

MEDIA AND COMMUNICATION LITERACY FOR ALGERIAN YOUTH IN THE DIGITAL AGE: A CRITICAL CONCEPTUAL STUDY

التربية الإعلامية والاتصالية لدى الشباب الجزائري في العصر الرقمي: دراسة مفاهيمية نقدية

Farzouli Mokhtar

University of Biskra

mokhtar.farzouli@univ-biskra.dz

Date of receipt: 25/04/2026

Date of acceptance: 06/06/2026

Date of publication: 10/06/2026

ABSTRACT

This study examines the role of media and communication literacy in enhancing Algerian youth's ability to produce and receive digital content with critical awareness. It starts from the observation that digital platforms have become increasingly embedded in everyday life, while there remains a gap in the competencies required to navigate digital challenges such as misinformation, hate speech, echo chambers, and problematic social media use. The study adopts a critical conceptual approach based on a narrative review of Algerian and international literature, supported by recent indicators on the Algerian context. The analysis draws on media literacy theory, digital citizenship, epistemic responsibility, and critical platform studies.

The study concludes that media and communication literacy should be understood as a form of critical empowerment that goes beyond technical skills or preventive approaches. It proposes a five-dimensional model comprising: self-regulation and digital well-being, verification and epistemic responsibility, algorithmic awareness, ethical production and participation, and counter-discourse and digital citizenship, all aimed at fostering a more aware and responsible digital citizen.

Keywords:

Algerian youth ; algorithmic awareness ; digital citizenship ; hate speech ; media and communication literacy; misinformation.

ملخص

تبحث هذه الدراسة في دور التربية الإعلامية والاتصالية في تعزيز قدرة الشباب الجزائري على إنتاج المضامين الرقمية وتلقيها بوعي نقدي. وتنطلق من ملاحظة اتساع حضور المنصات الرقمية في الحياة اليومية مقابل تفاوت امتلاك الكفاءات اللازمة للتعامل مع تحديات البيئة الرقمية، مثل التضليل الإعلامي، وخطاب الكراهية، وغرف الصدى، والاستخدام الإشكالي لشبكات التواصل الاجتماعي. اعتمدت الدراسة منهجاً مفاهيمياً نقدياً قائماً على مراجعة سرديّة للأدبيات الجزائرية والدولية، مدعومة بمؤشرات حديثة حول الواقع الجزائري. واستند التحليل إلى نظريات التربية الإعلامية، والمواطنة الرقمية، والمسؤولية المعرفية، والدراسات النقدية للمنصات الرقمية. وتخلص الدراسة إلى أن التربية الإعلامية والاتصالية ينبغي أن تُفهم بوصفها عملية تمكين نقدي تتجاوز البعد التقني والوقائي، وتقترب نموذجاً خماسي الأبعاد يشمل: التنظيم الذاتي والرفاه الرقمي، والتحقق والمسؤولية المعرفية، والوعي الخوارزمي، والإنتاج الأخلاقي والمشاركة، والخطاب المضاد والمواطنة الرقمية، بما يساهم في بناء مواطن رقمي أكثر وعياً ومسؤولية.

الكلمات المفتاحية

الوعي الخوارزمي، التضليل، التربية الإعلامية والاتصالية؛ الشباب الجزائري، المواطنة الرقمية.

1. INTRODUCTION

The internet has transformed communication from a relatively linear process into a platform-based environment in which messages are produced, circulated, evaluated, remixed, and contested by ordinary users. In the age of social networking sites, young people are not only receivers of media content. They are also producers, distributors, commentators, influencers, and data sources. Every post, comment, share, video, meme, and reaction may participate in the formation of a digital public sphere. This shift has expanded opportunities for expression, learning, creativity, mobilization, and social connection. At the same time, it has intensified risks related to problematic platform use, misinformation, hate speech, polarization, algorithmic visibility, and life inside echo chambers.

The Algerian case is particularly important because Algeria is now a densely connected society. DataReportal's Digital 2026: Algeria report estimates that Algeria had 37.8 million internet users at the end of 2025, when internet penetration stood at 79.5%, and 27.5 million social media user identities in October 2025, equivalent to

57.7% of the population (Kemp, 2025). These figures should be interpreted carefully because platform advertising reach is not identical to the number of active human users. Nevertheless, they confirm that digital platforms have become central to Algerian everyday life, especially for youth.

