

## Exposé court

### 71 **On $q$ -generalized $(r, s)$ -Stirling transforms**

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By using  $q$ -numbers and  $r$ -shift, the  $(q, r)$ -Stirling numbers with level  $s$  are studied. One of the main aims is to give several identities in their transforms, which are analogues of the famous binomial transforms. We also give some applications to the values of a certain kind of  $q$ -multiple zeta functions.