Dubois, Th. Zemb, *Langmuir* **1991**, *7*, 1352-1360
- [30] T.K. De, A. N. Maitra, *Adv. Colloid Interface Sci.* **1995**, *59*, 95-193.
- [31] A. Das, R. K. Mitra, *Colloid. Polym. Sci.* **2014**, *292*, 635-644.
- [32] K. M. Goncalves, I. I. Junior, V. Papadimitriou, M. Zoumpanioti, I. C. R. Leal, R. O. M. A. De Souza, Y. Cordeiro, A. Xenakis, *Langmuir* **2016**, *32*, 6746-6756.
- [33] S. Bardhan, K. Kundu, B. K. Paul, S. K. Saha, *Colloid Surf. A.* **2013**, *433*, 219-229.
- [34] S. Bardhan, K. Kundu, S. Saha, B.K. Paul, *J. Colloids. Interface. Sci.* **2013**, *411*, 152-161.
- [35] D. J. Mitchell, B.W. Ninham, *J. Chem. Soc. Faraday Trans. 2*, **1981**, *77*, 601.
- [36] D. F. Evans, B. W. Ninham, *J. Phys. Chem.* **1986**, *90*, 225-226.
- [37] M. Schick. *J. Nonionic surfactants: Physical chemistry*, Dekker, New York, **1987**, vol. 23.
- [38] D. Liu, J. Ma, H. Cheng, Z. Zhao, *Colloids Surf. A.* **1998**, *135*, 157-167.

- [39] S. Ghosh, C. Banerjee, S. Mandal, V. G. Rao, N. Sarkar, *J. Phys. Chem. B.* **2013**, *117*, 5886–5897.
- [40] S. Bardhan, K. Kund, S. Das, M. Poddar, S. K. Saha, B. K. Paul, *J. Colloids. Interface. Sci.* **2014**, *430*, 129-139.
- [41] T. K. Jain, M. Varshney, A. Maitra, *J. Phys. Chem.* **1989**, *93*, 7409-7416.
- [42] Y. Gao, N. Li, L. Zheng, X. Bai, L. Yu, X. Zhao, J. Zhang, M. Zhao, Z. Li, *J. Phys. Chem. B.* **2007**, *111*, 2506-2513.
- [43] Y. Gao, L. Hilfert, A. Voigt, K. Sundmacher, *J. Phys. Chem. B.* **2008**, *112*, 3711-3719.
- [44] A. J. Lock, H. J. Bakker, *J. Chem. Phys.* **2002**, *117*, 1708–1713.
- [45] S. A. Corcelli, J. L. Skinner, *J. Phys. Chem. A.* **2005**, *109*, 6154–6165.
- [46] A. Das, A. Patra, R. K. Mitra, *J. Phys. Chem. B.* **2013**, *117*, 3593–3602.
- [47] S. Bardhan, K. Kundu, S. Saha, B. K. Paul, *Colloids. Surf. A.* **2014**, *450*, 130-140.
- [48] R. K. Mitra, S. S. Sinha, P. K. Verma, S.K. Pal, *J. Phys. Chem. B.* **2008**, *112*, 12946-12953.
- [49] D. E. Moilanen, E. E. Fenn, D. Wong, M. D. Fayer, *J. Am. Chem. Soc.* **2009**, *131*, 8318–8328.
- [50] S. Bardhan, K. Kundu, B. Kar, G. Chakraborty, D. Ghosh, D. Sarkar, S. Das, S. Senapati, S. Saha, B.K. Paul, *RSC. Adv.* **2016**, *6*, 55104–55116.
- [51] I.S. Barnes, S. T. Hyde, B. W. Ninham, P. J. Derian, M. Drifford, Th. Zemb, *J. Phys. Chem.* **1988**, *92*, 2286-2293.
- [52] J. Eastoe, K. J. Hetherington, J.S. Dalton, D. Sharpe, J. R. Liu, R. K. Heenan, *J. Colloids. Interface. Sci.* **1997**, *190*, 449-455.
- [53] S.P. Moulik, K. Mukherjee, *Proc. Indian Natl. Sci. Acad.* **1996**, *62(3)*, 215-222.
- [54] D. Das, D. N. Nath, *J. Phys. Chem. B.* **2007**, *111*, 11009-11015.
- [55] C. Kumar, D. Balasubramanian, *J. Phys. Chem.* **1980**, *84*, 1895-1899.
- [56] J. Vicente, A. Arcas, *Coord. Chem. Rev.* **2005**, *249*, 1135–1154.
- [57] L. Mukhopadhyay, P. Bhattacharya, S. P. Moulik, *Colloids Surf.* **50** (1990) 295-308.
- [58] M. Tomsic, A. Jamnik, (Eds.: M. Fanun.), Taylor and Francis, CRC Press, USA. **(2009)** 143-181.
- [59] P. Bauduin, D. Touraud, W. Kunz, *Langmuir* **2005**, *21*, 8138-8145.
- [60] I. R. Piletic, D. E. Moilanen, D. B. Spry, N. E. Levinger, M. D. Fayer, *J. Phys. Chem. A.* **2006**, *111*, 4985-4999.
- [61] S. K. Mehta, K. Kaur, E. Arora, K. K. Bhasin, *J. Phys. Chem. B.* **2009**, *113*, 10686–10692.

