

# GENEALOGY DATABASE ENTRY

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Kekulé, Friedrich August

1829 - 1896

DEGREE: PhD

DATE: 1852

PLACE: Giessen

TEACHER/RESEARCH ADVISOR: Will

co-founded structural organic chemistry; established structure of benzene; introduced concept of resonance, tetravalency of carbon, and existence of double and triple bonds; first to recognize that in hydrocarbons the carbon atoms are connected to each other; derived the  $2n+2$  rule for the stoichiometry of alkanes; studied organic acids, azo and diazo compounds, electrolysis of dibasic acids, and carboxylation of aryl bromides.

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4. *Great Chemists*; Farber, E., Ed.; Interscience: 1961; p697-702.
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7. *Chem. Ber.* **1896**, 29, 1971-1976.
8. *Chem. Ber.* **1903**, 36, 4614-4640.
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