

- [33] B. Isik, F. Cakar, O. Cankurtaran and H. Cankurtaran, Liquid crystal entrapped porous films for ammonia sensing and determination of surface properties of liquid crystal molecule, *ChemistrySelect* **6**(26), 6740-6747 (2021).
- [34] A. T. James and A. J. P. Martin, Gas-liquid partition chromatography: the separation and micro-estimation of volatile fatty acids from formic acid to dodecanoic acid, *Biochemical Journal* **50**(5), 679-690 (1952).
- [35] A. C. Adiguzel, B. Korkmaz, F. Cakar, O. Cankurtaran and B. F. Senkal, Investigation of the surface properties of dibutyl amine modified poly(styrene) based polymer by inverse gas chromatography method, *Journal of Polymer Research* **28**(3), 83 (2021).
- [36] G. M. Dorris and D. G. Gray, Adsorption of n-alkanes at zero surface coverage on cellulose paper and wood fibers, *Journal of Colloid and Interface Science* **77**(2), 353-362 (1980).
- [37] J. B. Donnet and S. J. Park, Surface characteristics of pitch-based carbon fibers by inverse gas chromatography method, *Carbon* **29**(7), 955-961 (1991).
- [38] J. B. Donnet, S. J. Park and H. Balard, Evaluation of specific interactions of solid surfaces by inverse gas chromatography, *Chromatographia* **31**(9-10), 434-440 (1991).
- [39] J. Schultz, L. Lavielle and C. Martin, The role of the interface in carbon fibre-epoxy composites, *The Journal of Adhesion* **23**(1), 45-60 (1987).
- [40] I. Erol, F. Cakar, H. Ocak, H. Cankurtaran, O. Cankurtaran, B. Bilgin-Eran and F. Karaman, Thermodynamic and surface characterisation of 4-[4-((S)-citronellyloxy)benzoyloxy]benzoic acid thermotropic liquid crystal, *Liquid Crystals* **43**(1), 142-151 (2016).
- [41] A. Askin and D. Topaloglu Yazici, Surface characterization of sepiolite by inverse gas chromatography, *Chromatographia* **61**(11-12), 625-631 (2005).
- [42] D. P. Kamdem, S. K. Bose and P. Luner, Inverse gas chromatography characterization of birch wood meal, *Langmuir* **9**(11), 3039-3044 (1993).
- [43] V. Ugraskan, B. Isik, O. Yazici and F. Cakar, Surface characterization and synthesis of boron carbide and silicon carbide, *Solid State Sciences* **118**, 106636 (2021).
- [44] W. Wang, Q. Wang, J. Tang, Q. Wang and B. Wang, Characterization of the thermodynamic properties of ionic liquid 1-allyl-3-vinylimidazolium bis((trifluoromethyl)sulfonyl)imide by inverse gas chromatography, *The Journal of Chemical Thermodynamics* **150**, 106236 (2020).
- [45] S. Mutlu Yanic, F. Cakar, H. Ocak, F. Karaman, O. Cankurtaran and B. Bilgin Eran, Thermodynamic characterization of surface and solubility of 5-((S)-3,7-dimethyloctyloxy)-2-[[[4-(octyloxy)phenyl]imino]methyl]phenol liquid crystal with some solvents, *Journal of Chemical & Engineering Data* **64**(3), 1007-1013 (2019).
- [46] A. van Asten, N. van Veedendal and S. Koster, Surface characterization of industrial fibers with inverse gas chromatography, *Journal of Chromatography A* **888**(1-2), 175-196 (2000).
- [47] J. Kolodziejek, E. Glowka, K. Hyla, A. Voelkel, J. Lulek and K. Milczewska, Relationship between surface properties determined by inverse gas chromatography and ibuprofen release from hybrid materials based on fumed silica, *International Journal of Pharmaceutics* **441**(1-2), 441-448 (2013).
- [48] M. N. Belgacem, G. Czeremuskin, S. Sapiuha and A. Gandini, Surface characterization of cellulose fibres by XPS and inverse gas chromatography, *Cellulose* **2**(3), 145-157 (1995).
- [49] A. C. Adiguzel, B. Korkmaz, F. Cakar, B. F. Senkal and O. Cankurtaran, Application of inverse gas chromatography in the surface characterization of diethanol amine modified polystyrene based polymer, *Turkish Journal of Chemistry* **45**(5), 1533-1542 (2021).
- [50] J. A. F. Gamelas and A. G. Martins, Surface properties of carbonated and non-carbonated hydroxyapatites obtained after bone calcination at different temperatures, *Colloids and Surfaces A: Physicochemical and Engineering Aspects* **478**, 62-70 (2015).
- [51] M. Faria, F. Mohammadkazemi, R. Aguiar and N. Cordeiro, Agro-industrial byproducts as modification enhancers of the bacterial cellulose biofilm surface properties: An inverse chromatography approach, *Industrial Crops and Products* **177**, 114447 (2022).
- [52] V. Gutmann, *The donor-acceptor approach to molecular interactions*, New York: Plenum (1978).