The research problem addressed in this article can therefore be stated as follows: Algerian youth participate intensively in digital platforms, yet the competences required for critical reception and ethical production of online content remain unevenly developed. This gap makes young users vulnerable to misleading information, impulsive sharing, addictive design, hateful interaction, and algorithmically narrowed visibility. The problem is not simply that young people use platforms too much; it is that they often use them within communicative environments designed to reward speed, emotion, visibility, and engagement more than truth, dialogue, dignity, and public reason.

This article narrows the discussion to one clear research question: How can media and communication literacy be theoretically conceptualized and practically adapted to improve the reception and production of digital content among Algerian youth in response to misinformation, problematic social media use, online hate speech, and echo-chamber dynamics? Three subsidiary questions guide the analysis: What theoretical dimensions should define media and communication literacy in the digital age? How do the four selected challenges affect both reception and production? What locally meaningful model can be proposed for the Algerian context?

The article argues that media and communication literacy should be understood as critical empowerment rather than as technical training or moral protection alone. Protection is necessary, especially for minors and vulnerable users, but protection alone may produce fear, censorship, or moral panic. Empowerment, by contrast, enables young people to understand how digital communication works, how platforms influence attention, how misinformation is constructed, how hate speech

spreads, how echo chambers are formed, and how users can produce alternative, verified, ethical, and socially constructive content.

2. Methodological Approach

This article does not employ a survey, experiment, interview protocol, or statistical analysis. It is a critical conceptual and narrative literature-based study. Its purpose is not to measure the prevalence of a phenomenon among a sample of Algerian youth, but to clarify a problem, organize existing knowledge, and propose an analytically grounded model for media and communication literacy in Algeria. Making this methodological position explicit is important because conceptual studies require a different form of rigor from empirical studies.

The study relies on a purposive narrative review of three types of sources. The first type includes foundational and international literature on media literacy, digital and media literacy, media and information literacy, digital citizenship, misinformation, hate speech, and echo chambers (Livingstone, 2004; Hobbs, 2010; UNESCO, 2021; UNESCO, 2023). The second type includes recent empirical or review-based studies that examine the effectiveness and limits of literacy interventions, the mechanisms linking social media use to adolescent vulnerability, and the algorithmic conditions of polarization and echo chambers (Bakshy et al., 2015; Cinelli et al., 2021; Pennycook & Rand, 2022; Hoes et al., 2024; Huang et al., 2024; Orben et al., 2024). The third type includes Algerian studies and reports dealing with fake news, hate speech, social media addiction, digital values, journalists' fact-checking practices, and social media use among youth (Berrik & Hidoussi, 2022; Dahmani & Dahmani, 2024; Deif, 2024; Mahdaoui & Boudraa, 2024; Ben Haddou & Saadi, 2025; Chami & Tlidjani, 2025; Nait Sidi Ahmed & Mellouj, 2025).

Sources were selected according to four analytical criteria: direct relevance to digital communication among youth; relevance to at least one of the four selected challenges; usefulness for defining media and communication literacy beyond

technical skills; and relevance to the Algerian or comparable Arab and international contexts. The review is narrative rather than systematic, which means that it does not claim exhaustive coverage of all published studies. Its value lies in conceptual synthesis, critical comparison, and model building.

The analytical procedure followed three steps. First, the article defines the concept of media and communication literacy and identifies its theoretical dimensions. Second, it analyzes four digital challenges as interrelated problems of reception and production rather than as isolated risks. Third, it translates the conceptual discussion into a five-dimensional model that can guide curriculum design, youth training, public campaigns, and future empirical evaluation in Algeria. This methodological choice directly responds to the theoretical nature of the article and avoids presenting it as an empirical field study.

