

Generative AI in Education and Research: A systematic mapping of published articles

Appendix A. List of studies in the corpus by classification (n = 407)

Item	Title	Article type	Publishing type	Discipline	Year	Educational level	Research area	Conceptualization
Abbas (2024) (ID:98493596)	Is it harmful or helpful? Examining the causes and consequences of generative AI usage among university students	-Original research	-Journal article	-General education	-2024	-Higher education	-Institutional and individual adoption	-A tool for pedagogical enhancement -A Cross-cutting technology
Abd-Alrazaq (2023) (ID:98491933)	Large Language Models in Medical Education: Opportunities, Challenges, and Future Directions	-Original research	-Journal article	-Medical education	-2023	-Higher education	-Application, impact and potential	-A tool for Specialized Training and Practice -A Cross-cutting technology
Abdaljaleel (2024) (ID:98493795)	A multinational study on the factors influencing university students' attitudes and usage of ChatGPT	-Original research	-Journal article	-General education	-2024	-Higher education	-Institutional and individual adoption	-A tool for pedagogical enhancement -A Cross-cutting technology
Abdelhafiz (2024) (ID:98493656)	Knowledge, Perceptions and Attitude of Researchers Towards Using ChatGPT in Research	-Original research	-Journal article	-Medical education	-2024	-Higher education	-Attitude, awareness, and motivation	-A tool for Specialized Training and Practice -A Cross-cutting technology
Abdelhalim (2024) (ID:98493816)	Using ChatGPT to promote research competency: English as a Foreign Language undergraduates' perceptions and practices across varied metacognitive awareness levels	-Original research	-Journal article	-Language education	-2024	-Higher education	-Perspectives and experiences	-A tool for pedagogical enhancement -A writing assistant and productive tool
Abdullah (2023) (ID:98494125)	Assessing Variability in the Readability of ChatGPT-Generated Education Material in Surgery	-Original research	-Journal article	-Medical education	-2023	-Higher education	-Performance and Intelligence of GenAI	-A tool for Specialized Training and Practice
Abeysekera (2024) (ID:98493122)	ChatGPT and academia on accounting assessments	-Original research	-Journal article	-Accounting	-2024	-Higher education	-Performance and Intelligence of GenAI	-A tool for Professional Skills and Decision-Making
Abu-Farha (2023) (ID:98492604)	Evaluation of community pharmacists' perceptions and willingness to integrate ChatGPT into their pharmacy practice: A study from Jordan	-Original research	-Journal article	-Medical education	-2023	-Higher education	-Perspectives and experiences	-A tool for Specialized Training and Practice

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Adams (2023) (ID:98493697)	From novice to navigator: Students' academic help-seeking behaviour, readiness, and perceived usefulness of ChatGPT in learning	-Original research	-Journal article	-General education	-2023	-Higher education	-Application, impact and potential	-A tool for pedagogical enhancement -A Cross-cutting technology
Adarkwah (2023) (ID:98491901)	Awareness and acceptance of ChatGPT as a generative conversational AI for transforming education by Ghanaian academics: A two-phase study	-Original research	-Journal article	-General education	-2023	-Higher education	-Institutional and individual adoption	-A tool for pedagogical enhancement -A Cross-cutting technology
Ahmad (2023) (ID:98491809)	Generative Artificial Intelligence and the Education Sector	-Original research	-Conference	-General education	-2023	-General education	-Perspectives and experiences	-A tool for pedagogical enhancement -A Cross-cutting technology
Ahmad (2023) (ID:98493734)	Hallucinations in ChatGPT: An Unreliable Tool for Learning	-Original research	-Journal article	-General education	-2023	-General education	-Performance and Intelligence of GenAI	-A tool for pedagogical enhancement
Ajevski (2023) (ID:98491909)	ChatGPT and the future of legal education and practice	-Original research	-Journal article	-Legal education	-2023	-Higher education	-Application, impact and potential	-A tool for Specialized Training and Practice -A Cross-cutting technology
Akiba (2023) (ID:98493600)	AI-Supported Academic Advising: Exploring ChatGPT's Current State and Future Potential toward Student Empowerment	-Original research	-Journal article	-General education	-2023	-Higher education	-Application, impact and potential	-A tool for pedagogical enhancement -A Cross-cutting technology
Al Shloul (2024) (ID:98492655)	Role of activity-based learning and ChatGPT on students' performance in education	-Original research	-Journal article	-General education	-2024	-General education	-Application, impact and potential	-A tool for pedagogical enhancement
Al-Zahrani (2023) (ID:98493467)	The impact of generative AI tools on researchers and research: Implications for academia in higher education	-Original research	-Journal article	-General education	-2023	-Higher education	-Application, impact and potential	-A tool for pedagogical enhancement -A writing assistant and productive tool
Alali (2023) (ID:98493789)	Leveraging The Revolutionary Potential of Chatgpt to Enhance Kindergarten Teachers' Educational Performance: A Proposed Perception	-Original research	-Journal article	-General education	-2023	-Early childhood education	-Application, impact and potential	-A tool for pedagogical enhancement

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Alam (2023) (ID:98491846)	Integrating AI in medical education: embracing ethical usage and critical understanding	-Original research	-Journal article	-General education	-2023	-Higher education	-Ethical guidelines and framework	-A tool for Specialized Training and Practice
Alam (2024) (ID:98491631)	Perception and practice of using Artificial Intelligence in education: An opinion based study	-Original research	-Journal article	-General education	-2024	-General education	-Perspectives and experiences	-A tool for pedagogical enhancement
Alammari (2024) (ID:98491596)	Evaluating generative AI integration in Saudi Arabian education: a mixed-methods study	-Original research	-Journal article	-General education	-2024	-Higher education	-Attitude, awareness, and motivation	-A tool for pedagogical enhancement -A Cross-cutting technology
Alasadi (2023) (ID:98491736)	Generative AI in Education and Research: Opportunities, Concerns, and Solutions	-Original research	-Journal article	-General education	-2023		-Ethical implication and risks -Application, impact and potential -Ethical guidelines and framework	-A tool for pedagogical enhancement -A Cross-cutting technology
Alghamdi (2024) (ID:98493687)	Exploring the impact of ChatGPT-generated feedback on technical writing skills of computing students: A blinded study	-Original research	-Journal article	-General education	-2024	-General education	-Application, impact and potential	-A tool for pedagogical enhancement -A Cross-cutting technology -A writing assistant and productive tool
Ali (2024) (ID:98491563)	ChatGPT—A double-edged sword for healthcare education? Implications for assessments of dental students	-Original research	-Journal article	-Medical education	-2024	-Higher education	-Performance and Intelligence of GenAI	-A tool for Specialized Training and Practice -A Cross-cutting technology
Ali (2024) (ID:98492170)	The effects of artificial intelligence applications in educational settings: Challenges and strategies	-Review	-Journal article	-General education	-2024	-General education	-Application, impact and potential	-A tool for pedagogical enhancement -A Cross-cutting technology
Alier (2024) (ID:98491534)	Generative Artificial Intelligence in Education: From Deceptive to Disruptive	-Original research	-Journal article	-General education	-2024	-General education	-Ethical guidelines and framework -Application, impact and potential	-A Cross-cutting technology

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Alqahtani (2023) (ID:98492060)	The emergent role of artificial intelligence, natural learning processing, and large language models in higher education and research	-Review	-Journal article	-General education	-2023	-Higher education	-Ethical guidelines and framework -Ethical implication and risks -Application, impact and potential	-A tool for pedagogical enhancement -A Cross-cutting technology
Alshammari (2024) (ID:98493598)	Factors Affecting the Adoption and Use of ChatGPT in Higher Education	-Original research	-Journal article	-General education	-2024	-Higher education	-Institutional and individual adoption	-A Cross-cutting technology
Amedu (2024) (ID:98492556)	Harnessing the benefits of ChatGPT for radiography education: A discussion paper	-Original research	-Journal article	-Medical education	-2024	-Higher education	-Ethical implication and risks -Application, impact and potential	-A tool for Specialized Training and Practice
Ansari (2023) (ID:98493533)	Mapping the global evidence around the use of ChatGPT in higher education: A systematic scoping review	-Review	-Journal article	-General education	-2023	-Higher education	-Ethical implication and risks -Application, impact and potential	-A tool for pedagogical enhancement -A Cross-cutting technology
Arachchige (2023) (ID:98493878)	ChatGPT in medical imaging higher education: Reply to Currie et al.	-Letter	-Journal article	-Medical education	-2023	-Higher education	-Ethical implication and risks	-A tool for Specialized Training and Practice
Araji (2024) (ID:98492665)	Evaluating The Role of ChatGPT as a Study Aid in Medical Education in Surgery	-Original research	-Journal article	-Medical education	-2024	-Higher education	-Application, impact and potential -Performance and Intelligence of GenAI	-A tool for Specialized Training and Practice -A writing assistant and productive tool
Araújo (2024) (ID:98493443)	Can ChatGPT Enhance Chemistry Laboratory Teaching? Using Prompt Engineering to Enable AI in Generating Laboratory Activities	-Original research	-Journal article	-Chemistry education	-2024	-General education	-Application, impact and potential -Performance and Intelligence of GenAI	-A tool for pedagogical enhancement
Armitage (2023) (ID:98493842)	ChatGPT: the threats to medical education	-Original research	-Journal article	-Medical education	-2023	-Higher education	-Ethical implication and risks	-A tool for Specialized Training and Practice

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Assad (2024) (ID:98493810)	Exploring the use of ChatGPT among media students in Egypt: Opportunities and challenges	-Original research	-Journal article	-Others	-2024	-Higher education	-Ethical implication and risks -Application, impact and potential -Institutional and individual adoption	-A tool for Specialized Training and Practice -A Cross-cutting technology
Athilingam (2024) (ID:98491667)	ChatGPT in nursing education: opportunities and challenges	-Original research	-Journal article	-Nursing education	-2024	-Higher education	-Application, impact and potential -Ethical implication and risks	-A tool for Specialized Training and Practice -A Cross-cutting technology
Awal (2024) (ID:98493657)	Curse or blessing? Students' experience from ChatGPT with an application of Colaizzi's phenomenological descriptive method of enquiry and content analysis	-Original research	-Journal article	-General education	-2024	-Higher education	-Attitude, awareness, and motivation	-A tool for pedagogical enhancement -A Cross-cutting technology
Ayanwale (2024) (ID:98493747)	Investigating factors of students' behavioral intentions to adopt chatbot technologies in higher education: Perspective from expanded diffusion theory of innovation	-Original research	-Journal article	-General education	-2024	-Higher education	-Institutional and individual adoption	-A tool for pedagogical enhancement -A Cross-cutting technology
Ayanwale (2024) (ID:98494181)	Exploring intention of undergraduate students to embrace chatbots: from the vantage point of Lesotho	-Original research	-Journal article	-General education	-2024	-Higher education	-Institutional and individual adoption	-A tool for pedagogical enhancement -A Cross-cutting technology
Azam (2024) (ID:98494113)	ChatGPT and the Future of Medical Education: Correspondence AUTHOR'S REPLY	-Letter	-Journal article	-Medical education	-2024	-Higher education	-Ethical implication and risks -Application, impact and potential	-A tool for Specialized Training and Practice
Baha (2023) (ID:98493640)	The impact of educational chatbot on student learning experience	-Original research	-Journal article	-Computing education	-2023	-Secondary	-Application, impact and potential	-A tool for pedagogical enhancement -A Cross-cutting technology

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Bahroun (2023) (ID:98491801)	Transforming Education: A Comprehensive Review of Generative Artificial Intelligence in Educational Settings through Bibliometric and Content Analysis	-Review	-Journal article	-General education	-2023	-General education	-Ethical implication and risks -Application, impact and potential	-A tool for pedagogical enhancement -A Cross-cutting technology
BAI (2024) (ID:98491704)	RE-EXAMINING THE FUTURE PROSPECTS OF ARTIFICIAL INTELLIGENCE IN EDUCATION IN LIGHT OF THE GDPR AND ChatGPT	-Opinion	-Journal article	-General education	-2024	-General education	-Application, impact and potential	-A tool for pedagogical enhancement -A Cross-cutting technology
Bakare (2023) (ID:98491760)	ChatGPT and other generative Artificial Intelligence (AI) tools in teaching and learning as integrative pathways to contemporary university education	-Original research	-Book chapter	-General education	-2023	-Higher education	-Application, impact and potential	-A tool for pedagogical enhancement -A Cross-cutting technology
Ballantine (2024) (ID:98491488)	A critical review of AI in accounting education: Threat and opportunity	-Review	-Journal article	-Accounting	-2024	-Higher education	-Ethical implication and risks -Application, impact and potential	-A tool for Professional Skills and Decision-Making -A Cross-cutting technology
Bannister (2023) (ID:98491723)	A Systematic Review of Generative AI and (English Medium Instruction) Higher Education	-Review	-Journal article	-Language education	-2023	-Higher education	-Ethical implication and risks -Application, impact and potential	-A tool for pedagogical enhancement -A Cross-cutting technology
Bao (2023) (ID:98493591)	A Preliminary Study on Graduate Student Instructors' Exploration , Perception, and Use of ChatGPT	-Original research	-Journal article	-General education	-2023	-Higher education	-Perspectives and experiences -Institutional and individual adoption	-A tool for pedagogical enhancement -A Cross-cutting technology
Barker (2024) (ID:98491467)	Generative Artificial Intelligence as a Tool for Teaching Communication in Nutrition and Dietetics Education-A Novel Education Innovation	-Original research	-Journal article	-Others	-2024	-Higher education	-Application, impact and potential	-A Cross-cutting technology

