


Event:

	ENDORSED BY 	HEALTH in BUILDINGS HYGEIA 2026 <i>where the medical & engineering professions collaborate & innovate</i>	 ASHRAE Hellenic Chapter
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May 27-29, 2026 - Island of KOS, Greece

<h1>#118</h1>	<h2>Angela Southey</h2> <p>PhD, MPH.</p>	
Title:	<p>Chief Technical Officer in Aerobiology at iAir Laboratory, Airmid Healthgroup Ltd., 2056 Castle Drive, Citywest Business Campus, Dublin 24. D24YH58, Ireland</p>	
email:	<p>asouthey@airmidhealthgroup.com</p>	
Presentation title:	<p>Role of Small-Sized Air Purifiers In Indoor Air Quality Strategies</p>	
<p>The rising popularity of small air purifiers reflects growing awareness of indoor air quality (IAQ) as a key factor in health and well-being. Concerns about airborne pathogens, pollution, allergens, and volatile organic compounds (VOCs) have driven their adoption in homes, offices, schools, and healthcare settings. Compact, energy-efficient, and affordable, these devices provide immediate, localized air cleaning without requiring costly HVAC upgrades, making them especially useful where infrastructure changes are impractical.</p> <p>Beyond convenience, small air purifiers support professional IAQ strategies, particularly under ASHRAE Standard 241 (2023). This framework introduces Equivalent Clean Airflow (ECAi), which integrates ventilation, filtration, and air cleaning to reduce infection risk. Properly selected portable purifiers can contribute meaningfully to ECAi. Many use HEPA or ULPA filters, with some incorporating UV-C, electrostatic precipitation, or activated carbon to remove biological and chemical contaminants.</p> <p>As part of a layered approach, portable purifiers complement ventilation, improved filtration, and source control. They are especially effective in crowded or poorly ventilated areas, delivering targeted clean air and reducing aerosol concentrations.</p> <p>To ensure effectiveness, devices must meet standards such as AHAM AC-1 (2020) for Clean Air Delivery Rate (CADR), alongside proper placement, maintenance, and filter replacement.</p>		
Short CV:		
<p>Dr. Angela Southey leads the chamber testing design and ISO 17025 lab operations at iAir group, supporting allergen and infection control, indoor air quality, and anti-microbial product testing.</p> <p>Dr. Angela Southey is the Chief Technical Officer at Airmid Healthgroup, bringing over 25 years of experience in biomedical research, virology, and environmental health sciences. She leads the development and execution of rigorous testing protocols for consumer products aimed at improving indoor air quality (IAQ), including air purifiers, HVAC filters, textiles, and antimicrobial coatings.</p>		

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CV:

Dr. Angela Southey leads bioaerosol testing design and ISO 17025 lab operations at iAir Laboratories, supporting performance evaluation of consumer products in iAir's 28.5m³ environmental test chambers.

Dr. Angela Southey is the Chief Technical Officer at iAir Laboratories, bringing over 25 years of experience in biomedical research, virology, and particulate monitoring devices. She leads the development and execution of rigorous testing protocols for consumer products aimed at improving indoor air quality (IAQ), including air purifiers, HVAC filters, textiles, flooring, and antimicrobial coatings.

Angela's expertise encompasses the design of bespoke and standardized testing methodologies aligned with ASHRAE 52.2, 185.3, and 241 standards. She has been instrumental in establishing and maintaining ISO 17025-accredited laboratories, ensuring the highest quality and reliability in testing outcomes. Her work supports manufacturers in substantiating product claims and contributes to healthier indoor environments.