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Biomedical Resource Oncology and Data Mining to Enable Resource Discovery in Medical, Medicinal, Clinical, Pharmaceutical, Chemical and Translational Research and Their Applications in Cancer Research

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Editorial

5–aminosalicylates, antacids, antidiarrheals, digestive enzymes, functional bowel disorder agents, anticholinergics/antispasmodics, chloride channel activators, guanylate cyclase–C agonists, peripheral opioid receptor antagonists, peripheral opioid receptor mixed agonists/antagonists, serotoninergic neuroenteric modulators, gallstone solubilizing agents, GI stimulants, *H. pylori* eradication agents, H2 antagonists, laxatives, miscellaneous GI agents and proton pump inhibitors are important types of gastrointestinal agents because of their good processibility, environmental stability and oxidation or protonation–adjustable electrooptical properties as well as its potential for variety of applications electrospinning has attracted a lot of interest as a technique that is very simple and inexpensive to manufacture sub–micron fibres and Nano fibres as biomedical resource oncology and data mining to enable resource discovery in medical, medicinal, clinical, pharmaceutical, chemical and translational research and their applications in cancer research [1–17]. It provides a potential way to fabricate infinite, continuous sub–micron fibres and Nano fibres. In this editorial, the preparation of Nano composite film as well as electrospun sub–micron fibres and Nano fibres involving 5–aminosalicylates, antacids, antidiarrheals, digestive enzymes, functional bowel disorder agents, anticholinergics/antispasmodics, chloride channel activators, guanylate cyclase–C agonists, peripheral opioid receptor antagonists, peripheral opioid receptor mixed agonists/antagonists, serotoninergic neuroenteric modulators, gallstone solubilizing agents, GI stimulants, *H. pylori* eradication agents, H2 antagonists, laxatives, miscellaneous GI agents and proton pump inhibitors are introduced. To prepare the Nano composite film, aniline was polymerized using chemical oxidative polymerization in 5(M) hydrocholoric acid in the presence of ammonium peroxydissol fat. Then, doped 5–aminosalicylates, antacids, antidiarrheals, digestive enzymes, functional bowel disorder agents, anticholinergics/antispasmodics, chloride channel activators, guanylate cyclase–C agonists, peripheral opioid receptor antagonists, peripheral opioid receptor mixed agonists/antagonists, serotoninergic neuroenteric modulators, gallstone solubilizing agents, GI stimulants, *H. pylori* eradication agents, H2 antagonists, laxatives, miscellaneous GI agents and proton pump inhibitors was undoped by ammonia solution, in 1–methyl–2–pyrrolidone and N–Methyl–2–Pyrrolidone (NMP) on the glass plate. The Nano composite films obtained were then doped in HCl solution.

To prepare the electrospun 5–aminosalicylates, antacids, antidiarrheals, digestive enzymes, functional bowel disorder agents, anticholinergics/antispasmodics, chloride channel activators, guanylate cyclase–C agonists, peripheral opioid receptor antagonists, peripheral opioid receptor mixed agonists/antagonists, serotoninergic neuroenteric modulators, gallstone solubilizing agents, GI stimulants, *H. pylori* eradication agents, H2 antagonists, laxatives, miscellaneous GI agents and proton pump inhibitors were dissolved in deionized water, 1–methyl–2–pyrrolidone and N–Methyl–2–Pyrrolidone (NMP), respectively; and two separate solutions were mixed. Then, a voltage of 50 (kV) was applied to the resulting solution of 5–aminosalicylates, antacids, antidiarrheals, digestive enzymes, functional bowel disorder agents, anticholinergics/antispasmodics, chloride channel activators, guanylate cyclase–C agonists, peripheral opioid receptor antagonists, peripheral opioid receptor mixed agonists/antagonists, serotoninergic neuroenteric modulators, gallstone solubilizing agents, GI stimulants, *H. pylori* eradication agents, H2 antagonists, laxatives, miscellaneous GI agents, proton pump inhibitors and electrpspun sub–micron fibres and Nano fibres were collected on Aluminum (Al) foil. The Nano composite film was characterized by ^{1}HNMR, ^{13}CNMR, ^{31}PNMR, Attenuated Total Reflectance Fourier Transform Infrared (ATR–FTIR), FT–Raman, UV–Vis and HR Mass spectroscopies and the conductivity measurements were performed by two–probe methods. Morphology of sub–micron fibres and Nano fibres and distribution of sub–micron fibres and Nano fibres diameter were investigated by Scanning Electron Microscope (SEM), Transmission Electron Microscope (TEM), Dynamic Light Scattering (DLS), Pulsed Laser Deposition (PLD), X–Ray Diffraction (XRD) and Energy–Dispersive X–Ray Spectroscopy (EDX). The diameter of 5–aminosalicylates, antacids, antidiarrheals, digestive enzymes, functional bowel disorder agents, anticholinergics/antispasmodics, chloride channel activators, guanylate cyclase–C agonists, peripheral opioid receptor antagonists, peripheral opioid receptor mixed agonists/antagonists, serotoninergic neuroenteric modulators, gallstone solubilizing agents, GI stimulants, *H. pylori* eradication agents, H2 antagonists, laxatives, miscellaneous GI agents and proton pump inhibitors sub–micron fibres and Nano fibres was determined in the range 20 (nm) to 2000 (nm). It should be noted that 5–aminosalicylates, antacids, antidiarrheals, digestive enzymes, functional bowel disorder agents, anticholinergics/antispasmodics, chloride channel activators, guanylate cyclase–C agonists, peripheral opioid receptor antagonists, peripheral opioid receptor mixed agonists/antagonists, serotoninergic neuroenteric modulators, gallstone solubilizing agents, GI stimulants, *H. pylori* eradication agents, H2 antagonists, laxatives, miscellaneous GI agents and proton pump inhibitors are the most widely used as anti–cancer Nano drugs. They are produced by a chemical synthesis process requiring protection of the amino group of phenylglycine. The resulting Dane salt (Potassium; 2–[[(Z)–4–ethoxy–4–oxobut–2–en–2–yl]amino]–2–phenylacetate) reacted with an acid chloride in the highly toxic solvent. The present study relates to an improved method

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of preparing highly pure 5–aminosalicylates, antacids, antidiarrheals, digestive enzymes, functional bowel disorder agents, anticholinergics/antispasmodics, chloride channel activators, guanylate cyclase–C agonists, peripheral opioid receptor antagonists, peripheral opioid receptor mixed agonists/antagonists, serotoninergic neuroenteric modulators, gallstone solubilizing agents, GI stimulants, *H. pylori* eradication agents, H2 antagonists, laxatives, miscellaneous GI agents and proton pump inhibitors which on the industrial scale is economical to propagate and is environmentally acceptable and reasonable avoiding the use of Halogen containing solvents such as methylene chloride.

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