- [62] J. S. Chen, K. K. Jespersen, J. G. Khinast, *J. Mol. Cat. A: Chem.* **2008**, 285, 14–19.
- [63] I. D. Kostas, F. J. Andreadaki, D. Kovala-Demertzi, C. Prentjas, M. A. Demertzis, *Tet. Lett.* **2005**, 46, 1967–1970.
- [64] X. Xu, D. Cheng, V. Pei, *J. Org. Chem.* **2006**, 71, 6637-6639.
- [65] P. Puthiaraj, P. Suresha, K. Pitchumani, *Green Chem.* **2014**, 16, 2865–2875.
- [66] T. Sone, Y. Abe, *Bull. Chem. Soc. Jpn.* **1973**, 48, 3603-3605.
- [67] A. Kar, N. Mangu, H. M. Kaiser, M. Beller, M. K. Tse, *Chem. Commun.* **2008**, 386-388.
- [68] K. Lee, P. H. Lee, *Tet. Lett.* **2008**, 49, 4302–4305.
- [69] V. Pandarus, G. Gingras, F. Beland, R. Ciriminna, M. Pagliaro, *Org. Process Res. Dev.* **2012**, 16, 117–122.
- [70] L. Xu, B. Yin, H. Huang, M. C. Liu, *Tetrahedron* **2016**, 72, 2065-2071.
- [71] S. Shi, Y. J. Zhang, *Org. Chem.* **2007**, 72, 5927-5930.
- [72] A. Schmidt, A. Rahimi, *Chem. Commun.* **2010**, 46, 2995-2997.
- [73] T. Mahamo, M. M. Mogorosi, J. R. Moss, S. F. Mapolie, J. Slootweg, K. Lammertsma, G. S. Smith, *J. Organomet. Chem.* **2012**, 703, 34-42.

Chapter-IV

- [1] D. Langevin, *Annu. Rev. Phys. Chem.* **1992**, 43, 341-369.
- [2] K. Holmberg, *Eur. J. Org. Chem.* **2007**, 731–742.
- [3] M.A. Lopez-Quintela, C. Tojo, M.C. Blanco, L. Garcia Rio, J.R. Leis, *Current Opinion in Colloid & Interface Science* **2004**, 9, 264-278.
- [4] S. E. Friberg, M. Podzimek, *Colloid Polym. Sci.* **1984**, 262, 252-253.
- [5] R. Dario Falcone, N. Mariano Correa, M. Alicia Biasutti, Juana J. Silber, *Langmuir* **2000**, 16 (7), 3070-3076.
- [6] K. P. Das, A. Ceglie, B. Lindman, *J. Phys. Chem.* **1987**, 91 (11), 2938-2946.
- [7] F. Yan, J. Texter, *Chem. Commun.* **2006**, 2696-2698.
- [8] M. Moniruzzaman, N. Kamiya, M. Goto, *Journal of Colloid and Interface Science* **2010**, 352, 136-142.
- [9] M. Moniruzzaman, M. Tamura, Y. Tahara, N. Kamiya, M. Goto, *International Journal of Pharmaceutics* **2010**, 400, 243-250.
- [10] X. Wang, J. Cheng, G. Ji, X. Peng, Z. Luo, *RSC Adv.* **2016**, 6, 4751-4757.
- [11] T. Welton, *Chem. Rev.* **1999**, 99 (8), 2071-2083.
- [12] J. P. Hallett, T. Welton, *Chem. Rev.* **2011**, 111 (5), 3508-3576.