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Barrett (2023) (ID:98491615)	Not quite eye to A.I.: student and teacher perspectives on the use of generative artificial intelligence in the writing process	-Original research	-Journal article	-Language education	-2023	-Higher education	-Perspectives and experiences	-A tool for pedagogical enhancement -A writing assistant and productive tool
Barrot (2023) (ID:98492717)	Using ChatGPT for second language writing: Pitfalls and potentials	-Review	-Journal article	-Language education	-2023	-Higher education	-Application, impact and potential	-A tool for pedagogical enhancement -A writing assistant and productive tool
Beck (2023) (ID:98493794)	Backtalk: ChatGPT: A powerful technology tool for writing instruction	-Commentary	-Journal article	-General education	-2023	-General education	-Application, impact and potential	-A writing assistant and productive tool
Bedington (2024) (ID:98492057)	Writing with generative AI and human-machine teaming: Insights and recommendations from faculty and students	-Original research	-Journal article	-Language education	-2024	-Higher education	-Application, impact and potential -Ethical implication and risks	-A tool for pedagogical enhancement
Bender (2024) (ID:98491537)	Awareness of Artificial Intelligence as an Essential Digital Literacy: ChatGPT and Gen-AI in the Classroom	-Discussion	-Journal article	-Others	-2024	-Higher education	-Application, impact and potential	-A tool for pedagogical enhancement -A Cross-cutting technology
Bernabei (2023) (ID:98492639)	Students' use of large language models in engineering education: A case study on technology acceptance, perceptions, efficacy, and detection chances	-Original research	-Journal article	- Computing/Engineering	-2023	-Higher education	-Institutional and individual adoption -Perspectives and experiences	-A tool for pedagogical enhancement -A Cross-cutting technology
Bhaskar (2024) (ID:98493726)	Delving into educators' perspectives on ChatGPT in management education: a qualitative exploration	-Original research	-Journal article	-Management education	-2024	-Higher education	-Perspectives and experiences	-A tool for Professional Skills and Decision-Making
Billingsley (2023) (ID:98491624)	Utilizing generative AI with second-language users and bilingual students	-Original research	-Book chapter	-Language education	-2023	-Higher education	-Application, impact and potential	-A tool for pedagogical enhancement
Bilquise (2024) (ID:98493582)	Investigating student acceptance of an academic advising chatbot in higher education institutions	-Original research	-Journal article	-General education	-2024	-Higher education	-Institutional and individual adoption	-A tool for pedagogical enhancement -A Cross-cutting technology

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Bin-Nashwan (2023) (ID:98492919)	Use of ChatGPT in academia: Academic integrity hangs in the balance	-Original research	-Journal article	-General education	-2023	-General education	-Institutional and individual adoption	-A tool for pedagogical enhancement -A Cross-cutting technology
Biri (2023) (ID:98494111)	Assessing the Utilization of Large Language Models in Medical Education: Insights From Undergraduate Medical Students	-Original research	-Journal article	-Medical education	-2023	-Higher education	-Attitude, awareness, and motivation	-A tool for Specialized Training and Practice
Blake (2023) (ID:98491675)	Unleashing the potential: Positive impacts of generative AI on learning and teaching	-Original research	-Book chapter	-General education	-2023	-General education	-Application, impact and potential	-A tool for pedagogical enhancement
Bom (2023) (ID:98491757)	Exploring the Opportunities and Challenges of ChatGPT in Academic Writing: a Roundtable Discussion	-Discussion	-Journal article	-General education	-2023	-Higher education	-Application, impact and potential	-A Cross-cutting technology -A writing assistant and productive tool
Boscardin (2024) (ID:98491686)	ChatGPT and Generative Artificial Intelligence for Medical Education: Potential Impact and Opportunity	-Opinion	-Journal article	-Medical education	-2024	-Higher education	-Application, impact and potential	-A tool for Specialized Training and Practice -A Cross-cutting technology
Boubker (2024) (ID:98492657)	From chatting to self-educating: Can AI tools boost student learning outcomes?	-Original research	-Journal article	-General education	-2024	-Higher education	-Application, impact and potential	-A tool for pedagogical enhancement
Boudouaia (2024) (ID:98493843)	A Study on ChatGPT-4 as an Innovative Approach to Enhancing English as a Foreign Language Writing Learning	-Original research		-Language education	-2024	-Higher education	-Application, impact and potential	-A tool for pedagogical enhancement -A Cross-cutting technology -A writing assistant and productive tool
Bouteraa (2024) (ID:98491417)	Understanding the diffusion of AI-generative (ChatGPT) in higher education: Does students' integrity matter?	-Original research	-Journal article	-General education	-2024	-Higher education	-Institutional and individual adoption	-A Cross-cutting technology
Bower (2024) (ID:98491646)	How should we change teaching and assessment in response to increasingly powerful generative Artificial Intelligence? Outcomes of the ChatGPT teacher survey	-Original research	-Journal article	-General education	-2024	-General education	-Perspectives and experiences	-A tool for pedagogical enhancement

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Bozkurt (2023) (ID:98491890)	Unleashing the Potential of Generative AI, Conversational Agents and Chatbots in Educational Praxis: A Systematic Review and Bibliometric Analysis of GenAI in Education	-Review	-Journal article	-General education	-2023	-General education	-Application, impact and potential	-A tool for pedagogical enhancement -A Cross-cutting technology
Bucaioni (2024) (ID:98493222)	Programming with ChatGPT: How far can we go?	-Original research	-Journal article	-Computing education	-2024	-Higher education	-Performance and Intelligence of GenAI	-A tool for pedagogical enhancement -A tool for Professional Skills and Decision-Making
Budhathoki (2024) (ID:98493587)	ChatGPT adoption and anxiety: a cross-country analysis utilising the unified theory of acceptance and use of technology (UTAUT)	-Original research	-Journal article	-General education	-2024	-Higher education	-Institutional and individual adoption	-A tool for pedagogical enhancement -A Cross-cutting technology
Cai (2023) (ID:98493537)	Factors Influencing Learner Attitudes Towards ChatGPT-Assisted Language Learning in Higher Education	-Original research	-Journal article	-General education	-2023	-Higher education	-Attitude, awareness, and motivation -Institutional and individual adoption	-A Cross-cutting technology
Camilleri (2024) (ID:98492596)	Factors affecting performance expectancy and intentions to use ChatGPT: Using SmartPLS to advance an information technology acceptance framework	-Original research	-Journal article	-General education		-General education	-Institutional and individual adoption	-A tool for pedagogical enhancement -A Cross-cutting technology
Castonguay (2023) (ID:98492487)	Revolutionizing nursing education through Ai integration: A reflection on the disruptive impact of ChatGPT	-Opinion	-Journal article	-Nursing education	-2023	-Higher education	-Ethical implication and risks -Application, impact and potential	-A tool for Specialized Training and Practice
Chadha (2024) (ID:98491593)	How do we teach generative artificial intelligence to medical educators? Pilot of a faculty development workshop using ChatGPT	-Original research	-Journal article	-Medical education	-2024	-Higher education	-Attitude, awareness, and motivation	-A tool for pedagogical enhancement -A tool for Specialized Training and Practice

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Chan (2023) (ID:98491697)	An expectancy value theory (EVT) based instrument for measuring student perceptions of generative AI	-Original research	-Journal article	-General education	-2023	-Higher education	-Perspectives and experiences	-A tool for pedagogical enhancement
Chan (2023) (ID:98493449)	Students' voices on generative AI: perceptions, benefits, and challenges in higher education	-Original research	-Journal article	-General education	-2023	-General education	-Perspectives and experiences	-A Cross-cutting technology
Chan (2023) (ID:98493497)	The AI generation gap: Are Gen Z students more interested in adopting generative AI such as ChatGPT in teaching and learning than their Gen X and millennial generation teachers?	-Original research	-Journal article	-General education	-2023	-Higher education	-Institutional and individual adoption	-A tool for pedagogical enhancement
Chang (2024) (ID:98491565)	Facilitating nursing and health education by incorporating ChatGPT into learning designs	-Original research	-Journal article	-Nursing education	-2024	-Higher education	-Application, impact and potential	-A tool for Specialized Training and Practice
Chang (2024) (ID:98493808)	Research on the acceptance of ChatGPT among different college student groups based on latent class analysis	-Original research	-Journal article	-General education	-2024	-Higher education	-Institutional and individual adoption	-A Cross-cutting technology
Chauncey (2023) (ID:98492967)	A framework and exemplars for ethical and responsible use of AI Chatbot technology to support teaching and learning	-Original research	-Journal article	-General education	-2023	-General education	-Ethical guidelines and framework	-A tool for pedagogical enhancement -A Cross-cutting technology
Chen (2023) (ID:98493460)	Does ChatGPT Play a Double-Edged Sword Role in the Field of Higher Education? An In-Depth Exploration of the Factors Affecting Student Performance	-Original research	-Journal article	-General education	-2023	-Higher education	-Application, impact and potential	-A Cross-cutting technology
Cheng (2024) (ID:98493420)	Facilitating Student Learning With a Chatbot in an Online Math Learning Platform	-Original research	-Journal article	-Others	-2024	-Secondary	-Application, impact and potential	-A tool for pedagogical enhancement
Chergarova (2023) (ID:98491845)	Case study: exploring the role of current and potential usage of generative artificial intelligence tools in higher education	-Original research	-Journal article	-General education	-2023	-Higher education	-Institutional and individual adoption	-A tool for pedagogical enhancement -A Cross-cutting technology

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Chiu (2023) (ID:98491913)	The impact of Generative AI (GenAI) on practices, policies and research direction in education: a case of ChatGPT and Midjourney	-Original research	-Journal article	-General education	-2023	-General education	-Application, impact and potential	-A Cross-cutting technology
Ciampa (2023) (ID:98491711)	ChatGPT in education: Transforming digital literacy practices	-Original research	-Journal article	-General education	-2023	-General education	-Application, impact and potential	-A tool for pedagogical enhancement -A Cross-cutting technology
Cooper (2023) (ID:98491876)	Examining Science Education in ChatGPT: An Exploratory Study of Generative Artificial Intelligence	-Original research	-Journal article	-Science education	-2023	-Higher education	-Application, impact and potential -Institutional and individual adoption -Performance and Intelligence of GenAI	-A tool for pedagogical enhancement
Crawford (2024) (ID:98493578)	When artificial intelligence substitutes humans in higher education: the cost of loneliness, student success, and retention	-Original research	-Journal article	-General education	-2024	-Higher education	-Application, impact and potential	-A Cross-cutting technology
Cross (2023) (ID:98493727)	Transforming Medical Education: Assessing the Integration of ChatGPT Into Faculty Workflows at a Caribbean Medical School	-Original research	-Journal article	-Medical education	-2023	-Higher education	-Institutional and individual adoption	-A tool for Specialized Training and Practice
Currie (2023) (ID:98492123)	Academic integrity and artificial intelligence: is ChatGPT hype, hero or heresy?	-Opinion	-Journal article	-General education	-2023	-General education	-Ethical implication and risks -Application, impact and potential	-A tool for pedagogical enhancement -A Cross-cutting technology
Currie (2023) (ID:98493916)	Response to: ChatGPT in medical imaging higher education: Reply to Currie et al.	-Letter	-Journal article	-Medical education	-2023	-Higher education	-Ethical implication and risks -Application, impact and potential	-A tool for Specialized Training and Practice
da Silva (2024) (ID:98493595)	ChatGPT: Challenges and Benefits in Software Programming for Higher Education	-Original research	-Journal article	-Computing education	-2024	-Higher education	-Application, impact and potential	-A tool for pedagogical enhancement -A writing assistant and productive tool

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Dahri (2024) (ID:98492481)	Extended TAM based acceptance of AI-Powered ChatGPT for supporting metacognitive self-regulated learning in education: A mixed-methods study	-Original research	-Journal article	-General education	-2024	-General education	-Institutional and individual adoption	-A tool for Professional Skills and Decision-Making
Dai (2023) (ID:98492067)	Reconceptualizing ChatGPT and generative AI as a student-driven innovation in higher education	-Original research	-Journal article	-General education	-2023	-Higher education	-Application, impact and potential	-A tool for pedagogical enhancement -A Cross-cutting technology
Dai (2023) (ID:98493535)	ChatGPT and its impact on research supervision: Insights from Australian postgraduate research students	-Original research	-Journal article	-General education	-2023	-Higher education	-Application, impact and potential	-A writing assistant and productive tool
Dakakni (2023) (ID:98492173)	Artificial intelligence in the L2 classroom: Implications and challenges on ethics and equity in higher education: A 21st century Pandora's box	-Original research	-Journal article	-Language education	-2023	-Higher education	-Application, impact and potential	-A tool for pedagogical enhancement -A Cross-cutting technology -A writing assistant and productive tool
Das (2024) (ID:98493494)	Perceptions of Higher Education Students towards ChatGPT Usage	-Original research	-Journal article	-General education	-2024	-Higher education	-Perspectives and experiences	-A tool for pedagogical enhancement
Dashti (2023) (ID:98492324)	How much can we rely on artificial intelligence chatbots such as the ChatGPT software program to assist with scientific writing?	-Original research	-Journal article	-General education	-2023	-Higher education	-Performance and Intelligence of GenAI	-A tool for pedagogical enhancement -A tool for Professional Skills and Decision-Making -A writing assistant and productive tool
De Maio (2024) (ID:98493451)	Institutional responses to ChatGPT: Analysing the academic integrity policies of four public and private institutions of higher education in Australia	-Original research	-Journal article	-General education	-2024	-Higher education	-Ethical guidelines and framework -Ethical implication and risks	-A Cross-cutting technology
Dempere (2023) (ID:98493483)	The impact of ChatGPT on higher education	-Review	-Journal article	-General education	-2023	-Higher education	-Ethical implication and risks -Application, impact and potential	-A tool for pedagogical enhancement -A Cross-cutting technology

