

EDITORIAL

Academic communities

From the sixteenth century, scientific journals have had as an objective to be a vehicle and space of discussion among academic communities. Taking into account the history of Science, the academic communities began to be formed from the sixteenth century, with scientific humanism. In this century, this movement promoted the importance of scientific publications; many unknown writings were edited, there was a progress in the unification of scientific terminology and because of printing was possible to give an expository order to the scientific production. Therefore, it began the necessity to spread personal experiences, for example the work of Paracelsus, Vesalius and Serveto had as its object a critical analysis between the read and seen so far, breaking in this way with the ancient science and giving a new path to the modern science. Later, the Renaissance brought with it the importance of knowledge in three ways: First, the wise solitary; Second, the academy and finally, the personal lesson. The academy comes from the hand of the universities, and it is in Italy where it is introduced "The Academy" defined towards an institution of the knowledge of the truth through discussion between equal individuals. The first academies of history were: di Lincei Academy, founded in 1603 by Prince Federico Cesi in Rome; Cimento Academy in 1657, by Cardinal Leopoldo de' Medici; the Royal Society of London founded by Richelieu in 1635; The Academy of Sciences in Paris in 1795; the Ecole Poly-technique in the case of engineering. From the hand of the academies and scientific societies, arise the scientific press, which was consolidated into the Baroque, being Italy the initiator nation. Scientific publications initially began as personal letters between scientists to become finally as books and periodicals publications. From there and in the following centuries, the exchange between research groups changed from private letters to be anything more universal. The nineteenth century is the one in which many of the current specialized journals were founded, and the explosion continued to the XX and XXI. With this fact, the vast majority of scientists and engineers submitted to the respective communities of specialists their contributions to be validated by them.

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