



At Springer Nature, we believe in using AI responsibly and for the benefit of the research community, our authors, editors and readers, and our staff. We are committed to adopting an ethically focused approach while using, designing, developing, and deploying AI-assisted solutions. We design and use solutions which contain AI or are enabled by AI responsibly, making sure that we consider and mitigate any negative impact, be it societal or environmental. We place human-centered values at the heart of our approach to the responsible use of AI, and these are reflected in our AI Principles and editorial policies.

SPRINGER NATURE AI PRINCIPLES	
Dignity, Respect and Minimizing Harm	We prioritize human well-being and dignity, and take steps to prevent harm to society and the environment
Fairness and Equity	We mitigate the potential for structural bias and inequities.
Transparency	We explain the use of AI in our processes in accessible language and add disclosure statements as appropriate.
Accountability	We maintain human oversight of the development and outcomes generated by our AI tools and solutions.
Privacy and Data Governance	We safeguard personal privacy and follow all relevant data protection laws.

<p><b>Protection via policies and guidance</b></p> <p>We expect our authors, editors, and peer reviewers to adhere to our AI Principles. These principles are reflected in our <a href="#">AI editorial policies and guidance</a>. The Springer Nature AI Ethics and Policy Forums consistently monitor global and community expectations, as well as regulations, to stay updated on ongoing developments that could affect our business. Thus, all our <a href="#">AI policies</a> will be updated as needed. Please refer to the editorial policy pages below for the latest versions and any exceptions to the policies.</p>	<ul style="list-style-type: none"> <li>✓ SN does not attribute authorship to AI.</li> <li>✓ SN does not allow the inclusion of generative AI images in our publications.</li> <li>✓ SN asks peer reviewers not to upload manuscripts into generative AI tools.</li> </ul>	
	<p><b>Transparency:</b> The use of generative AI tools should be declared in the methods section or acknowledgements of the manuscript. The use of an AI-tool for “AI assisted copy editing” purposes does not need to be declared. Please click for the full policies below.</p>	<p><b>Accountability:</b> AI is a tool and cannot be held accountable. Thus, authorship and other tasks requiring accountability can only be performed by a human.</p>
<div style="display: flex; justify-content: space-around; align-items: center;"> <div style="border: 1px solid #ccc; border-radius: 10px; padding: 5px 15px; background-color: #f0f0f0;">BMC </div> <div style="border: 1px solid #ccc; border-radius: 10px; padding: 5px 15px; background-color: #f0f0f0;">Cureus </div> <div style="border: 1px solid #ccc; border-radius: 10px; padding: 5px 15px; background-color: #f0f0f0;">Nature Portfolio </div> <div style="border: 1px solid #ccc; border-radius: 10px; padding: 5px 15px; background-color: #f0f0f0;">Palgrave Macmillan </div> <div style="border: 1px solid #ccc; border-radius: 10px; padding: 5px 15px; background-color: #f0f0f0;">Springer </div> </div>		

<p><b>Thinking about using AI?</b></p> <p>Chatbots and other AI tools offer many time saving options and are certainly attractive in terms of quick outputs. It is important to remember our AI Principles and policies when using AI. The quality of your AI output will be determined by your input. So, it is critical to remember to be responsible when entering prompts. Prompts are what you input into the AI in order to generate an output. Prompts can be questions, instructional text, data, images, video, or a combination.</p>	<ul style="list-style-type: none"> <li>✓ Consider how you craft your prompt in terms of bias, both in terms of input and output.</li> <li>✓ Do not include personal, sensitive, or confidential information in prompts.</li> <li>✓ Do not create prompts that could lead to harmful or malicious outcomes.</li> <li>✓ Take accountability for the impact of your prompts.</li> <li>✓ Before deploying prompts widely, test them to ensure they lead to appropriate and ethical responses. Be guided by our AI Principles.</li> <li>✓ Stay informed about the latest developments in AI ethics and incorporate best practices into prompt creation.</li> </ul> <p>Please see: <a href="#">How to write effective prompts for large language models</a></p>
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<p><b>Springer Nature supports our researchers, authors, and editors by adding value throughout the science ecosystem.</b></p> <p>We leverage technologies like AI to make research faster, more accessible, and more trustworthy. And we do so, responsibly, in line with our AI Principles.</p>	<ul style="list-style-type: none"> <li>✓ Accelerating discovery - To accelerate scientific progress, we focus on the needs of researchers and help them become more agile and efficient. (<a href="#">Nature Intelligence</a>, <a href="#">Snapp</a>, <a href="#">text generation and writing assistance</a>)</li> <li>✓ Promoting equity - Making scientific knowledge easier to access is crucial for finding solutions to global challenges. Open Science requires transparency and inclusivity. At Springer Nature, we are paving the way forward to make this vision a reality. (<a href="#">Text summarizations and research roundups</a>, <a href="#">AI-driven translations</a>, <a href="#">developing and sharing reproducible methods</a>)</li> <li>✓ Protecting integrity - Ensuring research integrity and the trustworthiness of the scientific record is paramount both for scientific progress and practical applications of research. In the age of AI, safeguarding against fraudulent practices within the scientific ecosystem becomes an increasingly important concern. (<a href="#">Detecting invalid text generated by machines</a>, <a href="#">Authors and reviewer identity verification</a>, <a href="#">Protecting image integrity</a>)</li> </ul> <p>Find out more on the <a href="#">Springer Nature Artificial Intelligence pages</a>.</p>
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