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Dergaa (2023) (ID:98491922)	From human writing to artificial intelligence generated text: examining the prospects and potential threats of ChatGPT in academic writing	-Review	-Journal article	-General education	-2023	-General education	-Ethical implication and risks -Application, impact and potential	-A Cross-cutting technology -A writing assistant and productive tool
Dianova (2023) (ID:98491795)	Discussing ChatGPT's implications for industry and higher education: The case for transdisciplinarity and digital humanities	-Commentary	-Journal article	-Others	-2023	-Higher education	-Application, impact and potential	-A Cross-cutting technology
Ding (2023) (ID:98491662)	Students' perceptions of using ChatGPT in a physics class as a virtual tutor	-Original research	-Journal article	-Physics	-2023	-Higher education	-Perspectives and experiences	-A tool for pedagogical enhancement
Divito (2024) (ID:98491668)	The tools of the future are the challenges of today: The use of ChatGPT in problem-based learning medical education	-Original research	-Journal article	-Medical education	-2024	-Higher education	-Ethical implication and risks -Application, impact and potential	-A tool for Specialized Training and Practice
Dogru (2023) (ID:98491930)	The implications of generative artificial intelligence in academic research and higher education in tourism and hospitality	-Original research	-Journal article	-Tourism education	-2023	-Higher education	-Application, impact and potential	-A Cross-cutting technology
Dubljevic (2024) (ID:98494233)	Colleges and universities are important stakeholders for regulating large language models and other emerging AI	-Original research	-Journal article	-General education		-General education	-Application, impact and potential	-A Cross-cutting technology
Duong (2023) (ID:98491729)	Applying a modified technology acceptance model to explain higher education students' usage of ChatGPT: A serial multiple mediation model with knowledge sharing as a moderator	-Original research	-Journal article	-General education	-2023	-General education	-Institutional and individual adoption	-A tool for pedagogical enhancement

Generative AI in Education and Research: A systematic mapping of published articles

Duong (2023) (ID:98493574)	How effort expectancy and performance expectancy interact to trigger higher education students' uses of ChatGPT for learning	-Original research	-Journal article	-General education	-2023	-Higher education	-Institutional and individual adoption	-A Cross-cutting technology
Dwivedi (2023) (ID:98491802)	“So what if ChatGPT wrote it?” Multidisciplinary perspectives on opportunities, challenges and implications of generative conversational AI for research, practice and policy	-Original research	-Journal article	-Multidisciplinary	-2023	-General education	-Application, impact and potential	-A Cross-cutting technology
Eager (2023) (ID:98491969)	Prompting Higher Education Towards AI-Augmented Teaching and Learning Practice	-Commentary	-Journal article	-General education	-2023	-Higher education	-Ethical implication and risks -Application, impact and potential	-A tool for pedagogical enhancement -A Cross-cutting technology
Einarsson (2024) (ID:98492667)	Application of ChatGPT for automated problem reframing across academic domains	-Original research	-Journal article	-Multidisciplinary	-2024	-Higher education	-Application, impact and potential	-A Cross-cutting technology
ElFangary (2024) (ID:98491592)	Roadmap for Generative Models Redefining Learning in Egyptian Higher Education	-Original research	-Journal article	-General education	-2024	-Higher education	-Evolution and trends	-A tool for pedagogical enhancement
Elkhodr (2023) (ID:98491984)	ICT students' perceptions towards ChatGPT: An experimental reflective lab analysis	-Original research	-Journal article	-Computing education	-2023	-Higher education	-Perspectives and experiences	-A tool for pedagogical enhancement
Ellis (2023) (ID:98491954)	A New Era of Learning: Considerations for ChatGPT as a Tool to Enhance Statistics and Data Science Education	-Original research	-Journal article	-Data science	-2023	-Higher education	-Application, impact and potential	-A tool for Professional Skills and Decision-Making
Elnagar (2024) (ID:98492178)	ChatGPT and Dental Education: Opportunities and Challenges	-Opinion	-Journal article	-Medical education	-2024	-Higher education	-Application, impact and potential	-A tool for Specialized Training and Practice
ElSayary (2023) (ID:98493416)	An investigation of teachers' perceptions of using ChatGPT as a supporting tool for teaching and learning in the digital era	-Original research	-Journal article	-General education	-2023	-General education	-Perspectives and experiences	-A tool for pedagogical enhancement -A Cross-cutting technology

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Esplugas (2023) (ID:98491708)	The use of artificial intelligence (AI) to enhance academic communication, education and research: a balanced approach	-Original research	-Journal article	-General education	-2023	-General education	-Application, impact and potential	-A tool for pedagogical enhancement
Essel (2024) (ID:98492963)	ChatGPT effects on cognitive skills of undergraduate students: Receiving instant responses from AI-based conversational large language models (LLMs)	-Original research	-Journal article	-General education	-2024	-General education	-Application, impact and potential -Performance and Intelligence of GenAI	-A tool for pedagogical enhancement -A Cross-cutting technology
Essien (2024) (ID:98491528)	The influence of AI text generators on critical thinking skills in UK business schools	-Original research	-Journal article	-Business education	-2024	-Higher education	-Application, impact and potential	-A tool for Professional Skills and Decision-Making
Eysenbach (2023) (ID:98491967)	The Role of ChatGPT, Generative Language Models, and Artificial Intelligence in Medical Education: A Conversation With ChatGPT and a Call for Papers	-Discussion	-Journal article	-Medical education	-2023	-Higher education	-Ethical implication and risks -Application, impact and potential	-A tool for Specialized Training and Practice
Farazouli (2023) (ID:98493634)	Hello GPT! Goodbye home examination? An exploratory study of AI chatbots impact on university teachers' assessment practices	-Original research	-Journal article	-General education	-2023	-Higher education	-Application, impact and potential	-A tool for pedagogical enhancement -A Cross-cutting technology
Farhi (2023) (ID:98492579)	Analyzing the students' views, concerns, and perceived ethics about chat GPT usage	-Original research	-Journal article	-General education	-2023	-Higher education	-Application, impact and potential -Perspectives and experiences	-A tool for pedagogical enhancement -A Cross-cutting technology
Farrelly (2023) (ID:98491688)	Generative Artificial Intelligence: Implications and Considerations for Higher Education Practice	-Original research	-Journal article	-General education	-2023	-Higher education	-Application, impact and potential	-A tool for pedagogical enhancement
Farrokhnia (2023) (ID:98493671)	A SWOT analysis of ChatGPT: Implications for educational practice and research	-Original research	-Journal article	-General education	-2023	-General education	-Application, impact and potential	-A tool for pedagogical enhancement -A Cross-cutting technology
Fecher (2023) (ID:98494029)	Friend or foe? Exploring the implications of large language models on the science system	-Original research	-Journal article	-General education	-2023	-General education	-Application, impact and potential	-A tool for pedagogical enhancement -A Cross-cutting technology

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Feng (2023) (ID:98494069)	ChatGPT and the Future of Medical Education	-Opinion	-Journal article	-Medical education	-2023	-Higher education	-Ethical implication and risks -Application, impact and potential	-A tool for Specialized Training and Practice
Feng (2024) (ID:98494066)	After one year of ChatGPT's launch: reflections on artificial intelligence in scientific writing	-Original research	-Journal article	-General education	-2024	-General education	-Ethical implication and risks -Application, impact and potential	-A writing assistant and productive tool
Feser (2024) (ID:98493438)	PARENTS'VIEWS ON THE USE OF AI-BASED CHATBOTS SUCH AS CHATGPT IN HIGH SCHOOL (STEM) EDUCATION	-Original research	-Journal article	-General education	-2024	-Higher education	-Perspectives and experiences	-A tool for pedagogical enhancement -A Cross-cutting technology
Fiialka (2023) (ID:98491949)	ChatGPT in Ukrainian Education: Problems and Prospects	-Original research	-Journal article	-General education	-2023	-General education	-Application, impact and potential	-A tool for pedagogical enhancement
Folastri (2023) (ID:98494008)	ChatGPT educates college students about sexual violence and its impact on their mental health: a proposal	-Original research	-Journal article	-General education	-2023	-Higher education	-Application, impact and potential -Performance and Intelligence of GenAI	-A tool for Specialized Training and Practice
Gallent-Torres (2023) (ID:98491823)	The impact of Generative Artificial Intelligence in higher education: a focus on ethics and academic integrity	-Original research	-Journal article	-General education	-2023	-Higher education	-Ethical implication and risks -Application, impact and potential	-A tool for pedagogical enhancement -A Cross-cutting technology
García-Peñalvo (2024) (ID:98491607)	The new reality of education in the face of advances in generative artificial intelligence	-Original research	-Journal article	-General education	-2024	-General education	-Ethical implication and risks -Application, impact and potential	-A tool for pedagogical enhancement -A Cross-cutting technology
Gilbert (2024) (ID:98493885)	Generative AI and generative education	-Opinion	-Journal article	-General education	-2024	-General education	-Application, impact and potential	-A tool for pedagogical enhancement
Goktas (2024) (ID:98492440)	Utilizing GPT 4.0 with prompt learning in nursing education: A case study approach based on Benner's theory	-Original research	-Journal article	-Nursing education	-2024	-Higher education	-Ethical implication and risks -Application, impact and potential	-A tool for Specialized Training and Practice

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Gong (2023) (ID:98491837)	The Impact of Generative AI like ChatGPT on Digital Literacy Education in University Libraries	-Original research	-Journal article	-General education	-2023	-Higher education	-Application, impact and potential	-A tool for pedagogical enhancement -A Cross-cutting technology
Gosak (2024) (ID:98491582)	The ChatGPT effect and transforming nursing education with generative AI: Discussion paper	-Discussion	-Journal article	-Nursing education	-2024	-Higher education	-Application, impact and potential	-A tool for Specialized Training and Practice
Grassini (2023) (ID:98491799)	Shaping the Future of Education: Exploring the Potential and Consequences of AI and ChatGPT in Educational Settings	-Opinion	-Journal article	-General education	-2023	-General education	-Application, impact and potential	-A tool for pedagogical enhancement -A Cross-cutting technology
Guha (2024) (ID:98491499)	Generative AI and Marketing Education: What the Future Holds	-Original research	-Journal article	-Others	-2024	-Higher education	-Application, impact and potential	-A tool for Professional Skills and Decision-Making
Guo (2022) (ID:98492784)	Using chatbots to scaffold EFL students' argumentative writing	-Original research	-Journal article	-Language education	-2022	-Higher education	-Application, impact and potential	-A writing assistant and productive tool
Guo (2023) (ID:98493664)	Leveraging ChatGPT for Enhancing Critical Thinking Skills	-Original research	-Journal article	-Chemistry education	-2023	-Higher education	-Application, impact and potential	-A tool for pedagogical enhancement -A tool for Professional Skills and Decision-Making
Guo (2023) (ID:98493751)	To resist it or to embrace it? Examining ChatGPT's potential to support teacher feedback in EFL writing	-Original research	-Journal article	-Language education	-2023	-Higher education	-Application, impact and potential	-A writing assistant and productive tool
Guo (2023) (ID:98493933)	Understanding EFL students' chatbot-assisted argumentative writing: An activity theory perspective	-Original research	-Journal article	-Language education	-2023	-Higher education	-Application, impact and potential	-A writing assistant and productive tool
Ha (2023) (ID:98491762)	Exploring the Practical Applications of Chat GPT for Simulation Teaching by Preservice Physics Teachers	-Original research	-Journal article	-Physics education	-2023	-Higher education	-Application, impact and potential -Institutional and individual adoption	-A tool for Specialized Training and Practice

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Habib (2024) (ID:98491423)	How does generative artificial intelligence impact student creativity?	-Original research	-Journal article	-General education	-2024	-General education	-Application, impact and potential	-A tool for pedagogical enhancement
Habibi (2023) (ID:98492613)	ChatGPT in higher education learning: Acceptance and use	-Original research	-Journal article	-General education	-2023	-Higher education	-Institutional and individual adoption	-A tool for pedagogical enhancement -A Cross-cutting technology
Hadi (2024) (ID:98492394)	ChatGPT in education: A blessing or a curse? A qualitative study exploring early adopters' utilization and perceptions	-Original research	-Journal article	-General education	-2024	-General education	-Perspectives and experiences	-A Cross-cutting technology
Hai-Jew (2023) (ID:98491612)	Generative AI in teaching and learning	-Original research	-Book chapter	-General education	-2023	-General education	-Application, impact and potential	-A tool for pedagogical enhancement
Haindl (2024) (ID:98491542)	Students' Experiences of Using ChatGPT in an Undergraduate Programming Course	-Original research	-Journal article	-Computing education	-2024	-Higher education	-Perspectives and experiences	-A tool for pedagogical enhancement -A tool for Professional Skills and Decision-Making
Hall (2024) (ID:98493567)	An early or somewhat late ChatGPT guide for librarians	-Original research	-Journal article	-Others	-2024	-General education	-Ethical implication and risks -Application, impact and potential	-A tool for Specialized Training and Practice
Hallal (2023) (ID:98492860)	Exploring the potential of AI-Chatbots in organic chemistry: An assessment of ChatGPT and Bard	-Original research	-Journal article	-Chemistry education	-2023	-Higher education	-Performance and Intelligence of GenAI	-A tool for pedagogical enhancement -A Cross-cutting technology
Hamid (2023) (ID:98492664)	Exploratory study on student perception on the use of chat AI in process-driven problem-based learning	-Original research	-Journal article	-General education	-2023	-Higher education	-Application, impact and potential	-A tool for pedagogical enhancement -A Cross-cutting technology
Han (2023) (ID:98493511)	RECIPE: How to Integrate ChatGPT into EFLWriting Education	-Original research	-Conference	-Language education	-2023	-Higher education	-Ethical guidelines and framework	-A writing assistant and productive tool
Hasanein (2023) (ID:98493488)	Drivers and Consequences of ChatGPT Use in Higher Education: Key Stakeholder Perspectives	-Original research	-Journal article	-General education	-2023	-Higher education	-Institutional and individual adoption -Perspectives and experiences	-A Cross-cutting technology