3. Theoretical and Conceptual Grounding

Media literacy has traditionally referred to the ability to access, analyze, evaluate, and create media messages. Livingstone (2004) defined media literacy as a set of competences related to access, analysis, evaluation, and content creation in a variety of contexts. Hobbs (2010) similarly connected digital and media literacy to access, analysis, evaluation, creation, reflection, and action. These definitions remain useful, but the contemporary internet requires a broader communication-oriented approach because social platforms are not neutral channels. They are algorithmic environments shaped by data extraction, ranking systems, recommendation engines, targeted advertising, and engagement incentives.

UNESCO's curriculum Media and Information Literate Citizens: Think Critically, Click Wisely! emphasizes that media and information literacy is not only about using media tools. It is also about understanding content providers, the construction of media stories, the social functions of communication, digital citizenship, and the rise of disinformation (UNESCO, 2021). This is especially relevant in societies where mobile phones and platforms have become dominant

sources of news, entertainment, education, and identity formation. A young user may learn about politics from Facebook, religion from YouTube, humor from TikTok, relationships from Instagram, and public opinion from comment sections. Such a user needs more than technical skill; he or she needs critical judgment.

For the purposes of this article, media and communication literacy can be defined as the ability to access, interpret, verify, produce, circulate, and challenge digital content in a critical, ethical, and socially responsible manner, while understanding the economic, technological, cultural, and political structures that shape communication. The expression is used deliberately. It includes what international literature often calls media and information literacy, digital literacy, news literacy, algorithmic literacy, and digital citizenship. However, it also highlights the communicative process itself: who speaks, to whom, through which platform, according to which rules, with what effects, and under which ethical responsibilities.

This definition contains five theoretical dimensions. First, cognitive competence refers to the ability to evaluate evidence, detect manipulation, distinguish fact from opinion, and understand context. Second, technical competence includes searching, source checking, reverse image search, privacy settings, and platform reporting tools. Third, ethical competence involves respect for dignity, privacy, intellectual property, and cultural difference. Fourth, social competence refers to participation in public discussion without reproducing hate, harassment, or misinformation. Fifth, structural competence means awareness of platform algorithms, commercial incentives, datafication, and the attention economy.

The theoretical foundation of the article combines four perspectives. The first is the competence-based tradition of media literacy, which clarifies what users need to know and do (Livingstone, 2004; Hobbs, 2010). The second is media and information literacy as a citizenship project, which connects critical judgment to participation, rights, and responsibility (UNESCO, 2021; UNESCO, 2023). The

third is the epistemic-responsibility perspective, which treats misinformation not only as false content but also as a failure of verification, attention, and justified trust (Pennycook & Rand, 2022; Hoes et al., 2024; Huang et al., 2024). The fourth is critical platform analysis, which explains how algorithms, recommendation systems, and engagement incentives shape visibility and interaction (Bakshy et al., 2015; Cinelli et al., 2021). Together, these perspectives provide the theoretical grounding that a critical article on digital communication requires.

A critical approach is necessary because media literacy can be weakened if it becomes merely a list of tips. Telling young people to "check the source" is useful but insufficient. They must also ask why some sources become more visible than others, why emotional content spreads quickly, why platforms personalize feeds, and why users sometimes prefer content that confirms their fears or identities. In this sense, communication literacy is not only a defensive shield; it is a way of understanding power, responsibility, and visibility in the digital environment.

4. The Algerian Digital Context and the Research Problem

Algeria's digital transformation has created a paradox. On the one hand, digital platforms have opened spaces for participation, learning, entrepreneurship, cultural expression, and informal public debate. On the other hand, they have produced new vulnerabilities. The scale of use is significant. According to DataReportal, Algeria's internet penetration in the Digital 2026 report reached approximately 79.5%, and social media user identities represented more than half of the population (Kemp, 2025). Even with methodological caution, these data show that digital communication is now part of the country's social infrastructure.