- [13] T. Welton, *Coord. Chem. Rev.* **2004**, *248*, 2459-2477.
- [14] T. Welton, *Green Chem.* **2011**, *13* (2), 225.
- [15] B. Kar, S. Bardhan, K. Kundu, S. K. Saha, B. K. Paul, S. Das, *RSC Adv.* **2014**, *4*, 21000-21009.
- [16] A.S. Chhatre, R.A. Joshi, B.D. Kulkarni, *J. Colloid Interface Sci.* **1993**, *158*, 183-187.
- [17] M. Hojo, R. Kato, A. Narutaki, T. Maeda, Y. Uji-yie, *Journal of Molecular Liquids.* **2011**, *163*, 161-169.
- [18] F. Currie, K. Holmberg, G. Westman, *Colloids and Surfaces A: Physicochem. Eng. Aspects.* 2001, *182*, 321-327.
- [19] S. Gupta, A. Chatterjee, S. Das, B. Basu, *J. Chem. Eng. Data.* **2013**, *58*, 1-6.
- [20] S. Paul, A. K. Panda, *Colloids Surf. A.* **2013**, *419*, 113-124.
- [21] S. Paul, A. K. Panda, *RSC Adv.* **2014**, *4*, 32383-32390.
- [22] G. Palazzo, L. Carbone, G. Colafemmina, R. Angelico, A. Ceglie, M. Giustini, *Phys. Chem. Chem. Phys.* **2004**, *6*, 1423-1429.
- [23] S. P. Moulik, L. G. Digout, W. M. Aylward, R. Palepu, *Langmuir.* **2000**, *16*, 3101-3106.
- [24] O. Zheng, J-X. Zhao, X-M. Fu, *Langmuir.* **2006**, *22*, 3528-3532.
- [25] C. Petit, A. S. Bommarius, M-P. Pileni, T. A. Hatton, *J. Phys. Chem.* **1992**, *96*, 4653-4658.
- [26] K. Maiti, D. Mitra, R. N. Mitra, A. K. Panda, P. K. Das, A. K. Rakshit, S. P. Moulik, *J. Phys. Chem. B.* **2010**, *114*, 7499-7508.
- [27] S. K. Hait, S. P. Moulik, *Langmuir.* **2002**, *18*, 6736-6744.
- [28] B. K. Paul, D. Nandy, *J. Colloid Interface Sci.* **2007**, *316*, 751-761.
- [29] J. Chai, L. Xu, W. Liu, M. Zhu, *J. Chem. Eng. Data.* **2012**, *57*, 2394-2400.
- [30] F. Wang, Z. Zhang, D. Li, J. Yang, C. Chu, L. Xu, *J. Chem. Eng. Data.* **2011**, *56*, 3328-3335.
- [31] Z. Zhang, F. Wang, D. Li, J. Yang, *J. Dispersion Science and Technology.* **2012**, *33*, 141-146.
- [32] S. Ray, S. R. Bisal, S. P. Moulik, *Langmuir.* **1994**, *10*, 2507-2510.
- [33] S. Bardhan, K. Kundu, G. Chakraborty, S. K. Saha, B. K. Paul, *J. Surfact. Deterg.* **2015**, *18*, 547-567.
- [34] I. Mukherjee, S. Mukherjee, B. Naskar, S. Ghosh, S. P. Moulik, *Journal of Colloid and Interface Science.* **2013**, *395*, 135-144.
- [35] F. Wang, B. Fang, Z. Zhang, L. Qiao, Y. Chen, *J. Chem. Eng. Data.* **2008**, *53*, 1256-1261.

