**Nhiên liệu sinh học với phát triển bền vững**

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Nhiên liệu sinh học (Biofuels) là nhiên liệu được hình thành từ các hợp chất có nguồn gốc sinh học, được chế xuất từ chất béo động, thực vật; ngũ cốc; chất thải nông nghiệp hoặc mùn cưa, gỗ thải trong sản xuất công nghiệp. So với dầu khí và than đá, nhiên liệu sinh học thân thiện với môi trường, có thể tái sinh, giúp giảm sự lệ thuộc vào nguồn nhiên liệu hóa thạch. Trong nhiên liệu sinh học, xăng sinh học là loại nhiên liệu lỏng, sử dụng Ethanol làm phụ gia pha trộn, nó có thể thay thế hoàn toàn cho các loại xăng sử dụng phụ gia chì truyền thống. Với hàm lượng ôxy cao, xăng sinh học giúp quá trình cháy trong động cơ diễn ra triệt để, tăng công suất, giảm tiêu hao nhiên liệu, đồng thời giảm thiểu chất độc hại trong khí thải. Nhờ trị số Octan cao, xăng sinh học còn làm gia tăng khả năng chống kích nổ.

Để hiểu rõ hơn Cục Thông tin KH&CN quốc gia xin giới thiệu một số bài nghiên cứu đã được xuất bản chính thức và các bài viết được chấp nhận đăng trên những cơ sở dữ liệu học thuật chính thống.



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