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Hays (2024) (ID:98493482)	ChatGPT in K-12 Education	-Original research	-Journal article	-Early childhood education	-2024	-Elementary	-Application, impact and potential	-A tool for pedagogical enhancement
Heng (2023) (ID:98491777)	The impact of Chat Generative Pre-trained Transformer (ChatGPT) on medical education	-Original research	-Journal article	-Medical education	-2023	-Higher education	-Application, impact and potential	-A tool for Specialized Training and Practice
Hew (2023) (ID:98493908)	Using chatbots to support student goal setting and social presence in fully online activities: learner engagement and perceptions	-Original research	-Journal article	-General education	-2023	-Higher education	-Application, impact and potential	-A Cross-cutting technology
Hidayat-ur-Rehman (2023) (ID:98491827)	Exploring factors influencing educators' adoption of ChatGPT: a mixed method approach	-Original research	-Journal article	-General education	-2023	-General education	-Institutional and individual adoption	-A tool for pedagogical enhancement
Hmoud (2024) (ID:98491698)	Higher Education Students' Task Motivation in the Generative Artificial Intelligence Context: The Case of ChatGPT	-Original research	-Journal article	-General education	-2024	-Higher education	-Perspectives and experiences	-A Cross-cutting technology
Houston (2023) (ID:98493513)	Embracing ChatGPT: Implications of Emergent Language Models for Academia and Libraries	-Original research	-Journal article	-General education	-2023	-General education	-Application, impact and potential	-A tool for Specialized Training and Practice
Hsu (2023) (ID:98491794)	Generative Artificial Intelligence in Education, Part Two: International Perspectives	-Original research	-Journal article	-General education	-2023	-General education	-Ethical guidelines and framework	-A tool for pedagogical enhancement
Huber (2024) (ID:98491494)	Leveraging the Potential of Large Language Models in Education Through Playful and Game-Based Learning	-Opinion	-Journal article	-General education	-2024	-General education	-Application, impact and potential	-A tool for pedagogical enhancement
Humphry (2023) (ID:98493700)	Potential ChatGPT Use in Undergraduate Chemistry Laboratories	-Original research	-Journal article	-Chemistry education	-2023	-Higher education	-Application, impact and potential	-A tool for pedagogical enhancement -A tool for Specialized Training and Practice

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Hwang (2023) (ID:98491912)	Editorial Position Paper: Exploring the Potential of Generative Artificial Intelligence in Education: Applications, Challenges, and Future Research Directions	-Editorial	-Journal article	-General education	-2023	-General education	-Application, impact and potential	-A tool for pedagogical enhancement -A Cross-cutting technology
Ilieva (2023) (ID:98491728)	Effects of Generative Chatbots in Higher Education	-Original research	-Journal article	-General education	-2023	-General education	-Application, impact and potential	-A tool for pedagogical enhancement -A Cross-cutting technology
Imran (2023) (ID:98493611)	Analyzing the role of ChatGPT as a writing assistant at higher education level: A systematic review of the literature	-Review	-Journal article	-General education	-2023	-General education	-Ethical implication and risks -Application, impact and potential -Evolution and trends	-A Cross-cutting technology -A writing assistant and productive tool
Indran (2023) (ID:98491847)	Twelve tips to leverage AI for efficient and effective medical question generation: A guide for educators using Chat GPT	-Original research	-Journal article	-Medical education	-2023	-Higher education	-Ethical guidelines and framework -Performance and Intelligence of GenAI	-A tool for Specialized Training and Practice
Ironsi (2023) (ID:98491618)	Exploring the potential of generative AI in english language teaching	-Original research	-Book chapter	-Language education	-2023	-Higher education	-Ethical implication and risks -Application, impact and potential	-A tool for pedagogical enhancement
Ivakhnenko (2023) (ID:98491960)	ChatGPT in Higher Education and Science: a Threat or a Valuable Resource?	-Editorial	-Journal article	-General education	-2023	-Higher education	-Ethical implication and risks -Application, impact and potential	-A tool for pedagogical enhancement -A Cross-cutting technology
Ivanov (2023) (ID:98491818)	Game of algorithms: ChatGPT implications for the future of tourism education and research	-Opinion -Discussion	-Journal article	-Tourism education	-2023	-Higher education	-Ethical implication and risks -Application, impact and potential	-A tool for pedagogical enhancement

Generative AI in Education and Research: A systematic mapping of published articles

Ivanov (2024) (ID:98491497)	Drivers of generative AI adoption in higher education through the lens of the Theory of Planned Behaviour	-Original research	-Journal article	-General education	-2024	-Higher education	-Institutional and individual adoption	-A Cross-cutting technology
Jaboob (2024) (ID:98491614)	Integration of Generative AI Techniques and Applications in Student Behavior and Cognitive Achievement in Arab Higher Education	-Original research	-Journal article	-General education	-2024	-Higher education	-Application, impact and potential	-A tool for pedagogical enhancement
Jarrah (2023) (ID:98493709)	Using ChatGPT in academic writing is (not) a form of plagiarism: What does the literature say?	-Review	-Journal article	-General education	-2023	-General education	-Ethical implication and risks -Application, impact and potential	-A writing assistant and productive tool
Jauhiainen (2023) (ID:98491727)	Generative AI and ChatGPT in School Children's Education: Evidence from a School Lesson	-Original research	-Journal article	-General education	-2023	-Elementary	-Application, impact and potential -Performance and Intelligence of GenAI	-A tool for pedagogical enhancement
Javaid (2023) (ID:98492647)	Unlocking the opportunities through ChatGPT Tool towards ameliorating the education system	-Original research	-Journal article	-General education	-2023	-General education	-Application, impact and potential	-A tool for pedagogical enhancement
Jeon (2023) (ID:98491702)	Large language models in education: A focus on the complementary relationship between human teachers and ChatGPT	-Original research	-Journal article	-Language education	-2023	-Higher education	-Application, impact and potential -Performance and Intelligence of GenAI	-A tool for pedagogical enhancement -A Cross-cutting technology
Ji (2023) (ID:98493846)	The Effectiveness of ChatGPT on Pre-service Teachers' STEM Teaching Literacy, Learning Performance and Cognitive Load in STEM Teacher Training Courses	-Original research	-Conference	-STEM	-2023	-Higher education	-Application, impact and potential	-A Cross-cutting technology
Johnson (2024) (ID:98492433)	Using ChatGPT-generated essays in library instruction	-Original research	-Journal article	-Others	-2024	-Higher education	-Application, impact and potential	-A tool for pedagogical enhancement

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Johnston (2024) (ID:98491496)	Student perspectives on the use of generative artificial intelligence technologies in higher education	-Original research	-Journal article	-General education	-2024	-Higher education	-Perspectives and experiences	-A tool for pedagogical enhancement -A writing assistant and productive tool
Joshi (2024) (ID:98493778)	ChatGPT in the Classroom: An Analysis of Its Strengths and Weaknesses for Solving Undergraduate Computer Science Questions	-Original research	-Journal article	- Computing/Engineering	-2024	-Higher education	-Application, impact and potential -Performance and Intelligence of GenAI	-A tool for Specialized Training and Practice -A writing assistant and productive tool
Jowsey (2023) (ID:98491689)	Medical education empowered by generative artificial intelligence large language models	-Original research	-Journal article	-Medical education	-2023	-Higher education	-Ethical guidelines and framework	-A tool for Specialized Training and Practice
Jukiewicz (2024) (ID:98492648)	The future of grading programming assignments in education: The role of ChatGPT in automating the assessment and feedback process	-Original research	-Journal article	-Computing education	-2024	-Higher education	-Application, impact and potential -Performance and Intelligence of GenAI	-A writing assistant and productive tool
Kamoun (2024) (ID:98493782)	EXPLORING STUDENTS' AND FACULTY'S KNOWLEDGE, ATTITUDES, AND PERCEPTIONS TOWARDS CHATGPT: A CROSS-SECTIONAL EMPIRICAL STUDY	-Original research	-Journal article	-General education	-2024	-Higher education	-Attitude, awareness, and motivation -Perspectives and experiences	-A tool for pedagogical enhancement
Kaplan-Rakowski (2023) (ID:98491834)	Generative AI and Teachers' Perspectives on Its Implementation in Education	-Original research	-Journal article	-General education	-2023	-General education	-Perspectives and experiences	-A tool for pedagogical enhancement
Karabacak (2023) (ID:98491936)	The Advent of Generative Language Models in Medical Education	-Original research	-Journal article	-Medical education	-2023	-Higher education	-Ethical guidelines and framework -Ethical implication and risks -Application, impact and potential	-A tool for Specialized Training and Practice
Kavadella (2024) (ID:98493753)	Evaluation of ChatGPT's Real-Life Implementation in Undergraduate Dental Education: Mixed Methods Study	-Original research	-Journal article	-Medical education	-2024	-Higher education	-Performance and Intelligence of GenAI	-A tool for Specialized Training and Practice

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Kayali (2023) (ID:98493538)	Investigation of student experiences with ChatGPT-supported online learning applications in higher education	-Original research	-Journal article	-General education	-2023	-Higher education	-Perspectives and experiences	-A tool for pedagogical enhancement
Kebble (2023) (ID:98493496)	A Chat with ChatGPT: The potential impact of Generative AI in higher education learning, teaching and assessment, with specific reference to EAL/D students	-Commentary	-Journal article	-Language education	-2023	-Higher education	-Perspectives and experiences	-A tool for pedagogical enhancement
Keiper (2023) (ID:98493630)	Artificial intelligence in sport management education: Playing the AI game with ChatGPT	-Original research	-Journal article	-Others	-2023	-Higher education	-Performance and Intelligence of GenAI	-A writing assistant and productive tool
Kelly (2023) (ID:98491752)	Generative artificial intelligence: University student awareness, experience, and confidence in use across disciplines	-Original research	-Journal article	-General education	-2023	-Higher education	-Attitude, awareness, and motivation -Perspectives and experiences	-A tool for pedagogical enhancement -A Cross-cutting technology
Kenwright (2023) (ID:98491640)	Is it the end of undergraduate dissertations? Exploring the advantages and challenges of generative AI models in education	-Original research	-Journal article	-General education	-2023	-Higher education	-Application, impact and potential	-A tool for pedagogical enhancement -A Cross-cutting technology
Khalifa (2024) (ID:98492132)	Using artificial intelligence in academic writing and research: An essential productivity tool	-Review	-Journal article	-General education	-2024	-General education	-Application, impact and potential	-A writing assistant and productive tool
Khan (2023) (ID:98494067)	AI at Doorstep: ChatGPT and Academia	-Editorial	-Journal article	-General education	-2023	-General education	-Ethical implication and risks -Application, impact and potential	-A tool for pedagogical enhancement -A Cross-cutting technology
Khuibut (2023) (ID:98493396)	Integrating ChatGPT into Synectics Model to Improve High School Student's Creative Writing Skill	-Original research	-Conference	-Others	-2023	-Secondary	-Application, impact and potential	-A writing assistant and productive tool

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Killian (2023) (ID:98493828)	"Knock, Knock ... Who's There?" ChatGPT and Artificial Intelligence-Powered Large Language Models: Reflections on Potential Impacts Within Health and Physical Education Teacher Education ...	-Opinion	-Journal article	-Physical and Health education	-2023	-Higher education	-Ethical implication and risks -Application, impact and potential	-A tool for pedagogical enhancement -A Cross-cutting technology
Kim (2023) (ID:98491833)	Application of artificial intelligence chatbots, including ChatGPT, in education, scholarly work, programming, and content generation and its prospects: a narrative review	-Review	-Journal article	-General education	-2023	-General education	-Ethical implication and risks -Application, impact and potential	-A tool for pedagogical enhancement -A Cross-cutting technology -A writing assistant and productive tool
Kim (2023) (ID:98491879)	A Framework to Overcome the Dark Side of Generative Artificial Intelligence (GAI) Like ChatGPT in Social Media and Education	-Original research	-Journal article	-Others	-2023	-Higher education	-Ethical guidelines and framework	-A Cross-cutting technology
Kim (2023) (ID:98492521)	ChatGPT and large language model (LLM) chatbots: The current state of acceptability and a proposal for guidelines on utilization in academic medicine	-Review	-Journal article	-General education	-2023	-General education	-Ethical guidelines and framework -Evolution and trends	-A Cross-cutting technology
Kim (2024) (ID:98491514)	Generative Artificial Intelligence in Collaborative Ideation: Educational Insight from Fashion Students	-Original research	-Journal article	-General education	-2024	-Higher education	-Application, impact and potential	-A tool for Professional Skills and Decision-Making
King (2024) (ID:98491448)	Incorporation of ChatGPT and Other Large Language Models into a Graduate Level Computational Bioengineering Course	-Original research	-Journal article	- Computing/Engineering	-2024	-General education	-Application, impact and potential	-A tool for pedagogical enhancement -A Cross-cutting technology
Kirwan (2023) (ID:98493798)	ChatGPT and university teaching, learning and assessment: some initial reflections on teaching academic integrity in the age of Large Language Models	-Original research	-Journal article	-General education	-2023	-General education	-Ethical guidelines and framework -Ethical implication and risks -Perspectives and experiences	-A tool for pedagogical enhancement -A Cross-cutting technology

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Kohnke (2023) (ID:98491942)	Exploring generative artificial intelligence preparedness among university language instructors: A case study	-Original research	-Journal article	-Language education	-2023	-Higher education	-Attitude, awareness, and motivation -Ethical guidelines and framework	-A tool for pedagogical enhancement
Kolade (2024) (ID:98491436)	Is AI changing learning and assessment as we know it? Evidence from a ChatGPT experiment and a conceptual framework	-Original research	-Journal article	-General education	-2024	-General education	-Ethical implication and risks -Performance and Intelligence of GenAI	-A writing assistant and productive tool
Kong (2023) (ID:98494016)	Complementary role of large language models in educating undergraduate design of distillation column: Methodology development	-Original research	-Journal article	- Computing/Engineering	-2023	-Higher education	-Application, impact and potential	-A tool for pedagogical enhancement
Koo (2023) (ID:98492747)	Harnessing the potential of chatbots in education: The need for guidelines to their ethical use	-Letter	-Journal article	-Nursing education	-2023	-Higher education	-Ethical guidelines and framework -Ethical implication and risks	-A tool for Specialized Training and Practice
Kosar (2024) (ID:98493861)	Computer Science Education in ChatGPT Era: Experiences from an Experiment in a Programming Course for Novice Programmers	-Original research	-Journal article	-Computing education	-2024	-Higher education	-Application, impact and potential -Perspectives and experiences	-A tool for pedagogical enhancement -A Cross-cutting technology -A writing assistant and productive tool
Kshetri (2024) (ID:98492071)	The academic industry's response to generative artificial intelligence: An institutional analysis of large language models	-Original research	-Journal article	-General education	-2024	-Higher education	-Institutional and individual adoption -Perspectives and experiences	-A Cross-cutting technology
Kuhail (2024) (ID:98492936)	"Will I be replaced?" Assessing ChatGPT's effect on software development and programmer perceptions of AI tools	-Original research	-Journal article	-Computing education	-2024	-Higher education	-Application, impact and potential -Perspectives and experiences	-A tool for pedagogical enhancement -A writing assistant and productive tool
Laato (2023) (ID:98493503)	AI-assisted Learning with ChatGPT and Large Language Models: Implications for Higher Education	-Original research	-Journal article	-General education	-2023	-Higher education	-Application, impact and potential -Performance and Intelligence of GenAI	-A tool for pedagogical enhancement