- [36] F. Wang, B. Fang, Z. Zhang, S. Zhang, Y. Chen, *Fuel*. **2008**, *87*, 2517-2522.
- [37] K. Kundu, S. Bardhan, S. Banerjee, G. Chakraborty, S. K. Saha, B. K. Paul, *Colloids and Surfaces A*. **2015**, *469*, 117-131.
- [38] M. A. Pes, K. Aramaki, N. Nakamura, H. Kunieda, *Journal of Colloid and Interface Science*. **1996**, *178*, 666-672.
- [39] K. Maiti, I. Chakraborty, S. C. Bhattacharya, A. K. Panda, S. P. Moulik, *J. Phys. Chem. B*. **2007**, *111*, 14175-14185.
- [40] O. Zech, S. Thomaier, P. Bauduin, T. Ruck, D. Touraud, W. Kunz, *J. Phys. Chem. B*. **2009**, *113*, 465-473.
- [41] D. Blach, J. J. Silber, N. M. Correa, R. D. Falcone, *Phys. Chem. Chem. Phys.* **2013**, *15*, 16746-16757.
- [42] D. D. Ferreyra, N. M. Correa, J. J. Silber, R. D. Falcone, *Phys. Chem. Chem. Phys.* **2012**, *14*, 3460-3470.
- [43] C. Rabe, J. Koetz, *Colloids and Surfaces A*. **2010**, *354*, 261-267.
- [44] O. Rojas, B. Tiersch, S. Frasca, U. Wollenberger, J. Koetz, *Colloids and Surfaces A*. **2010**, *369*, 82-87.
- [45] R. E. Riter, J. R. Kimmel, E. P. Undiks, N. E. Levinger, *J. Phys. Chem. B*. **1997**, *101*, 8292-8297.
- [46] S. Ghosh, *J. Colloid Interface Sci.* **2011**, *360*, 672-680.
- [47] J-L. Lemyre, S. Lamarre, A. Beaupre, A. M. Ritcey, *Langmuir* **2010**, *26(13)*, 10524-10531.
- [48] H. Preu, A. Zradba, S. Rast, W. Kunz, E. H. Hardy, M. D. Zeidler, *Phys. Chem. Chem. Phys.* **1999**, *1*, 3321-3329.
- [49] C. Tanford, *J. Phys. Chem.* **1972**, *76*, 3020-3024.
- [50] N. Haghazari, C. Karami, K. Ghodrati, F. Maleki, *Nano Lett.* **2011**, *1*, 30-33.

Chapter-V

- [1] P.M. Holland, D.N. Rubingh, Mixed Surfactant Systems: An Overview, *Vol. 501*, Ch. 1, *ACS Symposium Series*; American Chemical Society: Washington, DC, **1992**, pp 2-30.
- [2] R. Zana, Dynamics of Surfactant Self-Assemblies: Micelles, Microemulsions, Vesicles and Lyotropic Phases, CRC Press, Taylor & Francis Group, Boca Raton, **2005**.