Algerian researchers have increasingly examined the consequences of this transformation. Deif's study on media education and fake news through social networks argues that media education can help users develop selection, criticism, and analysis skills that allow them to distinguish true from false news (Deif, 2024, pp. 150-160). Dahmani and Dahmani (2024, pp. 913-937) found that many

Facebook users associate media literacy with safe and positive media use and with the ability to understand, interpret, and detect values in media messages. Berrik and Hidoussi (2022, pp. 232-248) examined hate speech on social networking sites and its effects on Algerian youth, emphasizing that platforms initially perceived as spaces of open freedom can become containers for violent and hateful discourse. Other Algerian studies have addressed dependence on Facebook, TikTok addiction, social media addiction, and the effects of excessive platform use on social relations, values, and mental well-being (Ben Haddou & Saadi, 2025; Chami & Tlidjani, 2025; Nait Sidi Ahmed & Mellouj, 2025).

However, the Algerian debate often oscillates between technological optimism and moral panic. Technological optimism assumes that internet access automatically produces openness, knowledge, and development. Moral panic treats social media as a source of corruption, alienation, and cultural loss. Both views are incomplete. Digital platforms are neither purely liberating nor purely destructive. Their effects depend on users' motivations, social context, platform design, regulatory frameworks, educational systems, and available alternatives. A young Algerian who uses YouTube to learn languages or coding is not in the same position as a young person trapped in endless short-video scrolling, cyberbullying, or conspiracy communities.

The Algerian context also requires sensitivity to language and culture. Fake news may circulate in Arabic, French, Tamazight, Algerian dialect, or mixed visual formats. Hate speech may be disguised as jokes, football rivalry, regional stereotypes, gendered insults, sectarian discourse, or ideological accusation. Echo chambers may form around politics, religion, migration, football clubs, consumer aspirations, or identity debates. Therefore, imported media literacy models must be adapted to local communicative realities. The aim is not to copy a foreign curriculum, but to develop a locally meaningful pedagogy that draws on

international evidence while respecting Algeria's linguistic, cultural, and institutional context.

5. Key Digital Challenges for Algerian Youth

5.1 Misinformation and Epistemic Responsibility

Misinformation is one of the most visible challenges of the digital environment. It should not be understood simply as a set of false statements. It is a communicative construction that often combines partial truth, emotional framing, misleading images, decontextualized video, fabricated authority, and strategic repetition. Its power lies not only in falsity, but also in its ability to fit pre-existing fears, identities, resentments, or hopes.

International research confirms both the promise and the limits of media literacy interventions. Huang, Jia, and Yu's meta-analysis of 49 experimental studies with 81,155 participants found that media literacy interventions generally improve resilience to misinformation, reduce belief in false information, improve discernment, and decrease sharing intentions (Huang et al., 2024). Pennycook and Rand (2022) also found that accuracy prompts can improve the quality of news sharing by shifting users' attention toward truth before they share content. These findings are useful because they show that misinformation is not only a knowledge problem; it is also an attention problem.

At the same time, media literacy must avoid producing generalized cynicism. Hoes et al. (2024, pp. 1545-1553) found that prominent misinformation interventions can reduce misperceptions but may also increase skepticism toward accurate information. If young people are taught only that "the media lie" or "everything is manipulation," the result may be epistemic nihilism: a state in which people lose the ability to distinguish credible information from falsehood. Such a condition can strengthen conspiracy thinking rather than weaken it.

Therefore, the goal of media and communication literacy should be epistemic responsibility: the capacity to build justified trust. Users should learn not merely to

doubt, but to evaluate. They should ask: Who is the source? What evidence is provided? Is the image original? Is the information confirmed by independent sources? Is the headline emotionally manipulative? Does the content confuse opinion with fact? Is the claim plausible within the broader context? Is the source accountable? Such questions transform media literacy from a negative habit of suspicion into a positive discipline of judgment.

In Algeria, this is particularly urgent because social networks have become important channels through which citizens encounter news about politics, health, religion, security, education, prices, migration, and public services. A useful program against misinformation could include four exercises: comparing the same story across three sources, using reverse image search to detect old images, analyzing emotionally charged headlines, and producing a short verified news item using identifiable sources. These activities teach the labor of truth rather than merely warning against falsehood.