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Lacey (2023) (ID:98491785)	Teaching and assessment of the future today: higher education and AI	-Original research	-Journal article	-General education	-2023	-Higher education	-Application, impact and potential	-A tool for pedagogical enhancement
Lai (2023) (ID:98493110)	Exploring the role of intrinsic motivation in ChatGPT adoption to support active learning: An extension of the technology acceptance model	-Original research	-Journal article	-General education	-2023	-Higher education	-Attitude, awareness, and motivation -Institutional and individual adoption	-A Cross-cutting technology
Lan (2024) (ID:98491666)	Teachers' agency in the era of LLM and generative AI: Designing pedagogical AI agents	-Original research	-Journal article	-General education	-2024	-General education	-Ethical guidelines and framework	-A Cross-cutting technology
Law (2024) (ID:98492064)	Application of generative artificial intelligence (GenAI) in language teaching and learning: A scoping literature review	-Review	-Journal article	-General education	-2024	-General education	-Application, impact and potential	-A Cross-cutting technology
Lee (2023) (ID:98491659)	Designs and practices using generative AI for sustainable student discourse and knowledge creation	-Original research	-Journal article	-General education	-2023	-General education	-Ethical guidelines and framework	-A tool for pedagogical enhancement -A tool for Specialized Training and Practice
Lee (2023) (ID:98493735)	Using ChatGPT as a Learning Tool in Acupuncture Education: Comparative Study	-Original research	-Journal article	-Medical education	-2023	-Higher education	-Application, impact and potential	-A tool for Specialized Training and Practice
Lee (2024) (ID:98491453)	The impact of generative AI on higher education learning and teaching: A study of educators' perspectives	-Original research	-Journal article	-General education	-2024	-Higher education	-Application, impact and potential -Perspectives and experiences	-A tool for pedagogical enhancement -A Cross-cutting technology
Leng (2024) (ID:98493746)	Challenge, integration, and change: ChatGPT and future anatomical education	-Original research	-Journal article	-Medical education	-2024	-Higher education	-Application, impact and potential	-A tool for Specialized Training and Practice -A Cross-cutting technology
Li (2022) (ID:98493521)	AI Intelligence Chatbot to Improve Students Learning in the Higher Education Platform	-Original research	-Journal article	-General education	-2022	-Higher education	-Application, impact and potential	-A tool for pedagogical enhancement

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Li (2023) (ID:98491634)	Empowering Chinese Language Learners from Low-Income Families to Improve Their Chinese Writing with ChatGPT's Assistance Afterschool	-Original research	-Journal article	-Language education	-2023	-Higher education	-Application, impact and potential	-A writing assistant and productive tool
Li (2023) (ID:98491882)	Effects of a ChatGPT-based flipped learning guiding approach on learners' courseware project performances and perceptions	-Original research	-Journal article	-General education	-2023	-Secondary	-Application, impact and potential	-A writing assistant and productive tool
Li (2023) (ID:98493710)	ChatGPT in education: a discourse analysis of worries and concerns on social media	-Original research	-Journal article	-General education	-2023	-General education	-Perspectives and experiences	-A Cross-cutting technology
Li (2023) (ID:98493720)	The Empowerment and Impact of ChatGPT Technology on Foreign Language Education in Colleges and Universities	-Original research	-Conference	-Language education	-2023	-Higher education	-Perspectives and experiences	-A tool for pedagogical enhancement -A writing assistant and productive tool
Li (2024) (ID:98491406)	Generative artificial intelligence in medical education: way to solve the problems	-Letter	-Journal article	-Medical education	-2024	-Higher education	-Ethical implication and risks -Application, impact and potential	-A tool for pedagogical enhancement -A tool for Specialized Training and Practice
Liang (2023) (ID:98493407)	Exploring the potential of using ChatGPT in physics education	-Original research	-Journal article	-Physics education	-2023	-Higher education	-Application, impact and potential -Performance and Intelligence of GenAI	-A tool for pedagogical enhancement
Lim (2023) (ID:98491880)	Generative AI and the future of education: Ragnarök or reformation? A paradoxical perspective from management educators	-Review	-Journal article	-Management education	-2023	-Higher education	-Ethical guidelines and framework -Ethical implication and risks -Application, impact and potential	-A tool for Professional Skills and Decision-Making -A Cross-cutting technology
Lin (2023) (ID:98491713)	Why and how to embrace AI such as ChatGPT in your academic life	-Original research	-Journal article	-General education	-2023	-General education	-Ethical guidelines and framework	-A Cross-cutting technology

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Linda (2024) (ID:98491600)	A state-of-the-art review on the implications of ChatGPT in educational practices and research	-Review	-Journal article	-General education	-2024	-General education	-Ethical implication and risks -Application, impact and potential	-A Cross-cutting technology
Liu (2023) (ID:98491717)	The application of Chat Generative Pre-trained Transformer in nursing education	-Original research	-Journal article	-Nursing education	-2023	-Higher education	-Ethical implication and risks -Application, impact and potential	-A tool for Specialized Training and Practice
Liu (2024) (ID:98492076)	Investigating students' cognitive processes in generative AI-assisted digital multimodal composing and traditional writing	-Original research	-Journal article	-Language education	-2024	-Higher education	-Application, impact and potential	-A writing assistant and productive tool
Liu (2024) (ID:98493430)	Analysis of a chatbot as a dialogic reading facilitator: its influence on learning interest and learner interactions	-Original research	-Journal article	-General education	-2024	-General education	-Application, impact and potential	-A tool for pedagogical enhancement
Liu (2024) (ID:98493599)	A bibliometric analysis of generative AI in education: current status and development	-Review	-Journal article	-General education	-2024	-General education	-Application, impact and potential -Evolution and trends	-A Cross-cutting technology
Liu (2024) (ID:98493927)	What to consider before incorporating generative AI into schools?	-Opinion	-Journal article	-Geography education	-2024	-General education	-Ethical guidelines and framework	-A Cross-cutting technology
Liu (2024) (ID:98494279)	Beyond Traditional Teaching: Large Language Models as Simulated Teaching Assistants in Computer Science	-Original research	-Conference	- Computing/Engineering	-2024	-Higher education	-Application, impact and potential -Performance and Intelligence of GenAI	-A tool for Specialized Training and Practice -A writing assistant and productive tool
Livberber (2023) (ID:98492257)	The impact of Artificial Intelligence in academia: Views of Turkish academics on ChatGPT	-Original research	-Journal article	-General education	-2023	-Higher education	-Perspectives and experiences	-A tool for pedagogical enhancement -A Cross-cutting technology

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Lodge (2023) (ID:98491919)	Mapping out a research agenda for generative artificial intelligence in tertiary education	-Editorial	-Journal article	-General education	-2023	-Higher education	-Application, impact and potential	-A Cross-cutting technology
López-Chila (2024) (ID:98493625)	Artificial Intelligence in Higher Education: An Analysis of Existing Bibliometrics	-Review	-Journal article	-General education	-2024	-General education	-Evolution and trends	-A tool for pedagogical enhancement -A Cross-cutting technology
Lozano (2023) (ID:98491738)	Is the Education System Prepared for the Irruption of Artificial Intelligence? A Study on the Perceptions of Students of Primary Education Degree from a Dual Perspective: Current Pupils and Future Teachers	-Original research	-Journal article	-Primary education	-2023	-Higher education	-Perspectives and experiences	-A tool for pedagogical enhancement
Lu (2024) (ID:98493644)	Can ChatGPT effectively complement teacher assessment of undergraduate students' academic writing?	-Original research	-Journal article	-General education	-2024	-Higher education	-Application, impact and potential -Performance and Intelligence of GenAI	-A tool for pedagogical enhancement -A writing assistant and productive tool
Luke (2024) (ID:98491664)	Is ChatGPT 'ready' to be a learning tool for medical undergraduates and will it perform equally in different subjects? Comparative study of ChatGPT performance in tutorial and case-based learning questions in physiology and biochemistry	-Original research	-Journal article	-Medical education	-2024	-Higher education	-Performance and Intelligence of GenAI	-A tool for pedagogical enhancement -A tool for Specialized Training and Practice
Luo (2023) (ID:98493834)	College Students' Employability, Cognition, and Demands for ChatGPT in the AI Era Among Chinese Nursing Students: Web-Based Survey	-Original research	-Journal article	-Nursing education	-2023	-Higher education	-Institutional and individual adoption	-A tool for Specialized Training and Practice -A Cross-cutting technology
Luo (2024) (ID:98493453)	A critical review of GenAI policies in higher education assessment: a call to reconsider the "originality" of students' work	-Review	-Journal article	-General education	-2024	-Higher education	-Ethical guidelines and framework	-A Cross-cutting technology

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Mahapatra (2024) (ID:98493632)	Impact of ChatGPT on ESL students' academic writing skills: a mixed methods intervention study	-Original research	-Journal article	-Language education	-2024	-Higher education	-Application, impact and potential	-A writing assistant and productive tool
Mahboob (2023) (ID:98491673)	Leveraging generative AI for cross-cultural knowledge exchange in higher education	-Original research	-Book chapter	-General education	-2023	-Higher education	-Application, impact and potential	-A Cross-cutting technology
Maheshwari (2023) (ID:98493563)	Factors influencing students' intention to adopt and use ChatGPT in higher education: A study in the Vietnamese context	-Original research	-Journal article	-General education	-2023	-Higher education	-Institutional and individual adoption	-A tool for pedagogical enhancement -A Cross-cutting technology
Malinka (2023) (ID:98493758)	On the Educational Impact of ChatGPT: Is Artificial Intelligence Ready to Obtain a University Degree?	-Original research	-Conference	- Computing/Engineering	-2023	-Higher education	-Application, impact and potential -Performance and Intelligence of GenAI	-A Cross-cutting technology
Mao (2024) (ID:98491696)	Generative Artificial Intelligence in Education and Its Implications for Assessment	-Original research	-Journal article	-General education	-2024	-General education	-Application, impact and potential	-A tool for pedagogical enhancement -A Cross-cutting technology
Masa'deh (2024) (ID:98491457)	Antecedents of adoption and usage of ChatGPT among Jordanian university students: Empirical study	-Original research	-Journal article	-General education	-2024	-Higher education	-Institutional and individual adoption	-A Cross-cutting technology
Matthews (2023) (ID:98491900)	Academics' perceptions of ChatGPT-generated written outputs: A practical application of Turing's Imitation Game	-Original research	-Journal article	-General education	-2023	-Higher education	-Perspectives and experiences	-A writing assistant and productive tool
Megahed (2024) (ID:98491616)	How generative AI models such as ChatGPT can be (mis)used in SPC practice, education, and research? An exploratory study	-Original research	-Journal article	- Computing/Engineering	-2024	-Higher education	-Application, impact and potential -Performance and Intelligence of GenAI	-A tool for pedagogical enhancement -A writing assistant and productive tool
Memarian (2023) (ID:98492544)	ChatGPT in education: Methods, potentials, and limitations	-Review	-Journal article	-General education	-2023	-General education	-Application, impact and potential	-A tool for pedagogical enhancement -A Cross-cutting technology

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Mendiola (2024) (ID:98491544)	The dark side of generative artificial intelligence in medical education: Should we be worried?	-Editorial	-Journal article	-Medical education	-2024	-Higher education	-Ethical implication and risks -Application, impact and potential	-A tool for Specialized Training and Practice
Meron (2023) (ID:98493610)	Artificial intelligence in design education: evaluating ChatGPT as a virtual colleague for post-graduate course development	-Original research	-Journal article	-General education	-2023	-Higher education	-Application, impact and potential -Performance and Intelligence of GenAI	-A writing assistant and productive tool
Michel-Villarreal (2023) (ID:98491783)	Challenges and Opportunities of Generative AI for Higher Education as Explained by ChatGPT	-Original research	-Journal article	-General education	-2023	-Higher education	-Application, impact and potential	-A tool for pedagogical enhancement -A Cross-cutting technology
Milana (2024) (ID:98493576)	Artificial intelligence (AI), conversational agents, and generative AI: implications for adult education practice and research	-Editorial	-Journal article	-General education	-2024	-General education	-Application, impact and potential	-A Cross-cutting technology -A writing assistant and productive tool
Mishra (2024) (ID:98491475)	Generative AI, Teacher Knowledge and Educational Research: Bridging Short- and Long-Term Perspectives	-Original research	-Journal article	-General education	-2024	-General education	-Application, impact and potential	-A Cross-cutting technology
Mohamed (2024) (ID:98493680)	Exploring the potential of an AI-based Chatbot (ChatGPT) in enhancing English as a Foreign Language (EFL) teaching: perceptions of EFL Faculty Members	-Original research	-Journal article	-Language education	-2024	-Higher education	-Perspectives and experiences	-A tool for pedagogical enhancement -A writing assistant and productive tool
Monteiro (2024) (ID:98493500)	ChatGPT in Brazilian K-12 science education	-Original research	-Journal article	-Early childhood education	-2024	-Early childhood education	-Perspectives and experiences	-A tool for pedagogical enhancement
Moorhouse (2023) (ID:98492054)	Generative AI tools and assessment: Guidelines of the world's top-ranking universities	-Review	-Journal article	-General education	-2023	-Higher education	-Ethical guidelines and framework	-A Cross-cutting technology
Moorhouse (2024) (ID:98492358)	Beginning and first-year language teachers' readiness for the generative AI age	-Original research	-Journal article	-Language education	-2024	-Higher education	-Institutional and individual adoption -Perspectives and experiences	-A tool for pedagogical enhancement