- [3] D.N. Rubingh, M. Bauer, Lipase Catalysis of Reactions in Mixed Micelles, *ACS Symposium Series*, American Chemical Society: Washington, DC, **1992**, Vol. 501, Ch. 12, pp 210–226.
- [4] A. Shome, S. Roy, P. Das, *Langmuir* **2007**, 23, 4130-4136.
- [5] A. Das, R. K. Mitra, *J. Phys. Chem. B* **2014**, 118, 5488-5498.
- [6] J. Zhang, B. Han, J. Liu, X. Zhang, J. He, Z. Liu, T. Jiang, G. Yang, *Chem.-Eur. J.* **2002**, 8, 3879-3883.
- [7] J. Hao, Self-Assembled Structures: Properties and Applications in Solution and on Surfaces, CRC Press, Taylor & Francis Group, Boca Raton, **2010**.
- [8] N. Azum, M.A. Rub, A.M. Asiri, *J. Mol. Liq.* **2016**, 216, 94-98.
- [9] N. Azum, M.A. Rub, A.M. Asiri, H.M. Marwani, *J. Mol. Liq.* **2014**, 197, 339-345.
- [10] N. Azum, M.A. Rub, A.M. Asiri, *Colloids Surf. B* **2014**, 121, 158-164.
- [11] M.A. Rub, F. Khan, N. Azum, A.M. Asiri, H.M. Marwani, *J. Taiwan Ins. Chem. Eng.* **2016**, 60, 32-43.
- [12] N. Azum, M.A. Rub, A.M. Asiri, K.A. Alamry, H.M. Marwani, *J. Disp. Sci. Techn.* **2014**, 35, 358-363.
- [13] K. Ogino, M. Abe (Eds.), Mixed Surfactant Systems, Surfactant Science Series, vol. 46, Marcel Dekker, New York, **1993**.
- [14] D. Blankshtein, A. Shiloach, *Langmuir* **1998**, 14, 1618-1636.
- [15] F. D. Souza, B. S. Souza, D. W. Tondo, E. C. Leopoldino, H. D. Fiedler, F. Nome, *Langmuir* **2015**, 31, 3587-3595.
- [16] R. F. Heck, *J. Am. Chem. Soc.* **1968**, 90, 5526-5531.
- [17] R. F. Heck, *J. Am. Chem. Soc.* **1968**, 90, 5546-5548.
- [18] X.-F. Wu, P. Anbarasan, H. Neumann, M. Beller, *Angew. Chem. Int. Ed.*, **2010**, 49, 9047-9050.
- [19] J. G. deVries, A. H. M. de Vries, *Eur. J. Org.Chem.* **2003**, 2003, 799-811.

- [20] T. Dwars, E. Paetzold, G. Oehme, *Angew. Chem. Int. Ed.*, **2005**, *44*, 7174-7199.
- [21] J.-Z. Jiang, C. Cai, *J. Colloid Interface Sci.* **2006**, *299*, 938-943.
- [22] Y. Kasaka, B. Bibouche, I. Volovych, M. Schwarze, R. Schomäcker, *Colloids and Surfaces A*, **2016**, *494*, 49-58.
- [23] D. C. Crans, S. Schoeberl, E. Gaidamauskas, B. Baruah, D. A. Roess, *J. Biol. Inorg. Chem.* **2011**, *16*, 961-972.
- [24] J. Tang, Y. Wang, D. Wang, Y. Wang, Z. Xu, K. Racette, F. Liu, *Biomacromolecules* **2013**, *14*, 424-430.
- [25] Arkady L. Kholodenko, Jack F. Douglas, *Phys. Rev. E* **1995**, *51*, 1081-1090.
- [26] S.P. Moulik, L. Digout, W. Aylward, R. Palepu, *Langmuir* **2000**, *16*, 3101-3106.
- [27] R. K. Mahajan, R. Sharma, *J. Colloid Interface Sci.* **2011**, *363*, 275-283.
- [28] J. H. Clint, *J. Chem. Soc., Faraday Trans. 1* **1975**, *71*, 1327-1334.
- [29] D. N. Rubingh, in *Solution Chemistry of Surfactants*, (Ed.), K. L. Mittal, Plenum Press, New York, **1979**, *vol. 1*, pp. 337.
- [30] M.J. Rosen, X.Y. Hua, *J. Colloid Interface Sci.* **1982**, *86*, 164-172.
- [31] M.J. Rosen, *Surfactants and Interfacial Phenomena*, 2nd ed.; Wiley-Interscience: New York, **1989**; pp 65-68.
- [32] W.H. Ansari, N. Fatma, M. Panda, K. Ud-Din, *Soft Matter*, **2013**, *9*, 1478-1487
- [33] R. Sanan, R. Kaur, R. K. Mahajan, *RSC Adv.* **2014**, *4*, 64877-64889.
- [34] C.C. Ruiz, *Colloid Polym. Sci.* **1999**, *277*, 701-707.
- [35] T. Chakraborty, S. Ghosh, S.P. Moulik, *J. Phys. Chem. B* **2005**, *109*, 14813-14823.
- [36] M.J. Rosen, S. Aronson, *Coll. Surf.* **1981**, *3*, 201-208.
- [37] A. B. Pereiro, J.M.M. Araujo, F. S. Teixeira, I. M. Marrucho, M. M. Pineiro, L.P.N. Rebelo, *Langmuir* **2015**, *31*, 1283-1295.