5.2 Problematic Social Media Use and Digital Well-Being

Problematic use of social networking sites is often discussed under the label of addiction. Although scholars debate the exact diagnostic status of social media addiction, there is broad agreement that compulsive and uncontrolled use can damage sleep, concentration, academic performance, social relationships, and psychological well-being. The WHO Regional Office for Europe (2024) reported that problematic social media use among adolescents in the studied region increased from 7% in 2018 to 11% in 2022, calling for age-appropriate, gender-sensitive, and culturally adapted interventions. This evidence is not specific to Algeria, but it highlights a global pattern relevant to connected societies.

The most important critical point is that the problem should not be reduced to screen time. A young person may spend many hours online for education, work, language learning, family communication, or creative production. Another may spend less time online but experience anxiety, compulsive checking, fear of missing

out, social comparison, or dependence on likes and views. Orben et al. (2024, pp. 407-423) argue that social media effects on adolescent mental health should be studied through mechanisms such as self-presentation, social comparison, social feedback, exclusion, reward processing, and developmental vulnerability. This perspective avoids simplistic claims that social media is always harmful or always harmless.

Algerian studies provide important local indications. Ben Haddou and Saadi (2025) studied the relationship between social media addiction and quality of life among students at the University of Ain Temouchent. Nait Sidi Ahmed and Mellouj (2025) examined TikTok addiction and mental health among university students, highlighting issues such as stress, concentration, sleep disturbance, and isolation. Together, these studies support the argument that problematic platform use should be addressed through digital well-being, self-regulation, and critical awareness rather than through moral blame alone.

The educational response should not simply be "use less." It should teach young people how platforms are designed to capture attention. Infinite scroll, notifications, streaks, recommendation loops, autoplay, personalization, and social rewards are not accidental features. They are part of an attention economy in which user time, data, and emotional engagement become monetizable resources. Media and communication literacy must therefore include a political economy of platforms. Young people should understand that if a platform is free, their attention and data may be part of the business model.

A practical literacy program for digital well-being should include self-observation diaries, notification audits, sleep and attention monitoring, reflection on emotional triggers, and discussion of platform design. Students could analyze their own feed for one week: What type of content appears repeatedly? What emotions does it trigger? What time of day leads to the longest use? Which apps are used

intentionally, and which are used automatically? Such exercises transform addiction discourse from moral blame into self-knowledge and structural awareness.

5.3 Online Hate Speech and Counter-Speech

Hate speech is not simply offensive language. It is communication that attacks, dehumanizes, humiliates, or incites hostility against persons or groups on the basis of identity. The United Nations Strategy and Plan of Action on Hate Speech defines hate speech broadly as communication that attacks or uses pejorative or discriminatory language with reference to a person or group based on identity factors, while also emphasizing the need to protect freedom of expression (United Nations, 2019). This balance is essential. A democratic society must allow criticism, disagreement, satire, and debate. But it cannot normalize language that turns people into targets of hatred or violence.

In Algeria, Berrik and Hidoussi's study of hate speech on social media and its effects on Algerian youth is especially relevant. The authors argue that social networking sites have, in some contexts, shifted from being spaces of open freedom to containers for violent and hateful discourses that threaten social, cultural, ethical, and intellectual life, especially among youth (Berrik & Hidoussi, 2022, pp. 232-248). Other Algerian research has examined hate speech in relation to Facebook, university elites, religious reference, and legal frameworks. Such studies show that hate speech is not a foreign or abstract concept; it has concrete forms in Algerian online life.

Media and communication literacy can contribute to reducing hate speech in three ways. First, it teaches recognition. Users learn to distinguish between legitimate criticism and dehumanization, between disagreement and incitement, and between humor and humiliation. Second, it teaches response. Young people should know how to report dangerous content, support victims, avoid amplifying hateful messages, and practice counter-speech. Third, it teaches prevention. Ethical

production requires awareness of stereotypes, privacy, group dignity, and the consequences of viral humiliation.

International research suggests that educational programs can have measurable effects. Wachs, Wright, and Gámez-Guadix's (2024) work on the HateLess prevention program found that a structured intervention can reduce adolescents' involvement in online hate speech and strengthen their ability to counter it. The program's emphasis on empathy, self-efficacy, and active response is relevant for Algerian educators because it shows that hate speech prevention should not rely only on punishment. Legal frameworks are important, but they cannot replace ethical and communicative education.