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Moya (2023) (ID:98491863)	Examining Recommendations for Generative Artificial Intelligence Use with Integrity from a Scholarship of Teaching and Learning Lens	-Original research	-Journal article	-General education	-2023	-Higher education	-Ethical implication and risks	-A tool for pedagogical enhancement -A Cross-cutting technology
Murgia (2023) (ID:98493413)	Children on ChatGPT Readability in an Educational Context: Myth or Opportunity?	-Original research	-Conference	-Early childhood education	-2023	-Early childhood education	-Application, impact and potential	-A Cross-cutting technology
Naidu (2023) (ID:98493676)	ChatGPT: An ever-increasing encroachment of artificial intelligence in online assessment in distance education	-Original research	-Journal article	-Others	-2023	-Higher education	-Ethical implication and risks -Application, impact and potential	-A tool for pedagogical enhancement -A Cross-cutting technology
Nam (2023) (ID:98493525)	ChatGPT and its ethical implications for STEM research and higher education: a media discourse analysis	-Original research	-Journal article	-STEM	-2023	-Higher education	-Application, impact and potential	-A tool for pedagogical enhancement -A Cross-cutting technology
Nawaz (2024) (ID:98493809)	Acceptance of ChatGPT by undergraduates in Sri Lanka: a hybrid approach of SEM-ANN	-Original research	-Journal article	-General education	-2024	-Higher education	-Institutional and individual adoption	-A Cross-cutting technology
Neumann (2023) (ID:98493465)	"We Need To Talk About ChatGPT": The Future of AI and Higher Education	-Opinion	-Conference	- Computing/Engineering	-2023	-Higher education	-Application, impact and potential	-A Cross-cutting technology
Nguyen (2024) (ID:98491604)	Human-AI collaboration patterns in AI-assisted academic writing	-Original research	-Journal article	-Medical education	-2024	-Higher education	-Application, impact and potential	-A writing assistant and productive tool
Niedbał (2023) (ID:98491992)	Students' Use of the Artificial Intelligence Language Model in their Learning Process	-Original research	-Conference	-General education	-2023	-Higher education	-Application, impact and potential	-A tool for pedagogical enhancement
Niloy (2024) (ID:98492896)	Why do students use ChatGPT? Answering through a triangulation approach	-Original research	-Journal article	-General education	-2024	-Higher education	-Institutional and individual adoption	-A tool for pedagogical enhancement -A Cross-cutting technology
O'Connor (2024) (ID:98492103)	Prompt engineering when using generative AI in nursing education	-Editorial	-Journal article	-Nursing education	-2024	-Higher education	-Application, impact and potential	-A tool for Specialized Training and Practice
O'Dea (2024) (ID:98493446)	Generative AI: is it a paradigm shift for higher education?	-Original research	-Journal article	-General education	-2024	-Higher education	-Application, impact and potential	-A tool for pedagogical enhancement -A Cross-cutting technology

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Oluwadiya (2023) (ID:98494335)	Exploring Artificial Intelligence in the Nigerian Medical Educational Space: An Online Cross-sectional Study of Perceptions, Risks and Benefits among Students and Lecturers from Ten Universities	-Original research	-Journal article	-Medical education	-2023	-Higher education	-Ethical implication and risks -Perspectives and experiences	-A Cross-cutting technology
Ooi (2023) (ID:98491916)	The Potential of Generative Artificial Intelligence Across Disciplines: Perspectives and Future Directions	-Original research	-Journal article	-Multidisciplinary	-2023	-Higher education	-Application, impact and potential	-A Cross-cutting technology
Orduño-Osuna (2023) (ID:98491692)	Exploring the challenges and applications of generative AI on engineering education in Mexico	-Original research	-Book chapter	- Computing/Engineering	-2023	-Higher education	-Application, impact and potential	-A tool for pedagogical enhancement -A writing assistant and productive tool
Ouh (2023) (ID:98493959)	ChatGPT, Can You Generate Solutions for my Coding Exercises? An Evaluation on its Effectiveness in an undergraduate Java Programming Course.	-Original research	-Conference	-Computing education	-2023	-Higher education	-Performance and Intelligence of GenAI	-A writing assistant and productive tool
Pack (2023) (ID:98491679)	Using Generative Artificial Intelligence for Language Education Research: Insights from Using OpenAI's ChatGPT	-Original research	-Journal article	-Language education	-2023	-Higher education	-Application, impact and potential	-A tool for pedagogical enhancement
Pack (2023) (ID:98491955)	POTENTIAL AFFORDANCES of GENERATIVE AI in LANGUAGE EDUCATION: DEMONSTRATIONS and an EVALUATIVE FRAMEWORK	-Original research	-Journal article	-Language education	-2023	-Higher education	-Ethical guidelines and framework -Application, impact and potential	-A tool for pedagogical enhancement -A writing assistant and productive tool
Pallivathukal (2024) (ID:98493507)	ChatGPT for Academic Purposes: Survey Among Undergraduate Healthcare Students in Malaysia	-Original research	-Journal article	-Medical education	-2024	-Higher education	-Attitude, awareness, and motivation -Institutional and individual adoption	-A writing assistant and productive tool

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Parker (2023) (ID:98491857)	ChatGPT for Automated Writing Evaluation in Scholarly Writing Instruction	-Original research	-Journal article	-Nursing education	-2023	-Higher education	-Performance and Intelligence of GenAI -Perspectives and experiences	-A writing assistant and productive tool
Parker (2024) (ID:98492509)	Graduate instructors navigating the AI frontier: The role of ChatGPT in higher education	-Original research	-Journal article	-General education	-2024	-Higher education	-Performance and Intelligence of GenAI	-A tool for pedagogical enhancement -A Cross-cutting technology
Pasupuleti (2024) (ID:98493571)	An empirical evidence on the continuance and recommendation intention of ChatGPT among higher education students in India: An extended technology continuance theory	-Original research	-Journal article	-General education	-2024	-Higher education	-Institutional and individual adoption	-A Cross-cutting technology
Pavlik (2023) (ID:98491842)	Collaborating With ChatGPT: Considering the Implications of Generative Artificial Intelligence for Journalism and Media Education	-Original research -Opinion	-Journal article	-Others	-2023	-Higher education	-Application, impact and potential	-A writing assistant and productive tool
Pellas (2023) (ID:98491733)	The Effects of Generative AI Platforms on Undergraduates' Narrative Intelligence and Writing Self-Efficacy	-Original research	-Journal article	-General education	-2023	-Higher education	-Application, impact and potential	-A writing assistant and productive tool
Pereira (2023) (ID:98492811)	Here's to the future: Conversational agents in higher education- a scoping review	-Review	-Journal article	-General education	-2023	-Higher education	-Ethical implication and risks -Application, impact and potential	-A Cross-cutting technology
Peres (2023) (ID:98492013)	On ChatGPT and beyond: How generative artificial intelligence may affect research, teaching, and practice	-Original research	-Journal article	-General education	-2023	-General education	-Ethical implication and risks -Application, impact and potential	-A tool for pedagogical enhancement -A Cross-cutting technology
Pereyra (2023) (ID:98493489)	Generative AI, higher education and communication: the challenges ahead	-Original research	-Journal article	-General education	-2023	-Higher education	-Ethical implication and risks	-A Cross-cutting technology

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Pérez-Núñez (2023) (ID:98493802)	Exploring the Potential of Generative AI (ChatGPT) for Foreign Language Instruction: Applications and Challenges	-Original research	-Book chapter	-Language education	-2023	-Higher education	-Application, impact and potential	-A tool for pedagogical enhancement
Perkins (2023) (ID:98493883)	Academic Integrity considerations of AI Large Language Models in the post-pandemic era: ChatGPT and beyond	-Original research	-Journal article	-General education	-2023	-General education	-Ethical implication and risks -Evolution and trends	-A Cross-cutting technology
Perkins (2024) (ID:98491470)	Detection of GPT-4 Generated Text in Higher Education: Combining Academic Judgement and Software to Identify Generative AI Tool Misuse	-Original research	-Journal article	-General education	-2024	-Higher education	-Ethical implication and risks	-A Cross-cutting technology
Petricini (2024) (ID:98491557)	What Would Aristotle Do? Navigating Generative Artificial Intelligence in Higher Education	-Commentary	-Journal article	-General education	-2024	-Higher education	-Application, impact and potential	-A tool for pedagogical enhancement
Philbin (2023) (ID:98493455)	Impact of Generative AI on K-12 Students' Perceptions of Computing: A Research Proposal	-Original research	-Conference	-Early childhood education	-2023	-Early childhood education	-Application, impact and potential	-A tool for Professional Skills and Decision-Making -A writing assistant and productive tool
Polyportis (2024) (ID:98493469)	Understanding students' adoption of the ChatGPT chatbot in higher education: the role of anthropomorphism, trust, design novelty and institutional policy	-Original research	-Journal article	-General education	-2024	-Higher education	-Institutional and individual adoption	-A Cross-cutting technology
Popenici (2023) (ID:98491869)	A critical perspective on generative AI and learning futures. An interview with Stefan Popenici	-Original research	-Journal article	-General education	-2023	-Higher education	-Ethical implication and risks -Application, impact and potential	-A tool for pedagogical enhancement -A Cross-cutting technology
Portella-Cleves (2024) (ID:98494146)	Enhancing Programming Education with an Active Learning Plan and Artificial Intelligence Integration	-Original research	-Journal article	-Computing education	-2024	-Higher education	-Application, impact and potential	-A tool for pedagogical enhancement -A writing assistant and productive tool

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Putra (2023) (ID:98493616)	ChatGPT in the higher education environment: perspectives from the theory of high order thinking skills	-Original research	-Journal article	-General education	-2023	-Higher education	-Perspectives and experiences	-A Cross-cutting technology
Qi (2023) (ID:98492881)	The promise and peril of ChatGPT in geriatric nursing education: What We know and do not know	-Editorial	-Journal article	-Nursing education	-2023	-Higher education	-Ethical implication and risks -Application, impact and potential	-A Cross-cutting technology
Qu (2023) (ID:98491770)	Reflections on the Implications of the Developments in ChatGPT for Changes in Medical Education Models	-Opinion	-Journal article	-Medical education	-2023	-Higher education	-Application, impact and potential	-A tool for Specialized Training and Practice -A writing assistant and productive tool
Rahim (2022) (ID:98493652)	AI-Based Chatbots Adoption Model for Higher-Education Institutions: A Hybrid PLS-SEM-Neural Network Modelling Approach	-Original research	-Journal article	-General education	-2022	-Higher education	-Institutional and individual adoption	-A tool for pedagogical enhancement -A Cross-cutting technology
Rajabi (2023) (ID:98493637)	Exploring ChatGPT's impact on post-secondary education: A qualitative study	-Original research	-Conference	- Computing/Engineering	-2023	-Higher education	-Application, impact and potential	-A tool for pedagogical enhancement
Ramachandran (2023) (ID:98491878)	A Tête-à-tête with ChatGPT on the impact of artificial intelligence in medical education	-Commentary	-Journal article	-Medical education	-2023	-Higher education	-Ethical implication and risks -Application, impact and potential	-A tool for Specialized Training and Practice -A writing assistant and productive tool
Ratten (2023) (ID:98491722)	Generative artificial intelligence (ChatGPT): Implications for management educators	-Original research	-Journal article	-Management education	-2023	-Higher education	-Application, impact and potential	-A tool for Professional Skills and Decision-Making
Rawas (2023) (ID:98493510)	ChatGPT: Empowering lifelong learning in the digital age of higher education	-Review	-Journal article	-General education	-2023	-Higher education	-Ethical implication and risks -Application, impact and potential	-A tool for pedagogical enhancement -A Cross-cutting technology
Rejeb (2024) (ID:98492399)	Exploring the impact of ChatGPT on education: A web mining and machine learning approach	-Original research	-Journal article	-General education	-2024	-General education	-Application, impact and potential	-A Cross-cutting technology

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Robayo-Pinzon (2023) (ID:98493717)	Artificial Intelligence and the Value Co-Creation Process in Higher Education Institutions	-Original research	-Journal article	-General education	-2023	-Higher education	-Application, impact and potential	-A Cross-cutting technology
Rodrigues (2023) (ID:98491944)	Artificial intelligence in education: the challenges of ChatGPT	-Original research	-Journal article	-General education	-2023	-Higher education	-Application, impact and potential	-A tool for pedagogical enhancement -A Cross-cutting technology
Rojas (2024) (ID:98493585)	An Investigation into ChatGPT's Application for a Scientific Writing Assignment	-Original research	-Journal article	-Chemistry education	-2024	-Higher education	-Application, impact and potential -Perspectives and experiences	-A writing assistant and productive tool
Romero-Rodríguez (2023) (ID:98493692)	Use of ChatGPT at University as a Tool for Complex Thinking: Students' Perceived Usefulness	-Original research	-Journal article	-General education	-2023	-Higher education	-Institutional and individual adoption	-A tool for pedagogical enhancement -A Cross-cutting technology
Rospigliosi (2024) (ID:98493643)	What is the role of ChatGPT and other large language model AI in Higher Education?	-Editorial	-Journal article	-General education	-2024	-Higher education	-Ethical implication and risks -Application, impact and potential -Institutional and individual adoption	-A Cross-cutting technology
Rowland (2023) (ID:98493568)	Two frameworks to guide discussions around levels of acceptable use of generative AI in student academic research and writing	-Original research	-Journal article	-Language education	-2023	-General education	-Ethical guidelines and framework	-A writing assistant and productive tool
Rudolph (2023) (ID:98491889)	ChatGPT: Bullshit spewer or the end of traditional assessments in higher education?	-Review	-Journal article	-General education	-2023	-Higher education	-Application, impact and potential	-A tool for pedagogical enhancement -A Cross-cutting technology
Sahu (2024) (ID:98493832)	ChatGPT in research and health professions education: challenges, opportunities, and future directions	-Original research	-Journal article	-Medical education	-2024	-Higher education	-Ethical implication and risks -Application, impact and potential	-A tool for Specialized Training and Practice
Saleem (2024) (ID:98491515)	ChatGPT as an innovative heutagogical tool in medical education	-Original research	-Journal article	-Medical education	-2024	-Higher education	-Ethical implication and risks	-A tool for Specialized Training and Practice