- [38] A. V. Delgado, F. Gonzalez-Caballero, R. J. Hunter, L. K. Koopal, J. Lyklema, *Pure Appl. Chem.* **2005**, *77*, 1753-1805.
- [39] P.K. Misra, P. Somasundaran, *J. Surfact. Deterg.* **2004**, *7*, 373-378.
- [40] S.K. Mehta, S. Chaudhary, *Colloids Surf. B* **2011**, *83*, 139-147.
- [41] E. Odella, R. D. Falcone, J. J. Silber, N. M. Correa, *Phys. Chem. Chem. Phys.* **2014**, *16*, 15457-15468.
- [42] A. Pan, S.S. Mati, B. Naskar, S.C. Bhattacharya, S. P. Moulik, *J. Phys. Chem. B* **2013**, *117*, 7578-7592.
- [43] N. Cheng, P. Yu, T. Wang, X. Sheng, Y. Bi, Y. Gong, L. Yu, *J. Phys. Chem. B* **2014**, *118*, 2758-2768.
- [44] S. Khamarui, D. Sarkar, P. Pandit, D. K. Maiti, *Chem. Commun.*, **2011**, *47*, 12667-12669.
- [45] M. M. Shinde, S. S. Bhagwat, *J. Dispersion Sci. Tech.* **2012**, *33*, 117-122.
- [46] S. Bhattacharya, A. Srivastava, S. Sengupta, *Tetrahedron Letts.* **2005**, *46*, 3557-3560.
- [47] E. Palazzo, L. Carbone, G. Colafemmina, R. Angelico, A. Ceglie, M. Giustini, *Phys. Chem. Chem. Phys.* **2004**, *6*, 1423-1429.
- [48] J.E. Bowcott, J.H. Schulman, *Z. Elektrochem.* **1955**, *59*, 283-290.
- [49] B. K. Paul, D. Nandy, *J. Colloid Interface Sci.* **2007**, *316*, 751-761.
- [50] K. Kundu, B. K. Paul, *Colloid Polym. Sci.* **2013**, *291*, 613-632.
- [51] H. Preu, A. Zradba, S. Rast, W. Kunz, E. H. Hardy, M. D. Zeidler, *Phys. Chem. Chem. Phys.* **1999**, *1*, 3321-3329.
- [52] O. Zheng, J-X. Zhao, X.-M. Fu, *Langmuir* **2006**, *22*, 3528-3532.
- [53] L. Digout, K. Bren, R. Palepu, S. P. Moulik, *Colloid Polym. Sci.* **2001**, *279*, 655-663.
- [54] C. C. Villa, J. J. Silber, N. M. Correa, R. D. Falcone, *Chem. Phys. Chem.* **2014**, *15*, 3097-3109.

