

<p><b>1. Information Science Research</b></p> <p>1.1 Concepts, definitions, theories, methodologies &amp; applications</p> <p>1.2 Properties, needs, quality, and value of information</p> <p>1.3 Statistics, measurement (Bibliometrics, citation analysis, scientometrics, informetrics)</p> <p>1.4 Information retrieval research (Searching techniques (Boolean, fuzzy, natural language), the search process, precision/relevance, ranking/recall, searching models, query formulation, inverted files, updating, database structures)</p> <p>1.5 User behaviour &amp; uses of information systems (Searcher tactics, information overload, user surveys, usability studies)</p> <p>1.6 Human-computer interface (Human factors, ergonomics, design issues)</p> <p>1.7 Communication (Editing, writing, linguistics, <i>Internet authoring &amp; design principles</i>)</p> <p>1.8 Operations research/mathematics (Modeling, Boolean logic, coding, systems analysis, algorithms, compression)</p> <p>1.9 History of information science, biographies</p> <p>1.10 Information genres</p> <p><b>2. Knowledge Organization</b></p> <p>2.1 Thesauri, authority lists (Taxonomies, ontologies, semantic networks, nomenclatures, terminologies, vocabularies)</p> <p>2.2 Cataloging &amp; classification (Tagging, metatags, Dublin Core, DOIs, OPACs, MARC, AACR2, topic maps, cataloging processes &amp; theories)</p> <p>2.3 Abstracting, indexing, reviewing Automatic indexing &amp; abstracting</p> <p>2.4 Standards &amp; protocols (NISO, Z39.5, XML, SGML, HTML, Open Archives Initiative (OAI), Encoded Archival Description (EAD), Open URL, portable document format (PDF))</p>	<p><b>3. The Information Professions</b></p> <p>3.1 Information professionals (Intermediaries, searchers, reference librarians, information brokers, translators, educators, librarians and librarianship, mentoring, career outlook, future of the profession professional ethics, skills &amp; competencies)</p> <p>3.2 Organizations &amp; societies</p> <p><b>4. Societal Issues</b></p> <p>4.1 Information ethics, plagiarism, credibility</p> <p>4.2 Information literacy, lifelong learning</p> <p>4.3 The Information Society (Universal access &amp; accessibility, technological &amp; socioeconomic impacts of information, technology forecasts, information flows, futures scenarios, preservation)</p> <p><b>5. The Information Industry</b></p> <p>5.1 Information &amp; knowledge management (Knowledge transfer in organizations, business strategies)</p> <p>5.2 Markets &amp; players (Vendor profiles &amp; interviews, trends)</p> <p>5.3 Economics &amp; pricing (Business models, value chain)</p> <p>5.4 Marketing, e-commerce</p> <p><b>6. Publishing &amp; Distribution</b></p> <p>6.1 Print</p> <p>6.2 Electronic (E-journals, e-books)</p> <p>6.3 Secondary publishing (Abstracting &amp; indexing services, directories)</p> <p>6.4 Scholarly communication (Peer review process, future of journals, dissertations, grey literature)</p>	<p><b>7. Information Technologies</b></p> <p>7.1 Internet (World Wide Web, Invisible Web, Deep Web, search engines, browsers, hypermedia, Listservs, bulletin boards, portals, gateways, directories, pathfinders)</p> <p>7.2 Intranets (private), Web conferencing</p> <p>7.3 Software (Programming languages, operating systems, platforms)</p> <p>7.4 Hardware</p> <p>7.5 Multimedia</p> <p>7.6 Document management (Imaging, scanning, text retrieval, digitization, records management, bookmarking, hypertext systems, preservation technologies, digitization, linking &amp; electronic cross referencing, storage, digital rights management)</p> <p>7.7 AI, expert systems, intelligent agents, (Cybernetics, visualization and mapping, data mining, pattern and character recognition, Search agents and robots)</p> <p>7.8 Telecommunications (Networks, wireless &amp; satellite information delivery, Palm Pilots &amp; other PDAs, LANs &amp; WANs)</p> <p>7.9 Security, access control, authentication, encryption (Digital watermarking)</p> <p>7.10 Other</p> <p><b>8. Electronic Information Systems &amp; Services</b></p> <p>8.1 Information searching &amp; retrieval systems &amp; services (Bibliographic, numeric, &amp; image databases; descriptions of online services)</p> <p>8.2 Customized information systems, alerting, current awareness</p> <p>8.3 Document delivery systems &amp; services (Interlibrary loan, resource sharing)</p> <p>8.4 Geographic information systems</p>
---	--	--

<p><b>9. Subject-Specific Sources and Applications</b></p> <p>9.1 Physical sciences (Chemistry, physics, engineering, earth sciences, computer science, energy, mathematics)</p> <p>9.2 Life sciences (Medicine, biosciences, agriculture, environment)</p> <p>9.3 Social sciences, humanities, history, linguistics</p> <p>9.4 Business (Management, economics, companies)</p> <p>9.5 Law, political science, government Patents &amp; trademarks, intellectual property, case law)</p> <p>9.6 News</p> <p>9.7 Education, library &amp; information science, ready reference</p> <p>9.8 Other/multidisciplinary (Biography &amp; genealogy databases, encyclopedias, databases of theses &amp; dissertations)</p> <p>9.9 Countries &amp; geographic areas</p>	<p><b>10. Libraries &amp; Library Services</b></p> <p>10.1 Library descriptions &amp; types: Special, government, academic, &amp; public libraries, archives, museums, State &amp; National libraries, depository libraries</p> <p>10.2 Library services</p> <p>10.3 Library automation &amp; operations</p> <p>10.4 Library consortia &amp; networks, coalitions, cooperatives</p> <p>10.5 Digital &amp; virtual libraries, hybrid libraries</p> <p>10.6 Education &amp; training (Distance learning, continuing education, bibliographic instruction library schools, courses &amp; curricula)</p> <p>10.7 Library Management, Planning &amp; Personnel</p> <p>10.8 Library facilities</p>	<p><b>11. Government &amp; Legal Information &amp; Issues</b></p> <p>11.1 Intellectual property protection (Copyright issues &amp; implications, fair use, trademarks, patent law)</p> <p>11.2 Legislation, laws, &amp; regulations (except copyright)</p> <p>11.3 Contracts &amp; licensing</p> <p>11.4 Liability issues (Filtering, censorship, privacy)</p> <p>11.5 Sources of public information</p> <p>11.6 Information policies &amp; studies (Security, encryption, privacy, freedom of information, censoring, national &amp; other information policies)</p> <p>11.7 Systems &amp; infrastructure (Technology transfer)</p>
--	--	--

[15] (Donald Hawkins)