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							-Application, impact and potential	
Salifu (2024) (ID:98493581)	Economics students' behavioural intention and usage of ChatGPT in higher education: a hybrid structural equation modelling-artificial neural network approach	-Original research	-Journal article	-Others	-2024	-Higher education	-Institutional and individual adoption	-A Cross-cutting technology
Sallam (2023) (ID:98493852)	Assessing Health Students' Attitudes and Usage of ChatGPT in Jordan: Validation Study	-Original research	-Journal article	-Medical education	-2023	-Higher education	-Attitude, awareness, and motivation -Institutional and individual adoption	-A tool for pedagogical enhancement -A tool for Specialized Training and Practice -A writing assistant and productive tool
Sankaran (2023) (ID:98493699)	Student Perceptions of ChatGPT through an Expectancy Value Theory	-Original research	-Conference	-General education	-2023	-Higher education	-Institutional and individual adoption -Perspectives and experiences	-A Cross-cutting technology
Sathe (2024) (ID:98492009)	How I GPT It: Development of Custom Artificial Intelligence (AI) Chatbots for Surgical Education	-Commentary	-Journal article	-Medical education	-2024	-Higher education	-Application, impact and potential -Perspectives and experiences	-A tool for Specialized Training and Practice
Schön (2023) (ID:98493593)	How are AI assistants changing higher education?	-Original research	-Journal article	-General education	-2023	-Higher education	-Application, impact and potential	-A tool for pedagogical enhancement -A Cross-cutting technology
Sedlbauer (2024) (ID:98493553)	Students' reflections on their experience with ChatGPT	-Original research	-Journal article	-General education	-2024	-Higher education	-Attitude, awareness, and motivation -Perspectives and experiences	-A tool for pedagogical enhancement -A Cross-cutting technology
Shaheen (2023) (ID:98494119)	ChatGPT and the Future of Medical Education: Opportunities and Challenges	-Letter	-Journal article	-Medical education	-2023	-Higher education	-Ethical implication and risks -Application, impact and potential	-A tool for Specialized Training and Practice -A Cross-cutting technology

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Shi (2024) (ID:98491684)	A study on the impact of Generative Artificial Intelligence supported Situational Interactive Teaching on students' 'flow' experience and learning effectiveness — a case study of legal education in China	-Original research	-Journal article	-Legal education	-2024	-Higher education	-Application, impact and potential	-A Cross-cutting technology
Shorey (2024) (ID:98492669)	A scoping review of ChatGPT's role in healthcare education and research	-Original research	-Journal article	-Medical education	-2024	-Higher education	-Application, impact and potential	-A Cross-cutting technology
Singh (2023) (ID:98493653)	Exploring Computer Science Students' Perception of ChatGPT in Higher Education: A Descriptive and Correlation Study	-Original research	-Journal article	- Computing/Engineering	-2023	-Higher education	-Perspectives and experiences	-A writing assistant and productive tool
Sisilitsyn (2023) (ID:98493688)	USING CHATGPT IN DISTANCE LEARNING FOR BEGINNERS IN PROGRAMMING	-Original research	-Journal article	- Computing/Engineering	-2023	-Higher education	-Application, impact and potential	-A tool for pedagogical enhancement -A writing assistant and productive tool
Smolansky (2023) (ID:98493485)	Educator and Student Perspectives on the Impact of Generative AI on Assessments in Higher Education	-Original research	-Conference	-General education	-2023	-Higher education	-Perspectives and experiences	-A tool for pedagogical enhancement -A Cross-cutting technology
Sobaih (2024) (ID:98493527)	Examining Students' Acceptance and Use of ChatGPT in Saudi Arabian Higher Education	-Original research	-Journal article	-General education	-2024	-Higher education	-Institutional and individual adoption	-A Cross-cutting technology
Song (2023) (ID:98493973)	Enhancing academic writing skills and motivation: assessing the efficacy of ChatGPT in AI-assisted language learning for EFL students	-Original research	-Journal article	-Language education	-2023	-Higher education	-Attitude, awareness, and motivation -Application, impact and potential	-A tool for pedagogical enhancement -A writing assistant and productive tool
Song (2024) (ID:98491426)	Higher education crisis: Academic misconduct with generative AI	-Original research	-Journal article	-General education	-2024	-Higher education	-Ethical implication and risks -Application, impact and potential	-A Cross-cutting technology

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Soodan (2024) (ID:98494062)	AI CHATBOT ADOPTION IN ACADEMIA: TASK FIT, USEFULNESS, AND COLLEGIAL TIES	-Original research	-Journal article	-General education	-2024	-Higher education	-Institutional and individual adoption	-A tool for pedagogical enhancement -A Cross-cutting technology
Steele (2023) (ID:98491918)	To GPT or not GPT? Empowering our students to learn with AI	-Opinion	-Journal article	-General education	-2023	-General education	-Ethical implication and risks -Application, impact and potential	-A tool for pedagogical enhancement
Steiss (2024) (ID:98492840)	Comparing the quality of human and ChatGPT feedback of students' writing	-Original research	-Journal article	-General education	-2024	-Higher education	-Performance and Intelligence of GenAI	-A writing assistant and productive tool
Stojanov (2023) (ID:98493628)	Learning with ChatGPT 3.5 as a more knowledgeable other: an autoethnographic study	-Original research	-Journal article	-Medical education	-2023	-Higher education	-Performance and Intelligence of GenAI -Perspectives and experiences	-A tool for Specialized Training and Practice
Stone (2023) (ID:98491848)	Artificial intelligence in social work practice education: Generative AI for learning	-Opinion	-Journal article	-Others	-2023	-Higher education	-Perspectives and experiences	-A tool for pedagogical enhancement
Stornaiuolo (2024) (ID:98492087)	Digital writing with AI platforms: the role of fun with/in generative AI	-Original research	-Journal article	-Language education	-2024	-Higher education	-Perspectives and experiences	-A writing assistant and productive tool
Stretton (2024) (ID:98491522)	ChatGPT-Based Learning: Generative Artificial Intelligence in Medical Education	-Commentary	-Journal article	-Medical education	-2024	-Higher education	-Application, impact and potential	-A tool for Specialized Training and Practice
Strzelecki (2023) (ID:98493546)	To use or not to use ChatGPT in higher education? A study of students' acceptance and use of technology	-Original research	-Journal article	-General education	-2023	-Higher education	-Institutional and individual adoption	-A Cross-cutting technology
Strzelecki (2024) (ID:98493526)	Students' Acceptance of ChatGPT in Higher Education: An Extended Unified Theory of Acceptance and Use of Technology	-Original research	-Journal article	-General education	-2024	-Higher education	-Institutional and individual adoption	-A Cross-cutting technology

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Strzelecki (2024) (ID:98493552)	Investigation of the moderation effect of gender and study level on the acceptance and use of generative AI by higher education students: Comparative evidence from Poland and Egypt	-Original research	-Journal article	-General education	-2024	-Higher education	-Institutional and individual adoption	-A Cross-cutting technology
Su (2023) (ID:98491735)	Unlocking the Power of ChatGPT: A Framework for Applying Generative AI in Education	-Original research	-Journal article	-General education	-2023	-General education	-Ethical guidelines and framework	-A tool for pedagogical enhancement -A Cross-cutting technology
Su (2023) (ID:98493762)	Powerful or mediocre? Kindergarten teachers' perspectives on using ChatGPT in early childhood education	-Original research	-Journal article	-Early childhood education	-2023	-Early childhood education	-Perspectives and experiences	-A tool for pedagogical enhancement
Sullivan (2023) (ID:98491811)	ChatGPT in higher education: Considerations for academic integrity and student learning	-Original research	-Journal article	-General education	-2023	-General education	-Ethical implication and risks	-A tool for pedagogical enhancement -A Cross-cutting technology
Sun (2024) (ID:98493660)	Would ChatGPT-facilitated programming mode impact college students' programming behaviors, performances, and perceptions? An empirical study	-Original research	-Journal article	- Computing/Engineering	-2024	-Higher education	-Application, impact and potential	-A tool for pedagogical enhancement -A writing assistant and productive tool
Sysoyev (2024) (ID:98491601)	Ethics and AI-Plagiarism in an Academic Environment: Students' Understanding of Compliance with Author's Ethics and the Problem of Plagiarism in the Process of Interaction with Generative Artificial Intelligence	-Original research	-Journal article	-General education	-2024	-Higher education	-Ethical implication and risks	-A Cross-cutting technology
Tam (2023) (ID:98491776)	Nursing education in the age of artificial intelligence powered Chatbots (AI-Chatbots): Are we ready yet?	-Original research	-Journal article	-Nursing education	-2023	-Higher education	-Application, impact and potential	-A tool for Specialized Training and Practice
Tan (2024) (ID:98494133)	Artificial intelligence tools in medical education beyond Chat Generative Pre-trained Transformer (ChatGPT)	-Letter	-Journal article	-Medical education	-2024	-Higher education	-Ethical implication and risks	-A tool for Specialized Training and Practice

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Tangadulrat (2023) (ID:98493583)	Using ChatGPT for Clinical Practice and Medical Education: Cross-Sectional Survey of Medical Students' and Physicians' Perceptions	-Original research	-Journal article	-Medical education	-2023	-Higher education	-Perspectives and experiences	-A tool for Specialized Training and Practice -A Cross-cutting technology
Tayan (2024) (ID:98492522)	Considerations for adapting higher education technology courses for AI large language models: A critical review of the impact of ChatGPT	-Review	-Journal article	-General education	-2024	-Higher education	-Application, impact and potential	-A Cross-cutting technology
Téllez (2024) (ID:98493654)	Evaluating ChatGPT-Generated Linear Algebra Formative Assessments	-Original research	-Journal article	-Others	-2024		-Ethical guidelines and framework -Application, impact and potential	-A tool for pedagogical enhancement
Thorat (2024) (ID:98493780)	The Role of Chatbot GPT Technology in Undergraduate Dental Education	-Original research	-Journal article	-Medical education	-2024	-Higher education	-Ethical implication and risks -Application, impact and potential	-A tool for Specialized Training and Practice
Tian (2024) (ID:98493601)	AI Chatbots in Chinese higher education: adoption, perception, and influence among graduate students-an integrated analysis utilizing UTAUT and ECM models	-Original research	-Journal article	-General education	-2024	-Higher education	-Institutional and individual adoption	-A Cross-cutting technology
Tippareddy (2023) (ID:98493315)	Radiology Reading Room for the Future: Harnessing the Power of Large Language Models Like ChatGPT	-Original research	-Journal article	-Medical education	-2023	-Higher education	-Application, impact and potential	-A tool for pedagogical enhancement -A tool for Specialized Training and Practice
Tiwari (2023) (ID:98491946)	What drives students toward ChatGPT? An investigation of the factors influencing adoption and usage of ChatGPT	-Original research	-Journal article	-General education	-2023	-Higher education	-Institutional and individual adoption	-A Cross-cutting technology

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Tlili (2023) (ID:98491635)	What if the devil is my guardian angel: ChatGPT as a case study of using chatbots in education	-Original research	-Journal article	-General education	-2023	-General education	-Ethical implication and risks -Application, impact and potential -Perspectives and experiences	-A tool for pedagogical enhancement -A Cross-cutting technology
Tong (2023) (ID:98493394)	Investigating ChatGPT-4's performance in solving physics problems and its potential implications for education	-Original research	-Journal article	-Physics	-2023	-Higher education	-Performance and Intelligence of GenAI	-A tool for pedagogical enhancement
Tossell (2024) (ID:98493844)	Student Perceptions of ChatGPT Use in a College Essay Assignment: Implications for Learning, Grading, and Trust in Artificial Intelligence	-Original research	-Journal article	-General education	-2024	-Higher education	-Performance and Intelligence of GenAI -Perspectives and experiences	-A tool for pedagogical enhancement -A writing assistant and productive tool
Totlis (2023) (ID:98491763)	The potential role of ChatGPT and artificial intelligence in anatomy education: a conversation with ChatGPT	-Original research	-Journal article	-Medical education	-2023	-Higher education	-Ethical implication and risks -Application, impact and potential -Perspectives and experiences	-A tool for pedagogical enhancement -A tool for Specialized Training and Practice
Tsai (2023) (ID:98492709)	Exploring the use of large language models (LLMs) in chemical engineering education: Building core course problem models with Chat-GPT	-Original research	-Journal article	- Computing/Engineering	-2023	-Higher education	-Ethical guidelines and framework -Application, impact and potential	-A tool for pedagogical enhancement
Tsang (2023) (ID:98493558)	Practical Applications of ChatGPT in Undergraduate Medical Education	-Opinion	-Journal article	-Medical education	-2023	-Higher education	-Application, impact and potential	-A tool for pedagogical enhancement -A tool for Specialized Training and Practice -A Cross-cutting technology
Tu (2023) (ID:98493749)	University students' conceptions of ChatGPT-supported learning: a drawing and epistemic network analysis	-Original research	-Journal article	-General education	-2023	-Higher education	-Perspectives and experiences	-A tool for pedagogical enhancement