- [55] S.A. Corcelli, J.L. Skinner, *J. Phys. Chem. A* **2005**, *109*, 6154–6165.
- [56] H. Graener, G. Seifert, *J. Chem. Phys.* **1993**, *98*, 36–45.
- [57] Z.S. Nickolov, V. Paruchi, D.O. Shah, J.D. Miller, *Colloids Surf. A* **2004**, *232*, 93-99.
- [58] S.K. Mehta, G. Kaur, R. Mutneja, K.K. Bhasin, *J. Colloid Interface Sci.* **2009**, *338*, 542-549.
- [59] J.-B. Brubach, A. Mermet, A. Filabozzi, A. Gerschel, D. Lairez, M.P. Krafft, P. Roy, *J. Phys. Chem. B* **2001**, *105*, 430-435.
- [60] A. Das, A. Patra, R. K. Mitra, *J. Phys. Chem. B* **2013**, *117*, 3593-3602.
- [61] Q. Zhong, D.A. Steinhurst, E.E. Carpenter, J.C. Owrutsky, *Langmuir* **2002**, *18*, 7401-7408
- [62] S. Bardhan, K. Kundu, S. Das, M. Poddar, S.K. Saha, B.K. Paul, *J. Colloid Interface Sci.* **2014**, *430*, 129-139.
- [63] C. G.-Blanco, L.J. Rodriguez, M.M. Velazquez, *J. Colloid Interface Sci.* **1999**, *211*, 380-386.
- [64] S. Biswas, S.C. Bhattacharya, B.B. Bhowmik, S.P. Moulik, *J. Colloid Interface Sci.* **2001**, *244*, 145-153.
- [65] S. Chatterjee, R.K. Mitra, B.K. Paul, S.C. Bhattacharya, *J. Colloid Interface Sci.* **2006**, *298*, 935–941.
- [66] D. M. Willard, N. E. Levinger, *J. Phys. Chem. B* **2000**, *104*, 11075-11080.
- [67] P. Setua, C. Ghatak, V.G. Rao, S.K. Das, N. Sarkar, *J. Phys. Chem. B* **2012**, *116*, 3704-3712.
- [68] B. Kar, S. Bardhan, K. Kundu, S. K. Saha, B. K. Paul, S. Das, *RSC Adv.* **2014**, *4*, 21000-21009.
- [69] M. Hager, U. Olsson, K. Holmberg, *Langmuir* **2004**, *20*, 6107-6115.
- [70] N. Li, Q. Cao, Y. Gao, J. Zhang, L. Zheng, X. Bai, B. Dong, Z. Li, M. Zhao, L. Yu, *Chem. Phys. Chem.* **2007**, *8*, 2211-2217

- [71] H.U. Blaser, A. Indolese, A. Schnyder, H. Steiner, M. Studer, *J. Mole. Catal. A* **2001**, *173*, 3–18.
- [72] M.A. Haque, T. Kurokawa, J.P. Gong, *Soft Matter* **2012**, *8*, 8008
- [73] A.M. Alkilany, P.K. Nagaria, M.D. Wyatt, C.J. Murphy, *Langmuir* **2010**, *26*, 9328.
- [74] B. H. Lipshutz, B. R. Taft, *Org. Lett.* **2008**, *10*, 1329-1332.
- [75] A. L. Compere, W. L. Griffith, and J. S. Johnson, Jr., E. Caponetti, D. Chillura-Martino, and R. Triolo, *J. Phys. Chem. B* **1997**, *101*, 7139-7146.
- [76] P. López-Cornejo, P. Pérez, F. García, R. De la Vega, F. Sánchez, *J. Am. Chem. Soc.* **2002**, *124*, 5154-5164.
- [77] W. Zhang, X. Qiao, J. Chen, *Colloid Surface A.* **2007**, *299*, 22-28.
- [78] G. N. Smitha, P. Browna, C. James, S. E. Rogers, J. Eastoe, *Colloids and Surfaces A* **2016**, *494*, 194-200.
- [79] D. T. McQuade, P. H. Seeberger, *J. Org. Chem.* **2013**, *78*, 6384–6389.
- [80] F. Lopez, G. Cinelli, L. Ambrosone, G. Colafemmina, A. Ceglie, G. Palazzo, *Colloids Surf. A* **2004**, *237*, 49-59.
- [81] K. Holmberg, *Eur. J. Org. Chem.* **2007**, 731–742.