A critical warning is necessary. Anti-hate-speech education must not become a tool for suppressing legitimate criticism or political disagreement. UNESCO's guidelines for the governance of digital platforms emphasize safeguarding freedom of expression and access to information while addressing harmful content such as hate speech and disinformation (UNESCO, 2023). In Algeria and the wider Arab world, this distinction is vital. Media literacy should help young people defend both dignity and freedom, not sacrifice one for the other.

5.4 Echo Chambers and Algorithmic Awareness

Echo chambers refer to environments in which users are repeatedly exposed to similar views, sources, and identities, while alternative perspectives are filtered out, ignored, or demonized. Filter bubbles refer more specifically to personalization processes through which algorithms select information based on previous behavior. These concepts are often used together, but they are not identical. Echo chambers involve social networks and group dynamics; filter bubbles involve algorithmic selection. In practice, both may reinforce each other.

Cinelli et al. (2021) analyzed more than 100 million pieces of content across several platforms and found that platform architecture influences the formation of echo chambers and patterns of information spreading. Their study is important

because it shows that echo chambers are not only psychological phenomena; they are also shaped by platform design. Earlier Facebook-based research also showed that algorithmic ranking and social ties can shape exposure to ideologically diverse news and opinion, which makes Bakshy et al. (2015, pp. 1130-1132) useful background for understanding filter bubbles and selective exposure.

However, the echo-chamber debate should be approached carefully. Not all users are trapped in closed ideological bubbles, and not all exposure to similar content is harmful. Sometimes users join communities for support, identity, learning, or minority expression. For marginalized groups, online communities may provide recognition and safety. The problem arises when homogeneity becomes epistemic closure: when the group becomes the only credible source, disagreement is interpreted as hostility, and repeated exposure is confused with truth.

For Algerian youth, echo chambers may develop around political distrust, migration dreams, religious debates, gender norms, regional identities, football rivalries, or cultural conflicts. A student may believe that "everyone" thinks a certain way because the feed repeatedly shows the same opinion. In reality, the feed is a personalized environment shaped by previous clicks, shares, friends, pages, and algorithmic predictions. Media and communication literacy must therefore include algorithmic awareness: the understanding that the feed is not the world.

Practical pedagogy can make this visible. Students can compare search results, YouTube recommendations, or TikTok feeds across different accounts. They can observe how quickly a platform recommends similar content after a few interactions. They can discuss why controversial or emotional content often receives more visibility. These activities help young people understand that platforms do not merely show reality; they organize visibility. Once users grasp this, they can diversify sources, follow credible disagreement, and resist the illusion that virality equals truth.

6. From Reception to Production: Literacy Practices

6.1 Improving the Reception of Online Content

Reception in the digital environment is often fast, fragmented, emotional, and distracted. Users scroll through headlines, images, reactions, and comments without necessarily reading full texts or verifying context. This creates ideal conditions for misinformation and emotional manipulation. Improving reception therefore requires the education of attention.

One of the most useful habits is critical slowing down. Before reacting, sharing, or commenting, users should pause. This pause is not merely psychological; it is civic. It creates space for judgment. The user can ask: What is the source? What is the evidence? What emotion does the content try to provoke? What information is missing? Does the image belong to the event? Is the claim confirmed elsewhere? Who benefits from my sharing this?

Pennycook and Rand's research on accuracy prompts supports this approach by showing that shifting attention toward accuracy can improve sharing quality (Pennycook & Rand, 2022). Such prompts can be transformed into classroom practices, public campaigns, and platform design. A message such as "Read before sharing" can be useful, but only if it is embedded in broader training.

Reception also requires source hierarchy. Not all sources are equal. A primary document, an official statistical report, a peer-reviewed article, a professional news investigation, an expert interview, and an anonymous page do not have the same evidentiary value. Media literacy should teach young people how to build justified confidence in sources. Again, the goal is not distrust of everything, but trust with reasons.

Another important skill is recognizing emotional manipulation. Content that begins with phrases such as "They do not want you to know," "Share before it is deleted," or "Everyone is lying" often uses urgency to bypass judgment. Young people should learn the rhetoric of manipulation: exaggeration, false authority, moral panic, conspiracy framing, selective evidence, and decontextualized images.