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Tu (2024) (ID:98491685)	Roles and functionalities of ChatGPT for students with different growth mindsets: Findings of drawing analysis	-Original research	-Journal article	-General education	-2024	-Higher education	-Perspectives and experiences	-A tool for pedagogical enhancement -A Cross-cutting technology
Tupper (2024) (ID:98491564)	Field courses for dummies: To what extent can ChatGPT design a higher education field course?	-Original research	-Journal article	-General education	-2024	-Higher education	-Performance and Intelligence of GenAI	-A tool for pedagogical enhancement -A Cross-cutting technology -A writing assistant and productive tool
Ubowska (2023) (ID:98492692)	ChatGPT - opportunities or threats in the educational process	-Original research	-Conference	-General education	-2023	-Higher education	-Institutional and individual adoption	-A Cross-cutting technology
Ülkü (2023) (ID:98493774)	Artificial intelligence-based large language models and integrity of exams and assignments in higher education: the case of tourism courses	-Original research	-Journal article	-Tourism education	-2023	-Higher education	-Ethical implication and risks -Performance and Intelligence of GenAI	-A writing assistant and productive tool
Umme (2023) (ID:98491642)	Innovative teaching methodology in higher education with generative AI- engineering education in developing countries	-Original research	-Book chapter	- Computing/Engineering	-2023	-Higher education	-Application, impact and potential	-A tool for pedagogical enhancement
Urban (2024) (ID:98492553)	ChatGPT improves creative problem-solving performance in university students: An experimental study	-Original research	-Journal article	-General education	-2024	-Higher education	-Application, impact and potential -Performance and Intelligence of GenAI	-A tool for pedagogical enhancement
Valova (2024) (ID:98491637)	Students' Perception of ChatGPT Usage in Education	-Original research	-Journal article	-General education	-2024	-Higher education	-Perspectives and experiences	-A tool for pedagogical enhancement -A Cross-cutting technology
van den Berg (2023) (ID:98491744)	ChatGPT and Generative AI: Possibilities for Its Contribution to Lesson Planning, Critical Thinking and Openness in Teacher Education	-Original research	-Journal article		-2023	-Higher education	-Application, impact and potential	-A tool for pedagogical enhancement -A Cross-cutting technology

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van Slyke (2023) (ID:98491907)	Generative Artificial Intelligence in Information Systems Education: Challenges, Consequences, and Responses	-Original research	-Journal article	- Computing/Engineering	-2023	-Higher education	-Ethical implication and risks -Application, impact and potential	-A Cross-cutting technology
VAN WYK (2023) (ID:98491851)	Why All the Hype about ChatGPT? Academics' Views of a Chat-based Conversational Learning Strategy at an Open Distance e-Learning Institution	-Original research	-Journal article	-General education	-2023	-Higher education	-Perspectives and experiences	-A Cross-cutting technology
Van Wyk (2024) (ID:98491527)	Is ChatGPT an opportunity or a threat? Preventive strategies employed by academics related to a GenAI-based LLM at a faculty of education	-Original research	-Journal article	-General education	-2024	-Higher education	-Ethical implication and risks -Perspectives and experiences	-A Cross-cutting technology
Vasconcelos (2023) (ID:98491927)	Enhancing STEM learning with ChatGPT and Bing Chat as objects to think with: A case study	-Original research	-Journal article	-STEM	-2023	-Higher education	-Application, impact and potential	-A tool for pedagogical enhancement
Vaughn (2024) (ID:98491585)	Enhancing Healthcare Education: Leveraging ChatGPT for Innovative Simulation Scenarios	-Original research	-Journal article	-Medical education	-2024	-Higher education	-Application, impact and potential -Performance and Intelligence of GenAI	-A tool for Specialized Training and Practice
Verma (2023) (ID:98491867)	Navigating Opportunities and Challenges of Artificial Intelligence: ChatGPT and Generative Models in Science Teacher Education	-Editorial	-Journal article	-Science education	-2023	-Higher education	-Ethical implication and risks -Application, impact and potential	-A tool for pedagogical enhancement
Vignesh (2023) (ID:98491983)	Exploring the hurdles in Integrating Artificial Intelligence in Medical Education: A Talk with ChatgPT	-Original research	-Journal article	-Medical education	-2023	-Higher education	-Ethical implication and risks	-A tool for Specialized Training and Practice
Walczak (2023) (ID:98491894)	Challenges for higher education in the era of widespread access to Generative AI	-Original research	-Journal article	-General education	-2023	-Higher education	-Application, impact and potential	-A Cross-cutting technology

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Wang (2023) (ID:98491828)	Exploring the Potential Impact of Artificial Intelligence (AI) on International Students in Higher Education: Generative AI, Chatbots, Analytics, and International Student Success	-Original research	-Journal article	-General education	-2023	-Higher education	-Application, impact and potential	-A Cross-cutting technology
Wang (2023) (ID:98491915)	The Potential Impact of ChatGPT on Education: Using History as a Rearview Mirror	-Review		-General education	-2023	-General education	-Application, impact and potential	-A Cross-cutting technology
Wang (2023) (ID:98493833)	An Experimental Study of ChatGPT-Assisted Improvement of Chinese College Students' English Reading Skills: A Case Study of <i>Dear Life</i>	-Original research	-Conference	-Language education	-2023	-Higher education	-Application, impact and potential	-A tool for pedagogical enhancement
Wang (2024) (ID:98491647)	Critical analysis of the technological affordances, challenges and future directions of Generative AI in education: a systematic review	-Review	-Journal article	-General education	-2024	-General education	-Application, impact and potential -Evolution and trends	-A Cross-cutting technology
Wang (2024) (ID:98493686)	Examining the potential and pitfalls of ChatGPT in science and engineering problem-solving	-Original research	-Journal article	- Computing/Engineering	-2024	-Higher education	-Ethical implication and risks -Application, impact and potential	-A tool for pedagogical enhancement -A Cross-cutting technology
Watermeyer (2023) (ID:98491806)	Generative AI and the Automating of Academia	-Original research	-Journal article	-General education	-2023	-Higher education	-Application, impact and potential	-A tool for pedagogical enhancement -A Cross-cutting technology
Williams (2023) (ID:98491884)	The ethical implications of using generative chatbots in higher education	-Original research	-Journal article	-General education	-2023	-Higher education	-Ethical implication and risks	-A tool for pedagogical enhancement -A Cross-cutting technology
Wilson (2024) (ID:98491409)	Assessing Learning of Computer Programing Skills in the Age of Generative Artificial Intelligence	-Original research	-Journal article	- Computing/Engineering	-2024	-Higher education	-Application, impact and potential	-A tool for pedagogical enhancement -A writing assistant and productive tool

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Wollowski (2023) (ID:98493967)	Using ChatGPT to produce code for a typical college-level assignment	-Commentary	-Journal article	- Computing/Engineering	-2023	-Higher education	-Perspectives and experiences	-A writing assistant and productive tool
Wong (2023) (ID:98491883)	The Intersection of ChatGPT, Clinical Medicine, and Medical Education	-Opinion	-Journal article	-Medical education	-2023	-Higher education	-Ethical implication and risks -Perspectives and experiences	-A tool for Specialized Training and Practice
Wong (2024) (ID:98492055)	The Sudden Disruptive Rise of Generative Artificial Intelligence?: An Evaluation of their Impact on Higher Education and the Global Workplace.	-Original research	-Journal article	-General education	-2024	-Higher education	-Perspectives and experiences -Evolution and trends	-A tool for pedagogical enhancement -A Cross-cutting technology -A writing assistant and productive tool
Wu (2024) (ID:98493972)	Application of ChatGPT-based blended medical teaching in clinical education of hepatobiliary surgery	-Original research	-Journal article	-Medical education	-2024	-Higher education	-Application, impact and potential	-A tool for Specialized Training and Practice
Xing (2024) (ID:98491486)	Exploring the use of ChatGPT in learning and instructing statistics and data analytics	-Original research	-Journal article	-Data science	-2024	-Higher education	-Application, impact and potential -Performance and Intelligence of GenAI	-A tool for Professional Skills and Decision-Making -A writing assistant and productive tool
Xu (2024) (ID:98492948)	Understanding learners' perceptions of ChatGPT: A thematic analysis of peer interviews among undergraduates and postgraduates in China	-Original research	-Journal article	-General education	-2024	-Higher education	-Perspectives and experiences	-A Cross-cutting technology
Xu (2024) (ID:98493273)	Beyond words: L2 writing teachers' visual conceptualizations of ChatGPT in teaching and learning	-Original research	-Journal article	-Language education	-2024	-Higher education	-Ethical implication and risks -Application, impact and potential	-A writing assistant and productive tool
Xu (2024) (ID:98493752)	Applying ChatGPT to tackle the side effects of personal learning environments from learner and learning perspective: An interview of experts in higher education	-Original research	-Journal article	-General education	-2024	-Higher education	-Application, impact and potential	-A tool for pedagogical enhancement -A Cross-cutting technology

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Xu (2024) (ID:98493776)	Unleashing the power of perceived enjoyment: exploring Chinese undergraduate EFL learners' intention to use ChatGPT for English learning	-Original research	-Journal article	-General education	-2024	-Higher education	-Institutional and individual adoption	-A tool for pedagogical enhancement -A writing assistant and productive tool
Yalcinkaya (2024) (ID:98492347)	Bibliometric and content analysis of ChatGPT research in nursing education: The rabbit hole in nursing education	-Review	-Journal article	-Nursing education	-2024	-Higher education	-Application, impact and potential -Evolution and trends	-A Cross-cutting technology
Yawson (2024) (ID:98491567)	Perspectives on the promise and perils of generative AI in academia	-Opinion	-Journal article	-General education	-2024	-Higher education	-Ethical implication and risks -Perspectives and experiences	-A Cross-cutting technology
Yeralan (2023) (ID:98491800)	Generative AI: Challenges to higher education	-Original research	-Journal article	-General education	-2023	-General education	-Application, impact and potential	-A tool for pedagogical enhancement -A Cross-cutting technology
Yilmaz (2023) (ID:98491956)	The effect of generative artificial intelligence (AI)-based tool use on students' computational thinking skills, programming self-efficacy and motivation	-Original research	-Journal article	- Computing/Engineering	-2023	-Higher education	-Application, impact and potential	-A tool for pedagogical enhancement -A Cross-cutting technology
Yilmaz (2023) (ID:98492168)	Augmented intelligence in programming learning: Examining student views on the use of ChatGPT for programming learning	-Original research	-Journal article	- Computing/Engineering	-2023	-Higher education	-Perspectives and experiences	-A tool for pedagogical enhancement -A Cross-cutting technology
Yu (2023) (ID:98491639)	Exploring ethical considerations in utilizing generative AI for global knowledge sharing in higher education	-Original research	-Book chapter	-General education	-2023	-Higher education	-Ethical implication and risks	-A Cross-cutting technology
Yu (2023) (ID:98491645)	Facilitating global collaboration and knowledge sharing in higher education with generative AI	-Original research	-Book chapter	-General education	-2023	-Higher education	-Application, impact and potential	-A Cross-cutting technology

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Yu (2024) (ID:98492501)	The application and challenges of ChatGPT in educational transformation: New demands for teachers' roles	-Original research	-Journal article	-General education	-2024	-Higher education	-Application, impact and potential	-A tool for pedagogical enhancement -A Cross-cutting technology
Yuan (2023) (ID:98493423)	An empirical study of the efficacy of AI chatbots for English as a foreign language learning in primary education	-Original research	-Journal article	-Language education	-2023	-Higher education	-Application, impact and potential	-A tool for pedagogical enhancement -A writing assistant and productive tool
Yusuf (2024) (ID:98491414)	Generative AI and the future of higher education: a threat to academic integrity or reformation? Evidence from multicultural perspectives	-Original research	-Journal article	-General education	-2024	-General education	-Perspectives and experiences	-A Cross-cutting technology
Zeb (2024) (ID:98493512)	Exploring the role of ChatGPT in higher education: opportunities, challenges and ethical considerations	-Original research	-Journal article	-General education	-2024	-General education	-Ethical implication and risks -Application, impact and potential	-A tool for pedagogical enhancement -A Cross-cutting technology
Zhang (2023) (ID:98493498)	A systematic review of ChatGPT use in K-12 education	-Review	-Journal article	-Early childhood education	-2023	-Elementary -Secondary	-Ethical implication and risks -Application, impact and potential	-A Cross-cutting technology
Zhang (2024) (ID:98491480)	A Study of the Factors Influencing Teachers' Willingness to Use Generative Artificial Intelligence Based on the UTAUT Model	-Original research	-Journal article	-General education	-2024	-Higher education	-Institutional and individual adoption	-A Cross-cutting technology
Zhang (2024) (ID:98493597)	University Students' Attitudes Toward ChatGPT Profiles and Their Relation to ChatGPT Intentions	-Original research	-Journal article	-General education	-2024	-Higher education	-Attitude, awareness, and motivation -Institutional and individual adoption	-A Cross-cutting technology
Zhang (2024) (ID:98493781)	Using ChatGPT to promote college students' participation in physical activities and its effect on mental health	-Original research	-Journal article	-Physical and Health education	-2024	-Higher education	-Ethical implication and risks -Application, impact and potential	-A tool for Specialized Training and Practice

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Zhang (2024) (ID:98493786)	Interplay of rationality and morality in using ChatGPT for academic misconduct	-Original research	-Journal article	-General education	-2024	-General education	-Ethical implication and risks	-A writing assistant and productive tool
Zheltukhina (2024) (ID:98491561)	A bibliometric analysis of publications on ChatGPT in education: Research patterns and topics	-Review	-Journal article	-General education	-2024	-General education	-Application, impact and potential -Evolution and trends	-A Cross-cutting technology
Zheng (2024) (ID:98492694)	Improving EFL students' cultural awareness: Reframing moral dilemmatic stories with ChatGPT	-Original research	-Journal article	-Language education	-2024	-Higher education	-Attitude, awareness, and motivation -Application, impact and potential	-A tool for pedagogical enhancement -A writing assistant and productive tool
Zirar (2023) (ID:98493685)	Exploring the impact of language models, such as ChatGPT, on student learning and assessment	-Review	-Journal article	-General education	-2023	-General education	-Ethical implication and risks -Application, impact and potential	-A tool for pedagogical enhancement
Zou (2023) (ID:98493609)	The impact of ChatGPT on L2 writing and expected responses: Voice from doctoral students	-Original research	-Journal article	-Medical education	-2023	-Higher education	-Perspectives and experiences	-A tool for Specialized Training and Practice -A writing assistant and productive tool
Zou (2023) (ID:98493631)	To use or not to use? Understanding doctoral students' acceptance of ChatGPT in writing through technology acceptance model	-Original research	-Journal article	-Medical education	-2023	-Higher education	-Institutional and individual adoption	-A tool for Specialized Training and Practice -A writing assistant and productive tool