

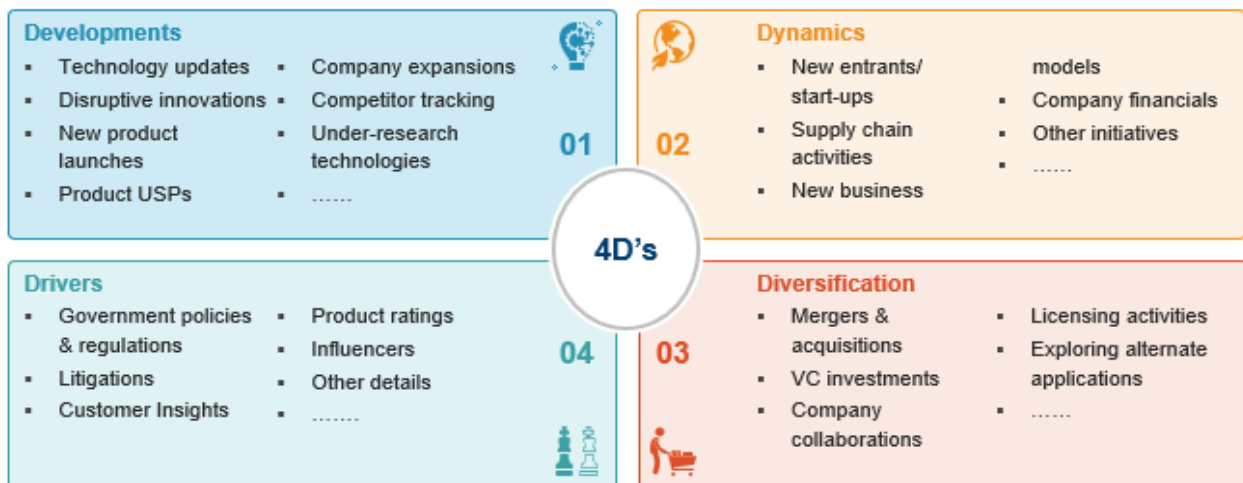
INTELLOTRACKER

Sustainable Dyes

May 2023



ARANCA'S QUARTERLY SECTORIAL UPDATE ACROSS FOUR DIMENSIONS....





DEVELOPMENTS

New Product Launch		Archroma has introduced FiberColors technology, a line of dyestuff made using a minimum of 50% waste-based raw material. <i>Source: Sourcing Journal- Rivet</i>
New Product Launch		The denim subsidiary of Hong Kong-based Crystal International Group Limited (CIGL) recently launched the Vibrant Denim Collection, a range of indigo denim overdyed with natural mineral dyes. <i>Source: Sourcing Journal- Rivet</i>
Technology/ Innovations		Conagen announced the successful scale-up of its sustainable, cost-effective Tyrian purple, which, when used as an alternative to petrochemically synthesized dyes, decreases pollution and carbon footprints. <i>Source: Company Website</i>
Technology/ Innovations		'Plasma Structural Coloring' An inkless printing technology, that changes the color of the penciling part on a paper by plasma irradiation. The technique is environmentally friendly and can be applied to various activities, such as study and art. <i>Source: NPL</i>
Technology/ Innovations		The patent's innovation focuses on either totally removing the petroleum content or substituting a higher percentage of natural extract to reduce water consumption and harmful release when utilizing synthetic dyes. <i>Source: Patent</i>
Technology/ Innovations		Nature Coatings' process provides a carbon-negative, environmentally friendly alternative to produce black pigments from wood waste. <i>Source: Appalachian Today</i>



DYNAMICS

Initiatives		The ZDHC's new 'Chemicals to Zero' (CtZ) leader initiative seeks to assist fashion industry companies and suppliers in achieving sustainable chemical management while minimizing harmful impacts on human health and the environment. <i>Source: Ecotextile News</i>
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DIVERSIFICATION

Merger/Acquisition		Archroma has completed the acquisition of Huntsman Textile Effects, which will improve the company's sustainable chemicals and dyes business. <i>Source: Textile Evolution</i>
Consortium		The Faculty of Educational Sciences has received a significant EU consortium grant under the Horizon Europe framework program for Colour4CRAFTS, a multidisciplinary project for the development of novel dyeing techniques and bio-based dyes. <i>Source: Mirage</i>
Collaboration		Chalmers University scientists devised a way to eliminate 80% of dye contaminants in wastewater using wood nanocrystals in partnership with the Malaviya National Institute of Technology Jaipur. <i>Source: Ecotextile News</i>
VC Investments		Biotechnology start-up Pili has raised \$15.8 million in Series A funding to boost its industrialization by manufacturing the first tons of bio-based sustainable dyes. <i>Source: Just Style</i>
VC Investments		Ever Dye, a deep-tech firm based in Paris revealed, that it has raised €3.4M in a seed round of funding. The company developed a chemical approach for textile dyeing plants to utilize color fibers swiftly, efficiently, and without the usage of petrochemicals. <i>Source: Silicon Canals</i>



DRIVERS

Government Policies		The recent European Commission Decisions concern waste gas management and treatment in the chemical sector, as well as certain types of operations in the textile industry. <i>Source: European Commission website</i>
Government Policies		India will launch Bio-E3 (biotechnology for the environment, economy, and employment) regulations to reduce reliance on petrochemicals in numerous industries by increasing biotechnology production of agri-food, veterinary goods, paints, and dyes. <i>Source: Mint</i>

SOLUTION PORTFOLIO – TECHNOLOGY RESEARCH & ADVISORY

IP Strategy	Technology Intelligence	Growth & Strategy
<p>How best can we proactively manage and monetise our technical knowhow / intellectual property?</p>	<p>How best can we keep abreast of technology trends, competitor activity and headwinds / tailwinds in our domain?</p>	<p>Which technologies do we invest in? How do we ensure quick wins? Speed to market?</p>
<ul style="list-style-type: none"> IP Portfolio Analysis 	<ul style="list-style-type: none"> Competitor Benchmarking 	<ul style="list-style-type: none"> R&D Strategy Roadmaps
<ul style="list-style-type: none"> IP Monetisation 	<ul style="list-style-type: none"> Tech / IP Landscapes 	<ul style="list-style-type: none"> Technology Scouting
<ul style="list-style-type: none"> IP Valuation 	<ul style="list-style-type: none"> Technology Watch 	<ul style="list-style-type: none"> Open Innovation
<ul style="list-style-type: none"> Prior Art Searches 	<ul style="list-style-type: none"> Market Analysis / Trends 	<ul style="list-style-type: none"> Product Development



GROWTH ADVISORY



INVESTMENT RESEARCH & ANALYTICS



VALUATION & FINANCIAL ADVISORY



TECHNOLOGY RESEARCH & ADVISORY



PROCUREMENT & SUPPLY CHAIN INTELLIGENCE

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