Reception must also include intercultural and dialogical competence. In a multilingual society like Algeria, translation, dialect, irony, and cultural references can affect interpretation. A message may be misunderstood across linguistic or regional communities. Media and communication literacy should therefore teach interpretation as a social process, not merely individual decoding.

6.2 Improving the Production of Online Content

Most media literacy programs focus on reception: how to read, interpret, and evaluate messages. This remains necessary, but it is no longer enough. Young people are not only audiences; they are communicators. A comment can harm reputations. A shared rumor can cause panic. A video can humiliate a person. A meme can normalize racism or sexism. A livestream can spread unverified claims. Therefore, improving the production of content is as important as improving reception.

Ethical production begins with verification. Before publishing or sharing, the user should ask whether the information is sourced, whether images are authentic, whether names and identities should be protected, and whether the content may cause harm. This is especially important in crises, accidents, protests, health scares, school conflicts, and family disputes. Digital speed does not remove moral responsibility.

Production also requires awareness of audience. Online content travels beyond the intended circle. A joke in a closed group may be captured, reposted, and interpreted differently. A local rumor may become a national scandal. A personal conflict may become public humiliation. Young Algerians need to understand the collapse of context in digital communication: the same message can reach family members, employers, teachers, strangers, activists, and hostile audiences.

Another requirement is the distinction between opinion and information. A user has the right to express an opinion, but not to present unverified claims as facts. This distinction is central to democratic communication. Without it, public debate

becomes a competition of emotional assertions. Ethical production also requires respect for privacy and dignity. Sharing images of victims, children, women, students, patients, or private citizens without consent can be harmful even when the intention is curiosity or sympathy.

Finally, production requires awareness of platform incentives. Content creators may be tempted to use exaggeration, humiliation, fear, or hate because such content attracts attention. This is where media and communication literacy becomes counter-cultural. It teaches young people that visibility is not the same as value, and that engagement is not the same as truth. In Algeria, schools and universities could integrate production-based assignments such as verified short videos, fact-checking posts, digital well-being podcasts, and counter-speech projects against hate.

7. A Five-Dimensional Model for Algeria

Based on the preceding analysis, a practical Algerian model for media and communication literacy can be organized around five connected dimensions. The model is not presented as a final empirical instrument; rather, it is a conceptual framework that can guide curricula, training modules, youth campaigns, and future evaluation.

First, self-regulation and digital well-being address problematic use, compulsive checking, sleep disturbance, social comparison, and emotional dependence on platforms. This dimension teaches young people to monitor their use, identify triggers, manage notifications, create device-free periods, and distinguish intentional use from automatic use. The focus should be on autonomy, not shame.

Second, verification and epistemic responsibility teach fact-checking, source evaluation, reverse image search, headline analysis, triangulation, and distinction between fact, opinion, satire, rumor, and propaganda. This dimension should be integrated into language, civic education, journalism, religious education, and university methodology courses.

Third, algorithmic awareness explains recommendation systems, personalization, data collection, advertising models, and engagement incentives. Students should learn that platforms rank content according to predicted engagement, not necessarily according to truth or public interest. They should practice diversifying feeds and seeking credible disagreement.

Fourth, ethical production and participation train young people to produce content responsibly. This dimension covers privacy, consent, copyright, dignity, representation, emotional harm, and verification before publication. It also encourages creative alternatives: educational videos, local journalism, civic campaigns, podcasts, and verified community information.

Fifth, counter-speech and digital citizenship prepare young people to respond to hate speech, bullying, and misinformation without reproducing harm. This includes reporting, supporting victims, correcting respectfully, refusing to amplify harmful content, and producing inclusive narratives. It connects media literacy to citizenship and social cohesion.

The success of this model requires teacher training, curriculum integration, youth participation, and institutional coordination. Schools cannot do everything alone. Families must discuss digital habits without only policing them. Universities should create media literacy labs. Journalists should cooperate with educators. Civil society should design local campaigns. Regulators should protect rights while requiring platform accountability. Platforms should provide transparency and safer design.

