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be useful for all levels of biomass gasification. The handbook is meant to be a practical guide to gasifier systems, and a minimum amount of space is devoted to questions of more theoretical interest.

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explains how biomass
can be converted to a
gas in a downdraft
gasifier and gives
details for designing,
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manufacturing
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that will be of use to all those who work with gasifiers at whatever scale. The combustion of biomass in wood stoves and industrial boilers has increased dramatically in some areas, and forest, agricultural, and paper wastes are being used extensively for fuels

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However, more extensive biomass use still waits for the application of improved conversion methods, such as gasification, that match biomass energy to processes currently requiring liquid and gaseous fuels. Examples of such processes

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include glass, lime, and brick

manufacture; power

generation; and trans

portation.

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