

## THE UNIT OPERATIONS, PAST, PRESENT AND FUTURE

ANTONIO VALIENTE BARDERAS

*Research Scholar, Faculty of Quimica, UNAM, Mexico*

### ABSTRACT

*The creation of the unit operations is one of the paradigms which led to the development of Chemical Engineering in the last century, originating courses, books and numerous articles that prompted the study and creation of equipment and appliances. Then at the sixties appeared the new paradigm of the Transport Phenomena, which addressed the phenomena of momentum, heat and mass transfer from a mathematical and formal point of view. In the seventies the industries began to feel the influence of computers and therefore appeared the courses of simulation and optimization. Since that time it began to run out the books on Unit Operations and on the design of apparatus and equipment. All of the above, in addition to the decrease in the number of semesters of study has impacted on the unit operations courses and has made them disappear little by little in the curricula.*

**KEYWORDS:** *Chemical Engineering, Education, Unit Operations*

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