8. Limits, Implementation Conditions, and Future Research

Although this article strongly supports media and communication literacy, it is important to avoid overestimating it. Education alone cannot solve problems created by platform business models, political manipulation, social inequality, unemployment, weak public trust, or inadequate regulation. If platforms profit from outrage, if public institutions communicate poorly, if professional journalism is

economically fragile, and if youth lack cultural and recreational alternatives, media literacy will face structural limits.

First, media literacy should not individualize responsibility excessively. It is unfair to tell users to resist addictive design while platforms deliberately maximize attention. Individual self-regulation is necessary, but platform accountability is also necessary. Transparency in recommendation systems, child protection, privacy safeguards, limits on manipulative design, and accessible reporting mechanisms are part of the solution.

Second, media literacy should not become a substitute for quality journalism. If credible local media are weak, slow, inaccessible, or mistrusted, misinformation will find fertile ground. Algerian media institutions need training, verification desks, digital journalism skills, and stronger public trust. Mahdaoui and Boudraa's study on Algerian journalists' role in investigating fake news through Facebook suggests that journalists play a relative role but face constraints such as lack of specialized training and insufficient technological infrastructure (Mahdaoui & Boudraa, 2024, pp. 131-163).

Third, media literacy should not become censorship. The fight against fake news and hate speech can be misused if definitions are vague or enforcement is selective. A rights-based approach is essential. Young people should learn both how to reject harmful speech and how to defend legitimate expression (UNESCO, 2023; United Nations, 2019).

Fourth, media literacy should be empirically evaluated. Many programs sound attractive but are never tested. Algerian schools and universities should measure whether students improve after interventions: Can they identify fake images more accurately? Do they reduce impulsive sharing? Do they recognize hate speech? Do they diversify sources? Do they manage platform use better? Without evaluation, media literacy remains a slogan.

Finally, media literacy must avoid elitism. Programs should not only target university students in major cities. They should reach secondary schools, vocational training centers, rural youth, youth clubs, parents, teachers, and civil society organizations. Algeria's linguistic diversity also requires materials in Arabic, Tamazight, French, and Algerian dialect where appropriate.

Future empirical research should test the proposed five-dimensional model with Algerian youth through pre-test/post-test designs, classroom interventions, focus groups, or mixed-method studies. Such research could examine whether specific literacy activities improve verification behavior, reduce impulsive sharing, strengthen counter-speech, increase algorithmic awareness, or support healthier platform use. In this way, the present conceptual article can become a basis for measurable educational interventions.

9. Conclusion

Media and communication literacy is one of the most important strategies for improving the production and reception of online content in contemporary societies. In Algeria, where internet and social media use have become deeply embedded in youth culture, this literacy is not a luxury but a necessity. It is necessary for protecting mental well-being, resisting fake news, escaping echo chambers, and building a healthier digital public sphere.

The article has argued that the challenges of problematic social media use, misinformation, hate speech, and echo chambers are interconnected. Excessive use increases exposure. Emotional content encourages sharing. Echo chambers reinforce belief. Fake news exploits distrust. Therefore, fragmented solutions are insufficient. Media and communication literacy must be comprehensive: cognitive, technical, ethical, social, and structural.

The Algerian studies reviewed in this article show that researchers are increasingly aware of the risks of fake news, social media addiction, and value transformation among youth. International research adds evidence about the

effectiveness of media literacy interventions, the mechanisms linking social media to adolescent vulnerability, and the algorithmic conditions of echo chambers. Yet a critical approach is required. Media literacy should not become moral panic, censorship, or superficial advice. It must be practical, rights-based, locally adapted, empirically evaluated, and linked to broader institutional reform.

The central challenge is not to remove young people from the internet, but to help them understand and reshape their participation in it. A young person who can verify before sharing, pause before reacting, recognize hate before amplifying it, understand algorithms before trusting the feed, and produce ethical content before chasing visibility is not merely a safer user. He or she is a digital citizen. In this sense, media and communication literacy is not only an educational project. It is a democratic, cultural, and social project for living responsibly in the age of platforms.

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